

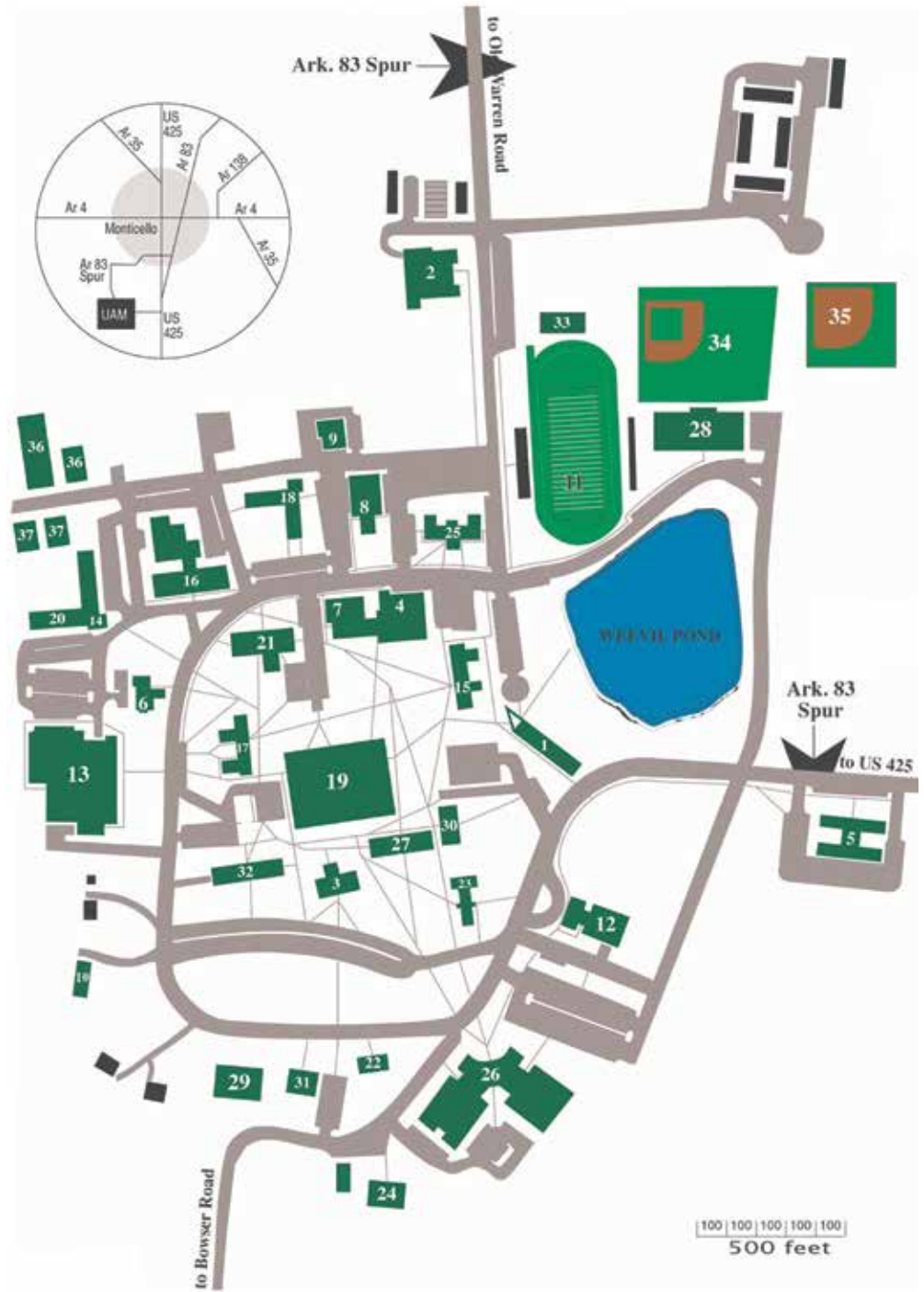


# UJAM

The University of Arkansas  
**MONTICELLO**

2007-09 CATALOG / [www.uamont.edu](http://www.uamont.edu)

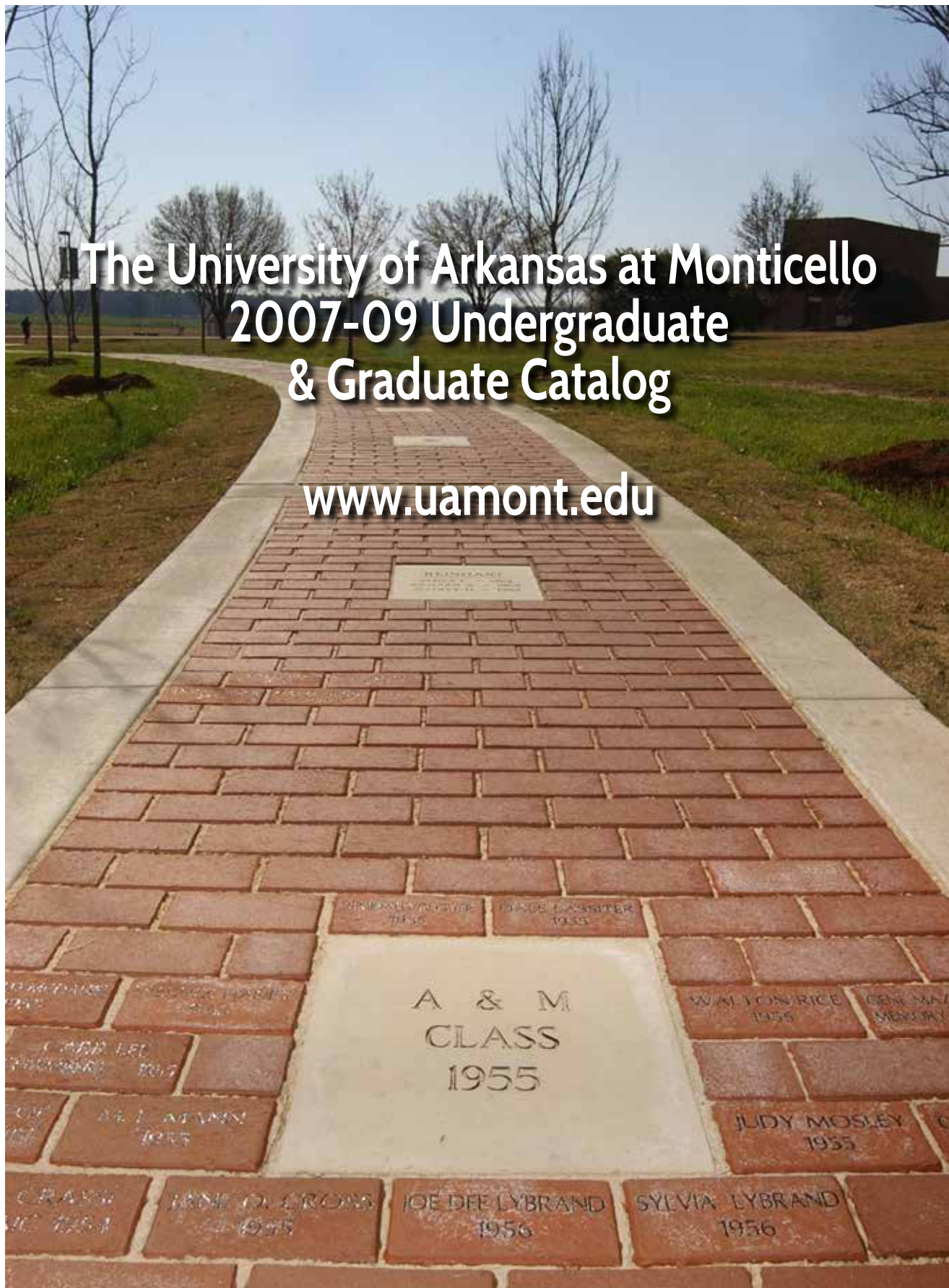
# Campus Map



- |                             |  |                                |                              |
|-----------------------------|--|--------------------------------|------------------------------|
| 1 Administration Building   | 11 Cotton Boll Stadium                 | 20 Maxwell Hall                | 30 Wells Hall                |
| 2 Agriculture & SEREC       | 12 Fine Arts Center                    | 21 Memorial Classroom Building | 31 Wesley Foundation Center  |
| 3 Babin Business Center     | 13 Gibson University Center            | 22 Missionary Baptist Center   | 32 Willard Hall              |
| 4 Band/Choir Rehearsal Hall | 14 Graphic Design Center               | 23 Music Building              | 33 Athletic Facility         |
| 5 Bankston Hall             | 15 Harris Hall                         | 24 Natural History Museum      | 34 Weevil Field (Baseball)   |
| 6 Baptist College Ministry  | 16 Chamberlin Forest Resources Complex | 25 Royer Hall                  | 35 Blossoms Field (Softball) |
| 7 Book Store                | 17 Horsfall Hall                       | 26 Science Center              | 36 Recycling Center          |
| 8 Central Heating Plant     | 18 Jeter Hall                          | 27 Sorrells Hall               | 37 University Apartments     |
| 9 Central Warehouse         | 19 Taylor Library                      | 28 Steelman Fieldhouse         |                              |
| 10 Chancellor's Home        |  | 29 Tennis Courts               |                              |

# The University of Arkansas at Monticello 2007-09 Undergraduate & Graduate Catalog

[www.uamont.edu](http://www.uamont.edu)



## For More Information

The University of Arkansas at Monticello has three campuses: one in Monticello, Arkansas; the College of Technology in Crossett, Arkansas, and the College of Technology in McGehee, Arkansas.

Visitors are welcome at any time. Office hours are from 8:00 a.m. to 4:30 p.m. Monday through Friday. For more information or to arrange a campus tour, contact one of the numbers below.

### Academic policies and programs, academic advising and assistance:

..... Office of Academic Affairs, Administration Building 108, (870) 460-1033, Monticello  
 ..... Office of Student Services, (866) 323-3384 or (870) 364-6414, Crossett  
 ..... Office of Student Services, (870) 222-5360, McGehee

### Financial assistance, loans, work-study:

..... Office of Financial Aid, Harris Hall, (800) 226-2643 or (870) 460-1050, Monticello  
 ..... Office of Student Services, (866) 323-3384 or (870) 364-6414, Crossett  
 ..... Office of Student Services, (870) 222-5360, McGehee

### General information, student admission, publications for prospective students, freshman student registration and orientation, transfer, advanced placement, and campus tours:

..... Office of Admissions, Harris Hall, (800) 844-1826 or (870) 460-1026, Monticello  
 ..... College of Technology at McGehee: (800) 747-5360 or (870) 222-5360  
 ..... College of Technology at Crossett: (866) 323-3384 or (870) 364-6414

### Graduate Programs:

..... Office of Academic Affairs, Administration Building 108, (870) 460-1033, Monticello

### Registration, transcripts, class schedules:

..... Office of the Registrar, Harris Hall, (870) 460-1034, Monticello  
 ..... Office of Student Services, (866) 323-3384 or (870) 364-6414, Crossett  
 ..... Office of Student Services, (870) 222-5360, McGehee

### Residence halls and on-campus housing:

..... The Office of Residence Life, Harris Hall, (870) 460-1045, Monticello

### Scholarships:

..... Office of Admissions, Harris Hall, (800) 844-1826 or (870) 460-1026, Monticello

### Tuition, fees, expenses, and payment plans:

..... Cashier's Office, Harris Hall, (870) 460-1043, Monticello  
 ..... Cashier's Office, (870) 222-5360, McGehee  
 ..... Cashier's Office, (866) 323-3384 or 870-364-6414, Crossett

The University of Arkansas at Monticello is committed to providing educational opportunities to all qualified students and employment opportunities to all persons, regardless of their economic or social status, and will not discriminate on the basis of race, color, religion, creed, gender, ethnic or national origin, disability, age or any legally protected class. The Office of Special Student Services has been designated to coordinate efforts to comply with all laws and regulations applicable to qualified disabled individuals as required by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Inquiries concerning the applications of all federal laws and regulations regarding discrimination should be directed to the Human Relations Officer, Office of Finance and Administration, Babin Business Center, (870) 460-1021.

The University releases information on the quality of its teacher preparation program according to the requirements of Section 207 of Title II of the Higher Education Act as amended in 1998. Official Title II data is published in appropriate University publications. Inquiries concerning Title II data should be directed to the Dean, School of Education, (870) 460-1062.

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# University Calendar

(Note: UAM's distance education classes, regardless of their location, follow the UAM calendar below.)

## Summer I 2007

May 21 (Mon) - Application deadline for regular registration.  
 May 25 (Fri) - Self registration for Summer I.  
 May 28 (Mon) - Memorial Day Holiday. Offices/classes closed.  
 May 29 (Tues) - Registration for undergraduate classes and graduate forestry classes. First day of classes.  
 May 30 (Wed) - Last day to register or add classes.  
 June 4 (Mon) - Registration and first day of 3-week graduate education classes.  
 June 19 (Tues) - Last day to drop a 3-week graduate education class. Grade will be W.  
 June 21 (Thurs) - Commencement for College of Technology-Crossett.  
 June 22 (Fri) - Last day of 3-week graduate education classes. Final exams for those classes.  
 June 22 (Fri) - Last day to drop an undergraduate class. Grade will be W.  
 June 22 (Fri) - Commencement for College of Technology-McGehee.  
 June 27 (Wed) - Last day of undergraduate classes. Final exams.  
 June 27 (Wed) - Registration for Summer II.

## Summer II 2007

June 25 (Mon) - Application deadline for regular registration.  
 July 3 (Tues) - Self registration for Summer II.  
 July 4 (Wed) - Independence Day Holiday. Offices/classes closed.  
 July 5 (Thurs) - Registration for undergraduate and graduate classes. First day of classes.  
 July 6 (Fri) - Last day to register or add classes.  
 July 20 (Fri) - Last day to drop a 3-week graduate class. Grade will be W.  
 July 25 (Wed) - Last day of 3-week graduate classes. Final exams for graduate classes.  
 July 31 (Tues) - Last day to drop an undergraduate class. Grade will be W.  
 August 3 (Fri) - Last day of undergraduate classes. Final exams.  
 August 8 (Wed) - Summer conferral of degrees.

## Fall 2007

August 13 (Mon) - Application deadline for regular registration. Tuition and fees due for preregistered students. Schedule changes for preregistered students.  
 August 14-17 (Tues-Fri) - Professional Development for faculty and staff.  
 August 20 (Mon) - Schedule changes. New student orientation. Night registration.  
 August 21 (Tues) - Open registration.  
 August 22 (Wed) - First day of classes.  
 August 28 (Tues) - Last day to register or add classes.  
 September 3 (Mon) - Labor Day Holiday. Offices/classes closed.  
 September 22 (Sat) - Parent/Family Appreciation Day.  
 October 5 (Fri) - Deadline to apply for May 2008 graduation.  
 October 13 (Sat) - Homecoming.  
 November 5 (Mon) - Preregistration for Spring 2008 begins.  
 November 7 (Wed) - Last day to drop with W.  
 November 16 (Fri) - Preregistration for Spring 2008 ends.  
 November 21 (Wed) - Classes closed.  
 November 22-23 (Thurs-Fri) - Thanksgiving Holiday. Offices/classes closed.  
 December 4 (Tues) - Last day to withdraw from class.  
 December 7 (Fri) - Last day of classes.  
 December 10-14 (Mon-Fri) - Final exam period.  
 December 19 (Wed) - Fall conferral of degrees.

## Spring 2008

January 2 (Wed) - Application deadline for regular registration. Tuition and fees due for preregistered students.  
 January 7 (Mon) - Schedule changes. New student orientation. Night registration.

January 8 (Tues) - Open registration.  
 January 9 (Wed) - First day of classes.  
 January 15 (Tues) - Last day to register or add classes.  
 January 21 (Mon) - Martin Luther King Holiday. Offices/classes closed.  
 February 22 (Fri) - Deadline to apply for August and December graduation.  
 March 17-21 (Mon-Fri) - Spring Break.  
 April 2 (Wed) - Last day to drop with W.  
 April 7 (Mon) - Preregistration for Summer and Fall 2008 begins.  
 April 18 (Fri) - Preregistration for Summer and Fall 2008 ends.  
 April 24 (Thurs) - Last day to withdraw from class.  
 April 29 (Tues) - Last day of classes.  
 April 30 - May 6 (Wed-Tues) - Final exam period.  
 May 9 (Fri) - Commencement.

## Summer I 2008

May 19 (Mon) - Application deadline for regular registration.  
 May 23 (Fri) - Self registration for Summer I.  
 May 26 (Mon) - Memorial Day Holiday. Offices/classes closed.  
 May 27 (Tues) - Registration for undergraduate classes and graduate forestry classes. First day of classes.  
 May 28 (Wed) - Last day to register or add classes.  
 June 2 (Mon) - Registration and first day of 3-week graduate education classes.  
 June 17 (Tues) - Last day to drop a 3-week graduate education class. Grade will be W.  
 June 19 (Thurs) - Commencement for College of Technology-Crossett.  
 June 20 (Fri) - Last day of 3-week graduate education classes. Final exams for those classes.  
 June 20 (Fri) - Last day to drop an undergraduate class. Grade will be W.  
 June 20 (Fri) - Commencement for College of Technology-McGehee.  
 June 25 (Wed) - Last day of undergraduate classes. Final exams.  
 June 25 (Wed) - Registration for Summer II.

## Summer II 2008

June 23 (Mon) - Application deadline for regular registration.  
 June 27 (Fri) - Self registration for Summer II.  
 June 30 (Mon) - Registration for undergraduate and graduate classes. First day of classes.  
 July 1 (Tues) - Last day to register or add classes.  
 July 4 (Fri) - Independence Day Holiday. Offices/classes closed.  
 July 16 (Wed) - Last day to drop a 3-week graduate class. Grade will be W.  
 July 21 (Mon) - Last day of 3-week graduate classes. Final exams for those classes.  
 July 25 (Fri) - Last day to drop an undergraduate class. Grade will be W.  
 July 30 (Wed) - Last day of undergraduate classes. Final exams.  
 August 4 (Mon) - Summer conferral of degrees.

## Fall 2008

August 11 (Mon) - Application deadline for regular registration. Tuition and fees due for preregistered students. Schedule changes for preregistered students.  
 August 12-15 (Tues-Fri) - Professional Development for faculty and staff.  
 August 18 (Mon) - Schedule changes. New student orientation. Night registration.  
 August 19 (Tues) - Open registration.  
 August 20 (Wed) - First day of classes.  
 August 26 (Tues) - Last day to register or add classes.  
 September 1 (Mon) - Labor Day Holiday. Offices/classes closed.  
 September 27 (Sat) - Parent/Family Appreciation Day.  
 October 3 (Fri) - Deadline to apply for May graduation.  
 October 18 (Sat) - Homecoming.  
 November 3 (Mon) - Preregistration for Spring 2009 begins.  
 November 5 (Wed) - Last day to drop with a W.  
 November 14 (Fri) - Preregistration for Spring 2009 ends.

# University Calendar

November 26 (Wed) - Classes closed.  
November 27-28 (Thurs-Fri) - Thanksgiving Holiday. Offices/classes closed.  
December 2 (Tues) - Last day to withdraw from class.  
December 5 (Fri) - Last day of classes.  
December 8-12 (Mon-Fri) - Final exam period.  
December 17 (Wed) - Fall conferral of degrees.

## Spring 2009

January 5 (Mon) - Application deadline for regular registration. Tuition and fees due for preregistered students.  
January 12 (Mon) - Schedule changes. New student orientation. Night registration.  
January 13 (Tues) - Open registration.  
January 14 (Wed) - First day of classes.  
January 19 (Mon) - Martin Luther King Holiday. Offices/classes closed.  
January 21 (Wed) - Last day to register or add classes.  
February 27 (Fri) - Deadline to apply for August and December graduation.  
March 16-20 (Mon-Fri) - Spring Break.  
April 6 (Mon) - Preregistration for Summer and Fall 2009 begins.  
April 8 (Wed) - Last day to drop with a W.  
April 17 (Fri) - Preregistration for Summer and Fall 2009 ends.  
April 30 (Thurs) - Last day to withdraw from class.  
May 5 (Tues) - Last day of classes.  
May 6-12 (Wed-Tues) - Final exam period.  
May 15 (Fri) - Commencement.

## Summer I 2009

May 25 (Mon) - Memorial Day Holiday. Offices/classes closed.  
May 26 (Tues) - Application deadline for regular registration.  
May 29 (Fri) - Self registration for Summer I.  
June 1 (Mon) - Registration for undergraduate classes and graduate forestry classes. First day of classes.  
June 2 (Tues) - Last day to register or add classes.  
June 8 (Mon) - Registration and first day of 3-week graduate education classes.  
June 23 (Tues) - Last day to drop a 3-week graduate education class. Grade will be W.  
June 25 (Thurs) - Last day to drop an undergraduate class. Grade will be W.  
June 25 (Thurs) - Commencement for College of Technology-Crossett.  
June 26 (Fri) - Last day of 3-week graduate education classes. Final exams for those classes.  
June 26 (Fri) - Commencement for College of Technology-McGehee.  
June 30 (Tues) - Last day of undergraduate classes. Final exams.  
June 30 (Tues) - Registration for Summer II.

## Summer II 2009

June 29 (Mon) - Application deadline for regular registration.  
July 2 (Thurs) - Self registration for Summer II.  
July 6 (Mon) - Registration for undergraduate and graduate classes. First day of classes.  
July 7 (Tues) - Last day to register or add classes.  
July 21 (Tues) - Last day to drop a 3-week graduate class. Grade will be W.  
July 24 (Fri) - Last day of 3-week graduate classes. Final exams for those classes.  
July 30 (Thurs) - Last day to drop an undergraduate class. Grade will be W.  
August 4 (Tues) - Last day of undergraduate classes. Final exams.  
August 7 (Fri) - Summer conferral of degrees.

## Fall 2009

August 17 (Mon) - Application deadline for regular registration. Tuition and fees due for preregistered students. Schedule changes for preregistered students.  
August 18-21 (Tues-Fri) - Professional Development for faculty and staff.

August 24 (Mon) - Schedule changes. New student orientation. Night registration.

August 25 (Tues) - Open registration.  
August 26 (Wed) - First day of classes.  
September 1 (Tues) - Last day to register or add classes.  
September 7 (Mon) - Labor Day Holiday. Offices/classes closed.  
September 19 (Sat) - Parent/Family Appreciation Day.  
October 9 (Fri) - Deadline to apply for May graduation.  
October 24 (Sat) - Homecoming  
November 9 (Mon) - Preregistration for Spring 2010 begins.  
November 11 (Wed) - Last day to drop with a W.  
November 20 (Fri) - Preregistration for Spring 2010 ends.  
November 25 (Wed) - Classes closed.  
November 26-27 (Thurs-Fri) - Thanksgiving Holiday. Offices/classes closed.  
December 8 (Tues) - Last day to withdraw from class.  
December 11 (Fri) - Last day of classes.  
December 14-18 (Mon-Fri) - Final exam period.  
December 23 (Wed) - Fall conferral of degrees.

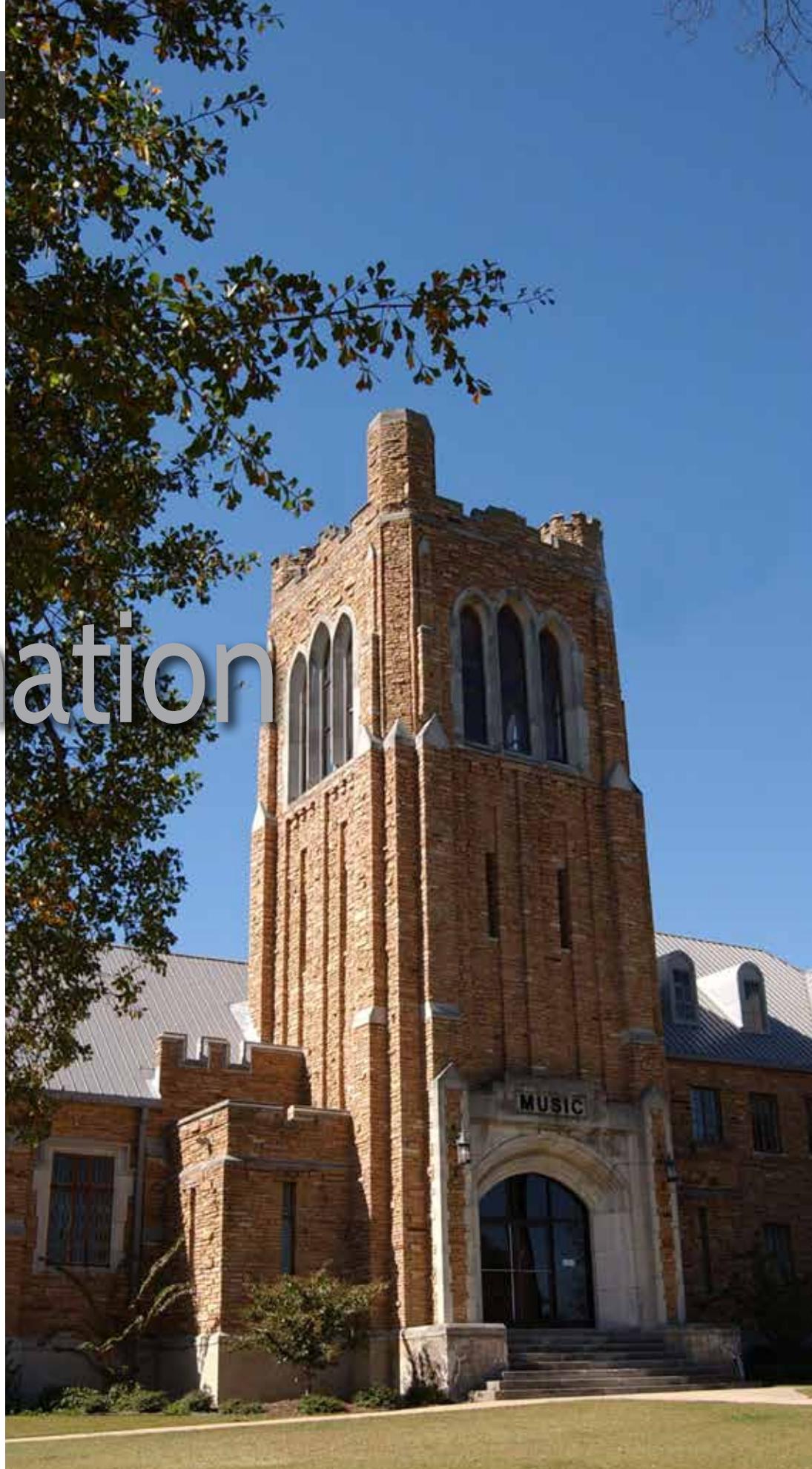
## Spring 2010

January 4 (Mon) - Application deadline for regular registration. Tuition and fees due for preregistered students.  
January 11 (Mon) - Schedule changes. New student orientation. Night registration.  
January 12 (Tues) - Open registration.  
January 13 (Wed) - First day of classes.  
January 18 (Mon) - Martin Luther King Holiday. Offices/classes closed.  
January 20 (Wed) - Last day to register or add classes.  
March 3 (Wed) - Deadline to file for August and December graduation.  
March 15-19 (Mon-Fri) - Spring Break.  
April 5 (Mon) - Preregistration for Summer and Fall 2010 begins.  
April 7 (Wed) - Last day to drop with W.  
April 16 (Fri) - Preregistration for Summer and Fall 2010 ends.  
April 29 (Thurs) - Last day to withdraw from class.  
May 4 (Tues) - Last day of classes.  
May 5 - 11 (Wed-Tues) - Final exam period.  
May 14 (Fri) - Commencement.

The University calendar is subject to change.

# 6

## General Information





## Location

The University of Arkansas at Monticello has three campuses. The Monticello campus is located three miles south of Monticello, Arkansas, adjacent to U. S. Highway 425. Monticello, the county seat of Drew County, is located approximately 100 miles southeast of Little Rock and 85 miles north of Monroe, Louisiana.

The University of Arkansas at Monticello College of Technology-Crossett (UAM-CTC) is located on Highway 52 West, 4.5 miles north of Crossett, Arkansas, the largest city in Ashley County, and 9.5 miles south of Hamburg, the Ashley County seat.

The University of Arkansas at Monticello College of Technology-McGehee (UAM-CTM) is located within the city limits of McGehee, Arkansas, on Arkansas Highway 1. The campus is easily accessible from U.S. Highway 65 and Arkansas Highways 4 and 1.

The University of Arkansas at Monticello is ideally located to serve the state's educational and technical needs and provides an excellent setting for the state's only School of Forest Resources. Included in the University's total acreage are 1,544 acres of forestland used for research, management and instruction and 300 acres devoted to agricultural teaching and research.

## History

The history of the University and the mission statement of the University are enduring and are used by the campus community as the foundation for the daily operation of the University and its strategic plan for the future. The mission statement of the University is used as a benchmark to measure UAM's success.

The University of Arkansas at Monticello was established in 1909 by an act of the General Assembly of the State of Arkansas to serve the educational needs of Southeast Arkansas. Originally called the Fourth District Agricultural School, the University opened its doors September 14, 1910. In 1925, the General Assembly authorized the school's name to be changed to Arkansas Agricultural and Mechanical College. A & M received accreditation as a junior college in 1928 and as a four-year institution in 1940.

Arkansas A & M became part of the University of Arkansas system July 1, 1971 and its mission expanded to serve the needs of the state, region, and nation. On July 1, 2003 the University of Arkansas at Monticello again expanded its mission to include technical education with the merger of the Forest Echoes Technical Institute and the Great Rivers Technical Institute becoming, respectively, the UAM College of Technology-Crossett and the UAM College of Technology-McGehee.

The University of Arkansas System Board of Trustees governs the University of Arkansas at Monticello. The University of Arkansas at Monticello Board of Visitors aids in the continuing development of the University and furnishes counsel, guidance, and recommendations for the University. Its diverse membership, appointed by the Governor of the State of Arkansas, is representative of the Southeast Arkansas region.

## Accreditation

The University of Arkansas at Monticello is accredited by the Higher Learning Commission (a commission of the North Central

Association of Colleges and Schools), the National Council for Accreditation of Teacher Education, the National Association of Schools of Music, the National League for Nursing Accrediting Commission, the Society of American Foresters, and the Council on Social Work Education. The College of Technology-Crossett is accredited by the Council on Occupational Education.

Technical programs have been approved by the Arkansas State Board of Nursing, the National Institute for Automotive Service Excellence, and the Commission on Accreditation of Allied Health Education.

The University offers technical certificates, associate, baccalaureate, and master's degree programs.

Documents concerning accreditation are available for review upon request to the Provost on the Monticello campus; the Vice Chancellor College of Technology-Crossett; or the Vice Chancellor College of Technology-McGehee.

## Mission

The mission the University of Arkansas at Monticello shares with all universities is the commitment to search for truth and understanding through scholastic endeavor. The University seeks to enhance and share knowledge, to preserve and promote the intellectual content of society, and to educate people for critical thought. The University provides learning experiences that enable students to synthesize knowledge, communicate effectively, use knowledge and technology with intelligence and responsibility, and act creatively within their own and other cultures.

The University strives for excellence in all its endeavors. Educational opportunities encompass the liberal arts, basic and applied sciences, selected professions, and vocational/technical preparation. These opportunities are founded in a strong program of general education and are fulfilled through contemporary disciplinary curricula, certification programs, and vocational/technical education or workforce training. The University assures opportunities in higher education for both traditional and non-traditional students and strives to provide an environment that fosters individual achievement and personal development.

The University seeks to fulfill its mission by:

1. Offering quality educational opportunities in the form of master's, baccalaureate, and associate degree preparation, as well as certification in a variety of vocational/technical programs, or workforce training;
2. Offering a well-rounded program of general education designed to broaden and enrich students' awareness of the world around them;
3. Providing contemporary curricula which prepare students for careers in selected fields, for personal development, and for meeting societal needs;
4. Strengthening students' capabilities as thoughtful contributors to society by encouraging them to take personal responsibility and seeking the benefits of life-long learning;
5. Providing support programs which increase the probability of success for those students needing additional academic preparation to meet college standards;
6. Assisting students in developing interpersonal skills need-

ed by responsible and productive members of society;

7. Providing viable programs of public service, continuing education in selected areas, and cooperative programs with other educational institutions;

8. Promoting research programs which strengthen the institution and contribute new information to the existing body of knowledge and the extension of knowledge to serve the public;

9. Providing cultural and aesthetic experiences that will serve to enhance appreciation of the arts;

10. Maintaining regional and national recognition of the institution and its academic and technical programs by continuing to meet the standards of accrediting bodies, available but yet to be achieved; and

11. Preparing students to live and work in a technological and global society.

## Assessment

Assessment for the University of Arkansas at Monticello is a process leading to improvement in the institution and in the quality educational programs it offers. Assessment occurs at the individual, class, program, academic unit, and university levels. Evaluations of these assessments are used to enhance student learning outcomes and University outcomes. Students can expect assessments throughout their educational experience.

Because UAM students are expected to become productive citizens, assessment of student learning outcomes is significant. Faculty assess the extent to which students have learned to synthesize knowledge, communicate effectively, use knowledge and technology with intelligence and responsibility, and act creatively within their own and other cultures. Students assess coursework, teaching, and other services of the University, lending a voice to improving not only their own educational experience but also the experiences of other students.

All students, faculty, and staff who participate in assessment and evaluation are expected to be open and honest in an effort to improve the institution and its educational programs.

## Academic Degrees, Majors, and Technical Certificates

Degrees, majors, and technical certificates are listed below. Consult the Programs of Study section of this catalog for course requirements of individual programs of study.

### Associate of Applied Science

- Agriculture Production Management
- Crime Scene Investigation
- General Technology
- Industrial Technology
- Law Enforcement Administration
- Nursing (LPN to RN)

### Associate of Arts

### Associate of Science

Land Surveying Technology

### Bachelor of Arts

- Art
- English
- Health and Physical Education, non-licensure
- History
- History and Social Studies
- Journalism
- Middle Childhood Education
- Music
- P-4 Early Childhood Education
- Political Science
- Speech Communication

### Bachelor of Applied Science

### Bachelor of Business Administration

- Accounting
- Business Administration

### Bachelor of Music Education

### Bachelor of Science

- Agriculture
- Biology
- Chemistry
- Computer Information Systems
- Criminal Justice
- Forestry
- Health and Physical Education
- P-12
- Non-licensure
- Exercise Science
- Mathematics
- Natural Science
- Psychology
- Spatial Information Systems
- Wildlife Management

### Bachelor of Science in Nursing

### Bachelor of Social Work

### Master of Arts in Teaching

### Master of Education

- Education
- Educational Leadership

### Master of Science

- Forest Resources

## Pre-Professional Studies

The University's faculty provides courses to prepare students in numerous professional programs. These programs include:

### Pre-Veterinary

See the Division of Agriculture section

### Pre-Engineering

See the School of Mathematical and Natural Sciences section

### Allied Health, Pre-Dentistry, Pre-Medicine, Pre-Pharmacy

See the School of Mathematical and Natural Sciences section

### Pre-Law

See the School of Social and Behavioral Sciences section

## Technical Certificates

- Administrative Information Processing
- Agriculture Technology
- Automotive Service Technology
- Business Technology
- Computer Maintenance/Networking
- Crime Scene Investigation
- Early Childhood Education
- Electromechanical Maintenance
- Electromechanical Technology-Industrial Controls
- Electromechanical Technology-Instrumentation
- Emergency Medical Technology (EMT) (Paramedic)
- Heavy Equipment Operation
  - Construction
  - Timber Production
- Industrial Equipment Maintenance
- Law Enforcement Administration
- Practical Nursing
- Welding Technology

## Certificates of Proficiency

- Automotive Technology
- Child Development Associate
- Cisco System Network Certificate of Proficiency
- Crime Scene Investigation
- Emergency Medical Technology Basic
- Emergency Medical Technology Intermediate
- Law Enforcement Administration
- Nursing Assistant
- Welding Technology

For students who have not decided upon an academic major during their first two years of enrollment, the University provides a program of general studies. Students may complete the Associate of Arts degree without deciding upon a major. Alternatively, students may earn the Associate of Arts degree while completing freshman and sophomore course requirements for a chosen major.

## Academic Structure

The University's academic structure consists of separate academic units that are more fully described in the Academic Units section of this catalog. The following listing provides further information about particular academic programs.

### Associate of Applied Science

- Agriculture Production Management-See College of Technology-McGehee
- Crime Scene Investigation-See School of Social and Behavioral Sciences
- General Technology-See Division of General Studies
- Industrial Technology-See College of Technology-Crossett
- Law Enforcement Administration- See School of Social and Behavioral Sciences
- Nursing-See School of Nursing

### Associate of Arts

See the Division of General Studies section

### Associate of Science

See the School of Forest Resources section

### Accounting and Business Administration

See the School of Business section

### Agriculture

See the Division of Agriculture section

### Art, English, Journalism, Music, Music Education, and Speech Communication

See the School of Arts and Humanities section

### Bachelor of Applied Science

See the General Studies section

### Biology, Chemistry, Mathematics, Natural Science

See the School of Mathematical and Natural Sciences section

### Computer Information Systems

See the Division of Computer Information Systems section

### Criminal Justice, History, History and Social Studies, Political Science, Psychology, Social Work

See the School of Social and Behavioral Sciences section

### Early Childhood Education, Middle Childhood Education, Health and Physical Education, Exercise Science, and all teacher education programs

See the School of Education section

### Forestry, Land Surveying Technology, Spatial Information Systems, Wildlife Management

See the School of Forest Resources section

### Graduate Education

See the Graduate section

### Nursing

See the Division of Nursing section

## Academic Support Units

### Continuing Education

The University seeks to meet the educational needs of the working adult, and life enrichment and skill development needs of children and adults of all ages. Programs offered through Continuing Education range from full semester courses to one- or two-month mini-courses or workshops lasting from one day to a week or more. Some programs are offered in partnership with professional, business, and public service organizations.

Continuing education courses may be offered throughout the Southeast Arkansas area, based on demand. Some continuing education courses are designed and taught specifically for business and industry to assist with the training of their employees; as a result, some classes have prerequisites. Courses leading to licensure generally require that an individual be at least 18 years of age to take the credentialing examination(s).

Fees for any continuing education course vary according to the specific curriculum as well as the cost of books and supplies. Classes in continuing education are offered through each campus.

Please contact the offices below for specific information regarding continuing education.

### Academic Affairs

Administration Building, Monticello  
Telephone: (870) 460-1032 / Fax: (870) 460-1933  
E-Mail: [acad\\_affairs@uamont.edu](mailto:acad_affairs@uamont.edu)  
Mailing Address: P. O. Box 3478, Monticello, AR 71656

### UAM College of Technology-Crossett

Telephone: (870) 364-6414 / Fax: (870) 364-5707  
Mailing Address: 1326 Highway 52 West, Crossett, AR 71635

### UAM College of Technology-McGehee

Telephone: (870) 222-5360 / Fax: (870) 222-4702  
Mailing Address: P. O. Box 747, McGehee, AR 71654

### Distance Education

Location: Taylor Library and Technology Center, 2nd floor, Monticello  
Telephone: (870) 460-1663 / Fax: (870) 460-1920  
Home Page: <http://www.uamont.edu/library/documents/distance.pdf>  
Mailing Address: P. O. Box 3490, Monticello, AR 71656

The University seeks to address the needs of the population it serves through distance education. The University provides several interactive video classrooms for on- and off-campus instruction and for interactive conferencing for business and industry. All conferencing and classroom facilities are professionally staffed and maintained. The University also provides satellite downlink and viewing facilities with the capability to seat large audiences.

Distance education services also include web-based instruction and computer labs for individuals who need public access to equipment and the Internet.

### Information Technology

Location: Wells Hall, Monticello  
Telephone: (870) 460-1036 / Fax: (870) 460-1920  
Home Page: <http://www.uamont.edu/InformationTechnology/>  
E-Mail: [compsevr@uamont.edu](mailto:compsevr@uamont.edu)  
Mailing Address: P. O. Box 3626, Monticello, AR 71656

The University provides an opportunity for students and other members of the UAM community to enhance their educational experiences and expand their academic knowledge by making available access to computer facilities and resources including the Internet. Computing and networking resources have been allocated for academic activities that are consistent with the mission and goals of the University; i.e., to support teaching, research, administrative processes, UAM-sponsored community service, and other legitimate pursuits. Each faculty and staff member is eligible for an e-mail account and Internet access, as is any student who is enrolled in three or more hours (credit or audit).

The Department of Information Technology is responsible for administering and/or overseeing the campus computer network including all network connections in campus offices, labs, and residence halls, as well as the campus public computer labs and facilities. Information Technology also provides support for distance education services that include interactive video conferencing, satellite downlink, and web-based instruction. Workshops about UAM computer network options are offered to faculty/staff and students periodically during each semester.

### The Library

Taylor Library and Technology Center, Campus Quadrangle  
Telephone: (870) 460-1080  
Home Page: <http://www.uamont.edu/library>  
Mailing Address: P. O. Box 3599, Monticello, AR 71656

### Library/Media Center, Crossett

Telephone: (870) 364-6414  
Mailing Address: 1326 Highway 52 West, Crossett, AR 71635

### Library/Resource Center, McGehee

Telephone: (870) 222-5360  
Mailing Address: P. O. Box 747, McGehee, AR 71654

The Taylor Library and Technology Center occupies a state-of-the-art facility centrally located on the Monticello campus. The Monticello campus collections comprise over 500,000 items including books, bound periodicals, microforms, government documents, and archival materials, as well as over 950 print journal and 14,000 electronic journal subscriptions.

The UAM College of Technology-Crossett Library/Media Center holds over 7,000 items. The UAM College of Technology-McGehee Library/Resource Center has over 3,000 holdings. These branch collections include reference books, periodicals, technical and industrial books, and other learning resources.

The Library home page, from the UAM website, furnishes access to over 100 electronic research subject databases, some of which are full-text, as well as links to web sites of interest to graduate and undergraduate students. The Library participates in ARKLink, a statewide reciprocal borrowing agreement program. Memberships in regional and national computer networks provide extensive opportunities for research and promote resource sharing.

### Registrar's Office

Location: Harris Hall, Room 102, Monticello  
Telephone: (870) 460-1034 / Fax: (870) 460-1935  
E-Mail: [registrar@uamont.edu](mailto:registrar@uamont.edu)  
Mailing Address: P. O. Box 3598, Monticello, AR 71656

The Registrar's Office supervises registration for classes, maintains academic records, verifies the awarding of certificates and degrees, issues diplomas and issues transcripts. This office also provides certification information for Department of Veterans Affairs programs.

### The Writing Center

Location: Memorial Classroom Building, Room 113, Monticello  
Telephone: (870) 460-1378  
Home Page: [http://www.uamont.edu/Arts\\_and\\_Humanities/writingcenter.htm](http://www.uamont.edu/Arts_and_Humanities/writingcenter.htm)  
E-mail: [writing@uamont.edu](mailto:writing@uamont.edu)  
Mailing Address: P. O. Box 3460, Monticello, AR 71656

The Writing Center services are free to university students. Senior-level English majors who assist students during all stages of the writing process staff the Writing Center. Writing is recognized as a recursive, overlapping activity that involves pre-writing, drafting, revising, proofreading, and publishing. Whatever the academic discipline or class assignment, peer tutors provide feedback and suggestions that help students understand the essential elements of academic writing.

The Writing Center tutors help students generate ideas, develop a thesis, organize material, and revise early drafts. Students are also assisted in learning about grammar, style, and clarity;

about their own writing process; and how to improve proofreading skills. The Center's staff and tutors work one-on-one with students on a variety of writing projects: compositions, reports, outlines, business letters, research, and fiction.

Additionally, the Writing Center has 25-networked computers with Internet capability. Tutors also assist students with Internet research and word processing.

## Other Support Units

### Adult Education

Location: College of Technology-Crossett

Telephone: 870-364-6414

Mailing Address: 1326 Highway 52 West, Crossett, AR 71635

Location: College of Technology-McGehee

Telephone: 870-222-5360

Mailing Address: P. O. Box 747, McGehee, AR 71654

Both College of Technology campuses offer an Adult Education Program designed to strengthen an individual's academic skills in reading, language, math, and other subjects.

The Adult Education Program is open to individuals eighteen (18) years of age or older who are not enrolled in a high school program. An applicant for enrollment may be asked to provide proof of age. An individual under the age of 18 can be enrolled in the program only if referred by the public school in the district in which he/she lives.

The Adult Education Program also serves high school graduates who desire to take refresher courses to prepare for employment or other school or college entrance tests, etc., and non-high school graduates who want to earn a high school equivalency diploma (GED). In addition to academic classes, life skills and employability skills training are available through the Adult Education Program.

The Adult Education Program is of no cost to students and is operated on an open entry/open-exit basis. Orientation and assessment sessions are scheduled regularly. Classes are held with a day and a night schedule. Class schedules are not the same on the campuses; please contact the Adult Education Program on each campus for exact dates and times of Adult Education Programs.

### Early Childhood Development Center

Location: College of Technology-McGehee

Telephone: (870) 222-5360

Mailing Address: P. O. Box 747, McGehee, AR 71654

The UAM College of Technology-McGehee Early Childhood Development Center (the Center) is licensed by the State of Arkansas Department of Human Services to serve 56 children between 6 weeks and 5 years of age.

The Center is open Monday through Friday from 7 a.m. until 5 p.m.

The Center is also used as a pre-employment training site for students enrolled in the early childhood program.

Fees for children are charged on a daily or weekly basis. All fees are prepaid on Monday of the week of service. Completed application packets and documentation for program voucher and/or government funding for fees must be approved by the Director of the Center before the child can be accepted for child care services. Applications are located at The Center and at the College of Tech-

nology campus.

Children of McGehee High School students are given first consideration for enrollment. Secondary consideration is then given to: children of The College of Technology's full-time or part-time students; McGehee High School faculty, the College of Technology-McGehee faculty, and McGehee residents.

### SCIMAST Access Center

Location: Math and Science Center, Monticello campus

Telephone: (870) 460-1966

Mailing Address: P. O. Box 3480, Monticello, AR 71656

The Southwest Consortium for the Improvement of Mathematics and Science Teaching, a division of the Southwest Educational Development Laboratory, has a SCIMAST Access Center located on the UAM campus. The Center makes high-quality mathematics and science materials available to K-16 educators. Access Center staff provides guidance and professional development in the use of these resources and contribute their individual expertise in topics as diverse as astronomy, forensics, geology, statistical analysis, and more.

### Concurrent Enrollment

Location: Division of General Studies

Telephone: (870) 460-1032, Monticello

(870) 222-5360, McGehee

(870) 364-6414, Crossett

High school students who meet the University guidelines may enroll in concurrent enrollment courses that are offered for academic credit at both the University and the high school level. Students should contact their high school counselor or principal for current course offerings. To receive concurrent credit, students must be admitted to the University of Arkansas at Monticello as pre-freshmen students. See the Admissions section of this catalog for details regarding admission requirements.

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## Undergraduate Admission



## General Information

Any person wishing to register for a single course or a full schedule of classes must first be admitted to the University. Required documents are to be sent to:

Office of Admissions / Harris Hall, Room 120  
P. O. Box 3600 / Monticello, AR 71656  
Telephone: (870) 460-1026 or 1-800-844-1826 (toll free)  
Fax: (870) 460-1926  
www.uamont.edu/admissions  
Email: whitingm@uamont.edu

Applicants are encouraged to submit all documents at least thirty days prior to the beginning of the semester or term of intended enrollment. Applicants who complete requirements later than seven days prior to registration for any semester or term may have to register late and pay an additional late registration fee.

A faxed copy of an official document is not acceptable, and academic records in the student's possession will not be considered official transcripts. While copies such as these may be used for information or advising purposes, they will not satisfy admission requirements.

Any student who falsifies admission materials or misrepresents eligibility for admission will be subject to immediate dismissal from the University.

## Admission Requirements

University requirements include: (1) a completed application for admission, (2) college entrance exam scores, and (3) official academic transcripts. The University also requires all first-time freshmen to sign acceptance of an 8-Semester Program of Study or a waiver of the 8-Semester Program of Study to become fully admitted.

Requirements mandated by state law include: (1) Proof of immunization against measles, mumps, and rubella for applicants born on or after January 1, 1957. Two doses of measles vaccine, one dose of mumps vaccine, and one dose of rubella vaccine are required. (2) A selective service statement. Students who are required to register with selective service must sign a statement attesting that they have registered or are exempt from doing so. This statement appears on the application for admission and must be completed by all male applicants. (3) For foreign-born students, proof of tuberculin skin testing within the last six months

All first-time freshmen graduating from high school after May 1, 1999 will be admitted unconditionally if they have successfully completed, with a minimum cumulative grade point average of 2.00 (on a 4.00 scale), the Arkansas high school core curriculum for unconditional admission to public colleges and universities. Out-of-state high school graduate transcripts will be evaluated individually to determine if the core curriculum and the grade point requirement are met. Students who receive a GED or who are graduates of home schooling or private high schools must make a composite of 19 on the ACT or the equivalent score on the ASSET, COMPASS, or SAT in order to be unconditionally admitted.

Students not meeting the standards as stated above will be admitted with conditions, as directed by the Office of Academic

Affairs.

## College Entrance Exam Scores

The ACT is the preferred college entrance exam; however, SAT, ASSET, or COMPASS scores will be accepted. Scores should be provided from an exam within the previous five years. Test scores must be sent by the testing agency or be recorded on an official transcript. The Office of Admissions will provide testing information to students who have not taken a college entrance examination within the previous five years. The institutional codes are: 0110 for ACT and 6008 for SAT.

High school students are advised to take college entrance exams no later than the first half of their senior year. Students should request the testing agency send their scores to the University of Arkansas at Monticello.

Transfer students who have not completed general education mathematics and/or English requirements with a grade of "C" or higher must provide college entrance exam scores. Or, a continuing student may be placed in the appropriate level of mathematics and/or English to continue studies until general education requirements are met.

## Transcripts

Each freshman student who has graduated from an accredited high school must submit an official copy of his/her transcript from the high school showing a diploma has been earned. Freshmen who have passed the GED must submit the GED certificate and scores in lieu of the high school transcript. Transfer students must request that official transcripts be mailed directly to the Office of Admissions from each institution attended.

## Ability to Benefit

Any adult student age 21 or older who has not earned a high school diploma or passed the GED may be admitted to the University as a special, non-degree seeking student as described later in this chapter. To enroll in courses as a degree-seeking student and possibly be eligible for financial aid, he/she must demonstrate an "ability to benefit" by one of the following measures:

1. The applicant must complete the ASSET placement test and achieve federally approved minimum passing scores (currently 35 in reading, 35 in writing, and 33 in numerical).

2. The applicant must complete the COMPASS placement test and achieve federally approved minimum passing scores (currently 62 in reading, 32 in writing, and 25 in prealgebra/numerical).

Certain programs or majors may require a high school diploma or GED as a prerequisite to entering a program. In addition, some programs may require a high school diploma or GED to fulfill state certification and/or licensure board requirements. Students who are planning to transfer to another higher education institution should be aware that the other institution may require a high school diploma or GED for admission or participation in certain majors.

## Readmission of Former

## Students

A student who has attended UAM in previous years but has not attended for one semester or more is required to complete an application for admission and submit official transcripts of college work from all institutions attended since the last enrollment at the University. Because admission requirements are subject to change, additional documents may be required.

Former University students who have attempted fewer than 30 hours of credit and who have not attended a college or university during the last two years (24 months) will be placed under the catalog in effect when they re-enroll at UAM. The catalog chosen and the student's graduation may not span a period of more than six (6) years.

## Freshman Early Admission

Students who submit an application for admission, ACT, SAT, ASSET or COMPASS scores, proof of required immunizations, and a six- or seven-semester transcript may be admitted during their senior year in high school. Following graduation, the student must request that a final transcript reflecting all credits, grades, and graduation date be sent to the University.

## Transfer Admission

In addition to general admission requirements, any student who has attended other colleges/universities must assure that transcripts of all work attempted from all schools attended be sent from those institutions directly to the UAM Office of Admissions.

Transfer students must be eligible to return to the institution previously attended. If either the cumulative or previous semester's grade point is less than a 2.00 (on a 4.00 scale), the student will be admitted on Conditional Academic Standing as described in the Academic Regulations section in this catalog. Transfer students are also subject to the Transfer Policy in the Academic Regulations section.

## Pre-Freshman Admission

Academically capable students may register for college courses at the University prior to high school graduation. As a pre-freshman, a student must provide the Office of Admissions with documents required for admission including a letter from the principal, or indicating that the student may enroll in college-level work. College entrance test scores are required.

Students who take college courses at UAM while they are still in high school will be required to meet all admission requirements for beginning freshmen upon graduation from high school. Courses taken while a pre-freshman will then apply toward a degree program at UAM or they may be transferred to other colleges or universities. The Office of the Registrar will report credits and grades earned to high school officials when the student provides a written request.

Whether courses taken at the University satisfy high school graduation requirements is a determination made exclusively by high school administrators where the student is in attendance.

## Special Student Admission

An individual who does not wish to pursue an academic degree but would like to enroll for a limited number of courses may enroll as a special student. A student may be admitted to this category with an application for admission and proof of required immunizations. To enroll in an English or mathematics course, the student must provide college entrance test scores.

A special student may not normally attempt more than six hours in any single term and may not declare a major. Credits earned from other institutions may not be transferred until the student meets all admission requirements to the University. After completing 18 hours, the special student may be required to complete all admission requirements and undertake a program leading to a degree.

A student on suspension from any college or university will not be allowed to receive special student status.

## Admission of Visiting Students

Students who are enrolled in another institution of higher education (to which they intend to return) and who wish to take courses at the University of Arkansas at Monticello must file an application for admission, proof of required immunizations, and a letter of good standing from the institution they are currently attending. To enroll in an English or mathematics course, the student must provide college entrance test scores.

Visiting student status is limited in duration and in the number of hours that can be accumulated. The visiting student who subsequently decides to pursue a degree at UAM must submit all documentation required of transfer students and request a change of status in the Office of the Registrar.

## Post-Baccalaureate Admission

Those who have already attained at least a baccalaureate degree and who wish to take additional undergraduate courses toward an additional degree are required to complete an application for admission, provide proof of required immunizations, and official transcripts from all institutions granting college credit. Students who wish to take only limited additional courses may enter as a special student (See Special Student Admission).

## Graduate Admission

All interested students must file an application for admission, supply proof of required immunizations, and provide an official transcript verifying the baccalaureate degree. Selective service status must be completed on the application for admission. GRE scores may also be required.

International students must comply with other requirements as outlined in Admission of International Students.

Students must contact the School of Education or the School of Forest Resources for additional unit requirements (See Graduate Programs).



## Provisional Admission

Provisional admission may be extended to the student who has not completed the admission process at the time of registration.

Proof of immunization documentation and the signed selective service statement must be submitted by the 15th class day of a spring or fall semester and by the 5th class day of a summer term.

During fall and spring semesters, first-time freshmen must submit a signed acceptance of an 8-Semester Program of Study or a waiver of the 8-Semester Program of Study by the 5th class day.

Students who do not meet the deadline(s) stated above may be administratively withdrawn from classes by the Registrar with no refund of tuition and fees, and the student will be ineligible to register provisionally for a future semester. Financial aid may also be affected. Questions about provisional admission should be directed to the Office of Admissions or the Office of the Registrar.

## Admission of International Students

UAM is SEVIS approved and authorized under federal law to enroll non-immigrant alien students on "F-1" or "M-1" student visas. Citizens of foreign countries who wish to attend UAM should request admission information from the Office of Admissions. The application for admission should be completed and submitted no later than three months prior to the beginning of the semester of registration. To be fully admitted to the University, all supporting documentation must be received at least three months prior to the beginning of the semester of registration. There is a \$35 non-refundable application fee for international students.

International applicants must meet the following requirements:

1. Submit a completed application for admission.
2. Submit official college entrance exam scores (ACT or SAT).
3. Submit certified copies of all academic records. The

applicant's academic background must be at least equivalent to the U. S. high school graduation as determined by the University. All documents submitted must be the original, or a certified copy of the original document, and must be translated into the English language.

4. If the applicant's native language is other than English, an official transcript of the score for the Test of English as a Foreign Language (TOEFL) must be submitted directly from the Educational Testing Service. For undergraduate applicants the required score for the paper-based test is 500, and the required score for the computer-based test is 173. For graduate applicants the required score for the paper-based test is 550 and the required score for the computer-based test is 213.

5. The applicant must submit a certified statement from a financial institution certifying that the applicant has on deposit a minimum amount that will cover the cost of attending UAM for at least one academic year. The current budget for one year is approximately \$10,000. An additional financial statement is required

on a yearly basis.

6. The applicant must be in good physical health as certified by a licensed physician. An international applicant must purchase health insurance and present evidence before enrollment. Proof of immunization against measles and rubella is required by the State of Arkansas. A current tuberculin skin test is required. Other immunization requirements may also be requested.

7. The student must complete the required I-901 application and pay the fee to initiate the international process. The INS Form I-20A, "Certificate of Eligibility for Non-Immigrant Student Status," will be issued only after eligibility for admission has been established. A minimum of three months prior to the beginning of classes may be necessary for the determination to be made after all documentation has been received and processed.

8. International students who are seeking admission as transfers from another college or university in the U.S. must be SEVIS eligible according to the U. S. Department of Homeland Security for transfer consideration. Transfer students must be in good standing at the institution from which they are transferring and must have a minimum grade point average of 2.00 (based on a 4.00 scale).

9. It is the responsibility of the international student to become familiar with the regulations of the Department of Homeland Security and assume responsibility for complying with these regulations. It is the University's intent to follow all regulations required by the DHS. Upon arrival, all international students must meet with the campus International Officer to review comprehensive guidelines. Students will be held responsible for adherence to these guidelines.

10. All graduate applicants may be required to submit scores for the GRE (Graduate Record Exam). Graduate students should consult the Graduate Programs of this catalog for details.

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## Fees & Expenses



Tuition and fees for all campuses in the University of Arkansas System are established by the University of Arkansas Board of Trustees and are subject to change.

### Undergraduate Tuition and Required Fees/Arkansas Resident (Fall/Spring Semester/Summer Terms – Monticello Campus)

Type	Cost per Hour	*Per Semester/Term
Tuition	\$108.00/hour	\$1,620.00
Technology Infrastructure Fee	\$5.00/hour	\$75.00
Activity Fee	\$4.00/hour	\$60.00
Instructional Equipment Fee	\$5.00/hour	\$75.00
Athletic Fee	\$9.00/hour	\$135.00
Facilities Fee	\$9.00/hour	\$135.00
Library Enhancement Fee	\$3.00/hour	\$45.00
Assessment Fee	\$5.00/\$2.50	
Colleges of Technology–Crossett and McGehee/Concurrent Classes		
Tuition	\$60.00/hour	\$900.00
Technology Infrastructure Fee	\$3.00/hour	\$45.00
Assessment Fee	\$5.00/\$2.50	
Out of State Tuition	\$2.00/hour	

\*Based on 15 hours

### Undergraduate Tuition and Required Fees/Out-of-State Resident (Fall/Spring Semester/Summer Terms)

An out-of-state resident is one who is not a bonafide resident of the State of Arkansas. The out-of-state tuition may be waived for students from the contiguous states of Texas, Oklahoma, Missouri, Tennessee, Mississippi, and Louisiana.

Type	Cost per Hour	*Per Semester/Term
Tuition/Arkansas resident	\$108.00/hour	\$1,620.00
Out-of-State Tuition	\$131.00/hour	\$1,965.00
Total Out-of-State Tuition	\$239.00/hour	\$3,585.00
Technology Infrastructure Fee	\$5.00/hour	\$75.00
Activity Fee	\$4.00/hour	\$60.00
Instructional Equipment Fee	\$5.00/hour	\$75.00
Athletic Fee	\$9.00/hour	\$135.00
Facilities Fee	\$9.00/hour	\$135.00
Library Enhancement Fee	\$3.00/hour	\$45.00
Assessment Fee	\$5.00/\$2.50	

\*Based on 15 hours

### Graduate Tuition and Fees (Fall Semester/Spring Semester/Summer Terms)

Type	Per Semester
Tuition/Arkansas resident	\$152.00/hour
Out-of-State Tuition*	\$183.00/hour
Total Out-of-State Tuition	\$335.00/hour
Technology Infrastructure Fee	\$5.00/hour
Activity Fee	\$4.00/hour
Instructional Equipment Fee	\$5.00/hour
Athletic Fee	\$9.00/hour
Facilities Fee	\$9.00/hour
Library Enhancement Fee	\$3.00/hour

\*The out-of-state tuition charge may be waived for students from the contiguous states of Texas, Oklahoma, Missouri, Tennessee, Mississippi, and Louisiana.

## Senior Citizen Fee Waiver

Tuition and fees for adults age 60 or older are waived. Individuals under this policy must pay all miscellaneous fees that may be required. Enrollment in a class for this group is contingent upon available space.

## Residence Hall Fees

Residence halls are open to any student who is enrolled on any campus of the University of Arkansas at Monticello.

### Board:

7-day/19-Meal Plan	\$1,130.00/semester
7-day/Any 15 meals	\$1,075.00/semester
7-day/Any 10 meals	\$1,000.00/semester
Student Apartment Meal Plan	\$450.00/semester

### Room fee based on double occupancy:

Bankston Hall	\$635.00/semester
Royer Hall	\$715.00/semester
Maxwell Hall Suite	\$840.00/semester
Horsfall Hall	\$715.00/semester
Family Housing	\$180.00/month
Student Apartments	\$375.00/month
Residence Hall Damage Deposit	\$60.00
Family Housing Damage Deposit	\$100.00
Student Apartment Damage Deposit	\$100.00

### Additional private room fee contingent upon availability:

Bankston Hall	\$195.00/semester
Royer Hall	\$255.00/semester
Horsfall Hall	\$255.00/semester
Maxwell Hall Suite	\$246.00/semester

### Miscellaneous Fees

Auto Registration	\$15.00 (per year)
(see Public Safety section elsewhere in catalog)	
Dropping and/or Adding Classes	\$10.00 per visit
Late Registration	\$25.00
I.D. Replacement Fee	\$5.00
Internship Fee	\$25.00
Internship Fee Out of Service Area	\$450.00
Undergraduate Distance Education Fee	\$45.00 per credit hour
(in lieu of other mandatory fees)	
Graduate Distance Education Fee	\$45.00 per credit hour
(in lieu of other mandatory fees)	
Vocal and Instrumental Private Instruction	\$ 40.00 for one credit hour
(per course), \$55.00 for two or three credit hours (per course)	
Band Fee	\$20.00/Fall semester
Child Development Care Insurance	\$15.00/year
Child Development Assessment Fee-McGehee	\$50.00/semester
Child Care Laboratory Fee	\$50.00/semester
EMT-Paramedic Student Insurance-McGehee	\$15.00/year
Student Nursing Insurance	\$15.00/year
LPN to RN Assessment Fee	\$90.00/semester
BSN Assessment Fee	\$90.00/year
RN to BSN Assessment Fee	\$20.00/year

LPN Nursing Assessment Fee-Crossett .....	\$90.00/semester
LPN Nursing Assessment Fee-McGehee .....	\$90.00/semester
Automotive Laboratory Fee .....	\$50.00/semester
AHEOTA Laboratory Fee .....	\$20.00/credit hour
Welding Laboratory Fee .....	\$25.00/course
Forestry Summer Camp Fee .....	\$300.00
International Graduate Registration Fee .....	\$30.00
Graduate Thesis Binding Fee .....	\$50.00
Transcripts .....	\$4.00/copy
Telephone Service Fee (Residential Students Only) .....	\$10.00/semester

## Estimate of Expenses

The following figures represent estimated costs that a full-time undergraduate Arkansas resident student taking 15 hours will incur while attending the University of Arkansas at Monticello.

Tuition/Fees	Semester	Year
Tuition .....	\$1,620.00	\$3,240.00
Technology Infrastructure Fee .....	\$75.00	\$150.00
Activity Fee .....	\$60.00	\$120.00
Instructional Equipment Fee .....	\$75.00	\$150.00
Athletic Fee .....	\$135.00	\$270.00
Facilities Fee .....	\$135.00	\$270.00
Library Enhancement Fee .....	\$45.00	\$90.00
Assessment Fee .....	\$5.00	\$10.00
Books and Supplies .....	\$400.00	\$800.00
Room and Board (Double Room, 7-day/19-Meal Plan)		
.....	\$1,845.00	\$3,690.00
Transportation .....	\$675.00	\$1,350.00
Personal Expenses .....	\$990.00	\$1,980.00
Totals .....	\$6,060.00	\$12,120.00

## Summer Term

Tuition .....	\$108.00/hour
Technology Infrastructure Fee .....	\$5.00/hour
Activity Fee .....	\$4.00/hour
Instructional Equipment Fee .....	\$5.00/hour
Athletic Fee .....	\$9.00/hour
Facilities Fee .....	\$9.00/hour
Library Enhancement Fee .....	\$3.00/hour
Assessment Fee .....	\$2.50/term
Books and Supplies .....	\$150.00
Room and Board .....	\$450.00
Transportation .....	\$200.00
Personal Expenses .....	\$220.00

Students who do not live in residence halls should subtract the room and board figure. Transportation, books and supplies, and personal expenses will vary according to individual student needs.

NOTE: All tuition and fees are subject to change upon approval by the University of Arkansas Board Of Trustees.

## Residency Status for Fee Pur-

## poses

A student's residency status for fee purposes is determined at the time of admission according to the policy established by the University of Arkansas Board of Trustees. Copies of the residency policy and petitions for change of residency status are available upon request from the Office of the Registrar. Petitions are reviewed by the Registrar and must be submitted to the Office of the Registrar at least two weeks prior to the beginning of the semester or term for which the change is desired.

## Payment of Accounts

All charges are due and payable in advance to the Cashier's Office. Cashier's office hours are 8:30 a.m.-4:00 p.m. Monday through Friday. At the time of registration, student accounts must be paid in full or arrangements made for full payment. The University offers the FACTS plan as a convenient method of tuition payment management. The FACTS plan provides a low cost option for budgeting tuition and other educational expenses. Students with unpaid accounts will not be eligible for transcripts or re-admission to any semester or term until all accounts are paid in full. Personal checks will be accepted from students with no record of returned checks. A charge of \$25 will be assessed for returned checks, and the student will be subject to revocation of registration.

NOTE: By enrolling in classes, either at early registration or regular registration, the student creates a financial liability in the amount of the tuition, fees, and any other charges pertinent to the enrollment process. The only way this financial liability can be eliminated is by payment from the student or his/her agent or formal cancellation of the enrollment by the student before the semester or term begins. Failure to attend class(es) does not reduce this liability. Failure to receive financial aid does not reduce this liability. Students must withdraw from the University in person or by written communication. The process for withdrawal can be found elsewhere in the Academic Regulations section of this catalog.

## Refunds—Tuition and Fees Withdrawal or Dropping Courses Fall or Spring Semesters

Any student who officially withdraws from the University of Arkansas at Monticello during a fall or spring semester is entitled to a refund as follows:

### Registration, Tuition, and Fees

1. Up to and including five class days..... 100%
2. From the sixth class day through the 10th class day .....50%
3. The 11th class day and after ..... NO REFUND

Any student who drops one or more courses and continues to be enrolled at the University during a fall or spring semester shall be entitled to individual course refunds as follows:

### Registration, Tuition, and Fees

1. Up to and including five class days ..... 100%
2. The sixth class day and after ..... NO REFUND

## Withdrawal/Summer Sessions

Any student who officially withdraws from the University of Arkansas at Monticello during a summer term is entitled to a refund as follows:

### Tuition and Fees

1. Two- to four-week sessions:
  - (a) Prior to start of classes ..... 100%
  - (b) After classes have begun ..... NO REFUND
2. Five- or six-week term:
  - (a) Up to and including two class days ..... 100%
  - (b) From the third class day through the fifth class day ..... 50%
  - (c) The sixth class day and after ..... NO REFUND
3. Seven and one-half- to nine-week term:
  - (a) Prior to start of classes ..... 100%
  - (b) Up to and including seven class days ..... 50%
  - (c) The eighth class day and after ..... NO REFUND
4. Ten- or Twelve-week term:
  - (a) Prior to start of classes ..... 100%
  - (b) Up to and including 10 class days ..... 50%
  - (c) The 11th class day and after ..... NO REFUND

## Dropping Courses/Summer Sessions

Any student who drops one or more courses and continues to be enrolled at the University during a five- or six-week summer term is entitled to individual course refunds as follows:

### Registration, Tuition, and Fees

1. Up to and including two class days ..... 100%
2. The third class day and after ..... NO REFUND

The University will follow the refund policy for “Five- or six-week session” when the summer session is more than four weeks but less than five weeks.

The University of Arkansas at Monticello refund policy is subject to change if required by federal regulation or the University of Arkansas Board of Trustees. Appeals of the refund policy must be submitted in writing to the UAM Executive Council.

## Refund – Bookstore

Any student who officially withdraws or drops a class at the University of Arkansas at Monticello during the fall or spring semester is entitled to a refund at the Bookstore as follows:

1. Up to and including five class days ..... 100%
2. From the sixth class day through the 10th class day ..... 50%
3. The 11th class day and after ..... NO REFUND

Any student who officially withdraws or drops a class at the University of Arkansas at Monticello during a summer term is entitled to a refund at the Bookstore as follows:

1. Up to and including second class day ..... 100%
2. From the third class day through the fifth class day ..... 50%
3. The sixth class day and after ..... NO REFUND

Students need to furnish a receipt from the purchase of books and a student ID when returning a book. The book must be

in the same condition as when purchased.

## Cash for Books

If a student misses the refund deadline, the Bookstore has “Book Buy Backs” at the end of each semester or term. This service pays cash directly to the student for textbooks.

## Refunds–Residence Halls

Cancellations of residence hall applications must be submitted in writing to the Residence Life Office, P. O. Box 3466, Monticello, AR 71656-3466. Notifications submitted to other offices do not comply with this requirement and requested official action cannot be assured. Students canceling after August 15 (for the academic year), December 22 (for spring semester only) and the first day of class for summer terms, will forfeit the \$60 damage deposit. Students who occupy a room (i.e., sign check-in forms and accept room keys) but later choose to move out of the residence hall forfeit the \$60 damage deposit, are responsible for board charges through the date of official checkout with residence hall staff, and also forfeit room charges for the remainder of the semester or term.

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## Financial Assistance



## Office of Financial Aid

Harris Hall, 3rd floor, Monticello Campus  
P. O. Box 3470  
Monticello, AR 71656  
Telephone: (870) 460-1050  
Outside Drew County: Toll Free 1-800-226-2643

A variety of financial assistance packages are available to University students. The four categories of aid are: grants, loans, part-time employment, and scholarships.

The Financial Aid Office administers federal grants, loans, and part-time employment, which are described below.

Grants are the first type of aid awarded to eligible students. If eligibility for assistance still exists, students may be awarded part-time employment or loans to meet their individual needs.

Students may apply for all federal aid programs by completing one application, the FAFSA (Free Application for Federal Student Aid), which can be completed on-line via the Internet at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Students are encouraged to apply early because some types of aid have limited funding.

Verification of applicant data may be required. The Office of Financial Aid will request any required verification documentation. This documentation must be submitted within two weeks of the request. No financial assistance will be awarded until required documentation is received and applicant data is determined to be correct.

Federal financial assistance will be awarded, and the student notified when the application for assistance is complete. Disbursements are made by crediting the student's account for the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), and Federal Perkins Loan awards each term the student is eligible. Earnings from federal and institutional work-study are paid to students once each month by check. Students may have financial awards that exceed their institutional expenses. Students should refer to the "Schedule of Classes" each term to determine when refunds will be issued. Federal Stafford Student Loan and Federal PLUS Loan funds must be applied, in full, to the student's account.

## Grants

The **FEDERAL PELL GRANT** is designed to provide financial assistance to students seeking postsecondary education. Federal Pell Grants are intended to be the "ground floor" of the financial aid package and may be combined with other forms of aid in order to meet the needs of the student. Student eligibility is primarily based on a "financial need formula" developed by the U.S. Department of Education. Since the Federal Pell Grant is a grant award, there is no repayment to be made.

The **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)** is designed to provide financial assistance to students who have exceptional financial need. These awards do not have to be repaid.

## Loans

The **FEDERAL PERKINS LOAN PROGRAM** assists students by providing a low-interest education loan to students qualifying on the basis of "financial need." Repayment of this loan may extend over a ten-year period beginning nine months after the borrower ceases to be enrolled at least half time. Interest (currently 5%) starts at the beginning of the repayment period and is charged on the unpaid balance of the loan principal. For borrowers who become teachers in certain types of schools (or teach in fields of expertise that have a shortage of qualified teachers), there are cancellation provisions. Cancellation provisions may also be extended to full-time nurses, medical technicians, law enforcement or corrections officers, providers of early childhood intervention services, and child/family service agency workers. Also, borrowers who serve in specified military duty may be eligible for cancellation provisions.

The **FEDERAL STAFFORD LOAN PROGRAM** can provide either subsidized or unsubsidized low interest loans to students enrolled at least half time. Subsidized loan funds can be awarded to students who have "unmet need" remaining when all other types of aid have been awarded. The Federal government pays the interest on these subsidized loans while the student is enrolled and through the grace period. Unsubsidized loan funds might be awarded to students who have no "unmet need" remaining after all other types of aid have been awarded. The Federal government does not pay the interest on unsubsidized loans while the student is enrolled. The student can choose to pay the interest or the interest can be capitalized. Some students might be awarded a combination of subsidized and unsubsidized loan funds. Repayment of these loans may extend over a 10-year period beginning six months after the borrower ceases to be enrolled at least half time.

The **FEDERAL PLUS LOAN PROGRAM** makes loans available to the parents of dependent undergraduate students. Each borrower must use the loan funds to pay for the student's educational costs. Unlike other Federal Family Education Loan Programs, PLUS borrowers are not required to show financial need but must complete the Free Application for Federal Student Aid. The amount borrowed cannot exceed the cost of education.

## Part-Time Employment

Funds are also available in the form of part-time employment. Employment opportunity is made available to those students who qualify and who need an income supplement to partially defray college expenses. Student employment generally falls into two categories: Federal College Work-Study, which is determined on the basis of financial need; and Institutional Work-Study, which is determined principally by the degree of work skills possessed and availability of jobs. Types of employment opportunities at the University include secretarial, clerical, custodial, resident assistant, library, maintenance, lab assistant, sports official, and lifeguard.

## Return of Title IV Funds

The return of Title IV funds is based on requirements of the Higher Education Amendments of 1998 and assumes that a student earns his/her aid based on the period of time he/she remains enrolled. If a student withdraws from the University during the first 60% of the enrollment period, the University and/or the student may be required to return some of the Title IV funds awarded to the student. Title IV funds include Federal Stafford Loans, Federal Perkins Loans, Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, and Arkansas Student Assistance Grants. During the first 60% of the enrollment period, a student earns Title IV funds in direct proportion to the length of time he/she remains enrolled. A student who remains enrolled beyond the 60% point earns all aid for which he/she is eligible and will not be required to return any funds. Examples of actual Return of Title IV Funds calculations are available in the Office of Financial Aid.

## Scholarships

All scholarships awarded by the University of Arkansas at Monticello are competitive, and awards are based upon demonstrated academic ability or performance skills. Renewable scholarships require the student to meet and maintain specific criteria. The University offers a variety of scholarships including institutional, athletic, departmental, and privately funded awards. For additional information, contact Scholarship Committee Chair, P. O. Box 3600, Monticello, AR 71656. E-mail: [whitingm@uamont.edu](mailto:whitingm@uamont.edu) or telephone 870-460-1026 (toll free 1-800-844-1826).

## Types of Scholarships

### I. Institutional Scholarships

Scholarships funded by the University, awarded as funds are available. Eligibility for institutional scholarships requires the student to:

- 1) apply for admission,
- 2) apply for scholarship,
- 3) achieve the designated ACT score, and
- 4) achieve a minimum 3.00 GPA for all high school courses

Students may receive only one institutional academic scholarship in any semester. In addition to the renewal criteria for

each scholarship, no scholarship will be continued if the student's required semester GPA is not achieved or if the student does not successfully complete at least 12 hours of course work at the 1000-level or above each semester. Students who meet scholarship eligibility requirements by March 1 will receive priority. After March 1 consideration for scholarship awards will be based upon availability of funds. Scholarship candidates are encouraged to begin the process early in their senior year.

The term "academic year" is mentioned in some of the following scholarship renewal descriptions. An "academic year" for scholarship purposes includes the fall, spring, Summer I, and Summer II terms; however, scholarship funds are not available for summer terms only.

#### A. Chancellor's Scholarship

**Award:** Tuition, fees for up to 18 credit hours, residence assignment and board for a maximum of eight semesters of continuous enrollment. Out-of-state tuition is waived.

**Eligibility Requirements:** 30 or above ACT composite and rank in the top 10% of the graduating class with a minimum 3.00 high school GPA or achieve National Merit Finalist or Achievement Finalist.

**Renewal Criteria:** Minimum completion of 12 hours of college-level work each semester and minimum of 3.25 cumulative GPA.

**Application:** No scholarship application required. Awarded when the student applies for admission and ACT scores, class rank, and high school GPA are verified.

#### B. University Scholarship

**Award:** Tuition, fees for up to 18 credit hours, and residence assignment for a maximum of eight semesters of continuous enrollment. Out-of-state tuition is waived.

**Eligibility Requirements:** 27-29 ACT composite and minimum 3.00 high school GPA.

**Renewal Criteria:** Minimum completion of 12 hours of college-level work each semester and minimum of 3.00 cumulative GPA.

**Application:** No scholarship application required. Awarded when the student applies for admission and ACT scores and high school GPA are verified.

#### C. Academic Scholarship

**Award:** Tuition and fees for up to 15 credit hours for a maximum of eight semesters of continuous enrollment. Out-of-state tuition is waived.

**Eligibility Requirements:** 24-26 ACT composite and minimum 3.00 high school GPA.

**Renewal Criteria:** Minimum completion of 12 hours of college-level work each semester and minimum of 3.00 cumulative GPA.

**Application:** No scholarship application required. Awarded when the student applies for admission and ACT scores and high school GPA are verified.



#### D. Weevil Excellence Scholarship

Award: \$750 tuition award per semester for a maximum of eight semesters of continuous enrollment.

Eligibility Requirements: 22-23 ACT composite with at least a 19 ACT score in English and mathematics, minimum 3.00 GPA, and evidence of school leadership.

Renewal Criteria: Minimum completion of 12 hours of college-level work each semester and minimum of 3.00 cumulative GPA.

Application: Admission and scholarship applications required with counselor verification of ACT scores and high school GPA.

#### E. Leadership Scholarship

Award: \$500 tuition award per semester for a maximum of eight semesters of continuous enrollment.

Eligibility Requirements: 19-21 ACT composite with at least a 19 ACT score in English and mathematics, minimum 3.00 high school GPA and evidence of school leadership.

Renewal Criteria: Minimum completion of 12 hours of college-level work each semester and minimum of 3.00 cumulative GPA.

Application: Admission and scholarship applications required with counselor verification of ACT scores and high school GPA.

#### F. Valedictorian Scholarship

Award: Tuition for up to 15 credit hours per semester for a maximum of eight semesters of continuous enrollment. Out of state tuition is waived.

Eligibility Requirements: 21 ACT composite with at least a 19 ACT score in English and mathematics, minimum 3.00 high school GPA and school confirmation of valedictorian status.

Renewal Criteria: Minimum completion of 12 hours of college-level work each semester and minimum of 3.00 cumulative GPA.

Application: Admission and scholarship applications required with counselor verification of ACT scores, high school GPA, and rank.

#### G. Community College Transfer Scholarship

Award: Tuition for up to 15 credit hours per semester for a maximum of four semesters of continuous enrollment excluding summer terms. Out of state tuition is waived.

Eligibility Requirements: Students attending accredited community colleges who have completed at least 60 hours and/or an associate degree with a minimum 3.00 cumulative GPA.

Renewal Criteria: Minimum completion of 12 hours of college-level work each semester and minimum of 3.00 cumulative GPA.

Application: Admission and scholarship application required, and a final (or partial) transcript. A final transcript must be on file to receive the actual award.

#### H. Regional Scholarship

Award: Award not to exceed the cost of out-of-state fee for a

maximum of eight semesters.

Eligibility Requirements: Residents of Mississippi, Louisiana, Texas, Oklahoma, Missouri, or Tennessee.

Application: No application is required. Scholarship is awarded when the student enrolls for classes.

#### I. Colleges of Technology at Crossett and McGehee Scholarships

Award: Tuition for designated proficiency or technical certificate programs.

Eligibility Requirements: Proof of academic and technical performance, teacher recommendation, financial need, and participation in school activities

Renewal Criteria: Full-time status with at least 2.00 GPA.

Application: Awarded selectively to high school seniors. Required entrance exams and placement tests as well as enrollment for the first applicable term following high school graduation. Requires continuous enrollment toward program completion.

#### J. UAM Scholarship for the University of Arkansas School for Math, Science and Arts Scholarship

Award: Tuition for up to 15 credit hours per semester for a maximum of eight semesters of continuous enrollment.

Eligibility Requirements: Any graduating senior from ASMSA, using the award the first eligible term immediately following high school graduation.

Renewal Criteria: Minimum completion of 12 hours of college-level work each semester with a minimum 3.00 GPA.

Application: Admission and scholarship application required by March 1 of the senior year, with required items for admission on file by June 1 of that year.

#### K. UAM and T.H.E.A. Foundation Partnership Scholarship

Award: \$3,500 scholarship divided into two equal payments, one for fall semester and one for spring semester, beginning for the fall semester following high school graduation.

Eligibility Requirements: Any AR graduating senior winning the T.H.E.A. Foundation Performing Art or Visual Art competition.

Renewal Criteria: May be renewed for six additional semesters of continuous enrollment following the freshman year. A 3.00 GPA will be required with completion of a minimum of 12 college hours each semester.

Application: Admission and scholarship applications required. Must provide required items for admission by June 1 of the senior year.

#### L. UAM and T.H.E.A. Finalist Scholarship

Award: One-time \$1,000 scholarship award divided into equal payments for fall and spring semesters for one year of continuous enrollment.

Eligibility Requirements: Proof of top ten finalist in the T.H.E.A. Performing Art or Visual Art competition.

Renewal Criteria: Proof of 12 college hours with a 3.00 GPA required in the fall term for spring term award.

Application: Admission and scholarship applications required.

Must provide finalist proof and required items for admission by June 1 of graduating senior year.

**M. Arkansas Army National Guard Scholarship**

Award: 75 percent tuition waiver awarded per semester through the Army National Guard. The additional twenty-five percent tuition waiver is awarded from UAM.

Eligibility Requirements: Determined by the Army National Guard.

Renewal Criteria: Review of transcript made each semester by the Army National Guard with recommendation for continuance required.

Application: Interested Army guardsmen must apply for consideration through [www.virtualarmory.com](http://www.virtualarmory.com).

**N. Arkansas Air National Guard Scholarship**

Award: 25 percent tuition waiver awarded per semester from UAM.

Eligibility Requirements: Determined through the area Base Education Office of the Air National Guard.

Renewal Criteria: Review of transcript made each semester with recommendation for continuance required.

Application: Interested Air guardsmen must apply through the area Base Education Office of the Air National Guard.

**II. Performance Scholarships/Grants in Aid**

To qualify for a grant-in-aid at the University of Arkansas at Monticello, entering freshmen must meet at least two of the following criteria:

1. Have a minimum composite ACT of 18.
2. Have a minimum high school grade point average of 2.00.
3. Rank in the upper 50% of their high school graduating class.

An upperclassman or transfer student must be in good academic standing to receive a grant-in-aid.

**A. Band, Choir, Keyboard Scholarships**

Award amount varies according to the student's ability. Maximum award amount is equal to the cost of tuition each semester. Award based upon talent, skill, and performance audition. Contact the Assistant Dean, Division of Music, at (870) 460-1060.

**B. Debate/Competitive Speaking Scholarship**

Award amount varies according to the student's ability. Maximum award amount equal to the cost of tuition each semester. The application process includes letters of recommendation and written application to the program. Contact the Director, UAM Debate Team at (870) 460-1078.

**C. Cheerleader/Mascot Scholarship**

Maximum award amount equal to one-half the cost of tuition each semester. Try-out is required. Contact Director of Student Programs and Activities at (870) 460-1396.

**III. Athletic Scholarships**

The University awards a limited number of athletic scholarships in accordance with the regulations of the N.C.A.A. and Gulf South Conference. The amount varies with the sport and the player's ability. These scholarships are based on skill. Contact the Athletic Director, University of Arkansas at Monticello, Monticello, AR 71656, (870) 460-1058 and/or your high school coach.

**IV. Privately Funded Scholarships**

The University and the UAM Foundation Fund award several scholarships made available from private donations. Often donors specify the criteria for selection of scholarship recipients. For example, some scholarships require applicants to meet qualifications such as minimum grade point average, hometown, or major. Others are based upon proven financial need. Scholarship amounts and eligibility requirements vary. Contact the Office of Admissions for information and application materials.

The following is a list of endowed scholarships and awards held by the UAM Foundation Fund:

**AGRICULTURE**

**Webb/Carter Scholarship**

Est. 1994 by Paul R. and June Webb Carter

**Vance W. Edmondson Scholarship**

Est. 1987 by Vance W. and Cynthia H. Edmondson

**Jesse and Ernestine Coker Scholarship-Agriculture**

Est. 1992 by Dr. and Mrs. Jesse M. Coker

**Pickens Scholarship**

Est. 1994 by the B. C. Pickens Trust

**Weldon B. Abbott Endowed Scholarship**

Est. 1998 by his wife, Mrs. Betty S. Abbott, and his children

**Robert L. Hixson Memorial Scholarship**

Est. 2000 by family and friends of Robert L. Hixson

**Dan & Charlotte Hornaday Agriculture Scholarship**

Est. 2005 by Mr. and Mrs. Daniel Hornaday

**Jimmy Lee Buford Memorial Scholarship**

Est. 2006 by the Advisory Committee, Agriculture

Technology Dept.-UAM College of Technology-McGehee

**U of A Division of Agriculture Scholarship**

Provided by University of Arkansas Division of Agriculture

**ARTS & HUMANITIES**

**Mary Claire Randolph Buffalo Scholarship**

Est. 1997 by Harvey A. Buffalo

**Fred and Janice Taylor Scholarship**

Est. 1998 by the UAM Foundation Board of Directors and Friends of UAM

**Benjamin and Jerri Whitten Hobson Scholarship**

Est. 1999 by the family of Benjamin and Jerri Whitten

**Hobson**

**Thomas C. & Julia Hobson Coleman Scholarship**

Est. 1999 by the family of Thomas C. and Julia Hobson

**Coleman**

G. William and Verna Hobson Cahoon Scholarship  
Est. 1999 by the family of G. William and Verna Hobson Cahoon

Charlotte Cruce Hornaday Scholarship  
Est. 2002 by Mr. and Mrs. Daniel Hornaday

George and Betty Townsend Journalism Scholarship  
Est. 2004 by Mr. and Mrs. George Townsend

R. David Ray Debate/Forensics Scholarship  
Est. 2004 by Mr. and Mrs. R. David Ray and friends

Birch-Johnson Endowed Scholarship  
Est. 2004 by Mr. and Mrs. J. Chester Johnson

Marjorie Lamb Chamberlin Music Scholarship  
Est. 1987 and completed in 1991 by family and friends of Marjorie Lamb Chamberlin

Lee Wallick Band Scholarship  
Est. 1996 by Dr. Paul Wallick, Sr. and former band students and friends of Lee Wallick

Helen Harris Scholarship  
Est. 1987 by friends and the son of Helen Harris

John Falls Bowen Scholarship  
Est. 1995 by friends and family of John Falls Bowen

Suzanne Cooke Memorial Scholarship  
Est. 1981 by Mr. and Mrs. Paul Cooke

Daniel & Charlotte Hornaday Music Excellence Scholarship  
Est. 1998 by Mr. and Mrs. Daniel Hornaday

Dr. Jesse M. Coker Distinguished Service Scholarship  
Est. 1999 by the UAM Foundation Fund Board of Directors

Verna Hobson Cahoon, Elizabeth Coleman Cochran, Cornelia Coleman Wright Scholarship  
Est. 1999 by their family

Arthur A. Harris Vocal Endowed Scholarship  
Est. 1988 by Annette Hall, and family and friends of the Arthur A. Harris Family

Fred & Doris Bellot Music Endowed Scholarship  
Est. 2004 by Dr. & Mrs. Fred K. Bellot

#### ATHLETICS

Hani and Debra Hashem Scholarship  
Est. 1996 by Hani and Debra Hashem

Willis "Convoy" Leslie Scholarship  
Est. 1992 by friends and family of Willis "Convoy" Leslie

Joe Brown Memorial Scholarship  
Est. 1993 by family and friends of Joe Brown

Bill Groce, Jr. Scholarship  
Est. 1987 and completed in 1993 by family and friends of Bill Groce, Jr.

Wayne Gilleland Memorial Scholarship  
Est. 2005 by Dr. Diane Suitt Gilleland and friends of Wayne Gilleland

Betty A. Matthews Women's Athletics Scholarship  
Est. 2006 by Dr. Betty A. Matthews

#### BUSINESS

Curtis W. Kyle Family Scholarship  
Est. 1995 by Curtis W. Kyle

Fay Brann Accounting Scholarship  
Est. 1982 by Mrs. J. F. Brann

J. M. and Annie Mae Matthews Scholarship  
Est. 1986 by Annie Mae Matthews, James Madison Matthews, Jr. and Jane Matthews Evans

Robert W. D. Marsh Scholarship  
Est. 1986 by Mrs. DeMaris G. Marsh

Paul R. and June Webb Carter Scholarship  
Est. 1991 by Paul R. and June Webb Carter

Pauline J. and Zach McClendon, Sr. Scholarship  
Est. 1989 by Mrs. Pauline McClendon and Union Bank and Trust Company

Virginia Lee Maxwell Memorial Scholarship  
Est. 2004 by Mr. and Mrs. Thomas Maxwell and family

Veneta E. & Louis Richard James Scholarship  
Est. 2005 by Dr. and Mrs. Louis J. James

Izella Ruth Gullede Scholarship  
Est. 2005 by Dr. Dexter E. and Mrs. E. Shermane Gullede

Bub and Beulah Pinkus Scholarship  
Est. 2005 by the Pinkus Family

Richard Wallace Memorial Scholarship  
Est. 2005 by family, friends, and former students of Richard Wallace

West-Walden Family Scholarship  
Est. 2006 by Dr. Louis J. and Carol West James

Jeff Busby Memorial Scholarship  
Est. 1988 and completed in 2001 by family and friends of Jeff Busby

E. Shermane Gullede Non-traditional Scholarship  
Est. 2006 by Dr. Dexter E. and Mrs. E. Shermane Gullede

Jeff Busby Memorial Award  
Awarded in memory of Jeff Busby

#### COMPUTER INFORMATION SYSTEMS

William R. and Katie B. Austin Scholarship  
Est. 2001 by William R. and Katie B. Austin

#### EDUCATION

Ruth G. Boyd Endowed Scholarship  
Est. 1984 by Dr. Scott Boyd

P. E. and Melba Munnerlyn Scholarship  
Est. 1995 by P. E. and Melba Munnerlyn

Dr. Scott Boyd Scholarship  
Est. 1986 by friends and former students of Dr. Scott Boyd

Peggy Wallick Scholarship  
Est. 1994 by Paul A. Wallick, Sr.

Horace E. Thompson Scholarship  
Est. 1983 by members of the United Commercial Travelers, family and friends of Horace E. Thompson

Madge Youree Scholarship  
Est. 1986 by the family and friends of Madge Youree

Suzanne Cooke Memorial Scholarship  
Est. 1981 by Mr. and Mrs. Paul Cooke

Miller Sisters Scholarship

Est.1986 by Miss Jessie W. Miller  
Jesse and Ernestine Coker Scholarship  
Est.1992 by Dr. and Mrs. Jesse M. Coker  
Paul R. and June Webb Carter Scholarship  
Est.1991 by Paul R. and June Webb Carter  
Emeline Killiam Pope, Sallie Pope Wood, and Velma Wood Powell  
Scholarship  
Est.1997 by the estate of Velma Wood Powell  
Elizabeth Culbertson McDaniel Scholarship  
Est.1998 by Noel Waymon McDaniel and Noel A. McDaniel  
Velma Ashcraft Norman Scholarship  
Est.1997 by Sam C. and Martha Norman Sowell  
Alvin and Raye Carter Education Scholarship  
Est.1997 by Dale W. Carter and Robert Ira Carter  
Leslie and Faye Beard Scholarship  
Est. 2000 by Paul and June Webb Carter  
Cecil C. Haywood Scholarship  
Est. 2000 by Dr. Ann Haywood, friends and former students  
C. Alton Boyd, Jr. Memorial Scholarship  
Est. 2001 by Barbara Y. Boyd  
Maurice and Minnie Chambers Webb Scholarship  
Est. 2001 by family and friends of Maurice and Minnie  
Chambers Webb  
Dr. Ann Haywood Scholarship

Est. 2002 by Dr. Cecil Haywood, colleagues, friends,  
former students, and family of Dr. Ann Haywood  
Noel Waymon and LaFran H. McDaniel Scholarship  
Est. 2002 by Noel Waymon McDaniel  
Willie Katherine Coody Groce Scholarship  
Est. 2004 by the Willie Katherine Coody Groce Estate  
Loran L. Johnson Endowed Scholarship  
Est. 2005 by Mississippi Marine Corporation and "Loran's  
Boys"  
Randy Risher Fitness Scholarship  
Est. 2006 by Randy Risher  
Leslie Larance Elementary Education Award  
Est. 2006 by family and friends of Leslie Larance

**FOREST RESOURCES**

James M. White Memorial Scholarship  
Est. 1984 by Deltic Timber, its employees and friends  
Russ Reynolds Endowed Scholarship  
Est. 1986 by his family and friends  
Ross Foundation Endowed Scholarship-Forestry  
Est. 1985 by The Ross Foundation  
Henry (Mike) Berg Scholarship  
Est. by his wife, Mrs. Helen D. Berg  
Chamberlin Wildlife Scholarship  
Est. 1996 by Henry H. Chamberlin  
UAM Forestry Alumni Scholarship



Est. 1996 by UAM School of Forest Resources Alumni Sam-  
 uel A. Williams Scholarship  
 Est. 1990 by Sam W. Denison  
 Marvin and Edna Moseley Bankston Scholarship  
 Est. by Bob and Louine Selman Leech  
 George H. Clippert Scholarship  
 Est. 1986 by George and Maxine Clippert  
 O.H. "Doogie" and Patsy Darling Scholarship  
 Est. 1993 by Mr. and Mrs. O. H. Darling  
 Jim Neeley Forestry Scholarship  
 Est. 1986 by Jim and Rachel Neeley  
 John W. White Forestry Scholarship  
 Est. 1986 by the estate of Trannye O. White  
 James A. Hudson Scholarship  
 Est. 1997 by the James A. Hudson Memorial, Inc.  
 John Porter and Mary Sue Price Scholarship  
 Est. 1998 by John Porter and Mary Sue Price  
 Ruth and Wells Moffatt Forestry Scholarship  
 Est. 1997 by Mr. and Mrs. Wells Moffatt  
 Loyal V. Norman Scholarship  
 Est. 1997 by Sam and Martha Norman Sowell  
 Dr. George F. Wynne, Sr. Scholarship  
 Est. 1997 by Mrs. George F. Wynne, Sr.  
 Timothy Ku Scholarship  
 Est. 1996 by Lawrence A. Ku and Albert Ku  
 Robert L. Hixson Memorial Scholarship  
 Est. 2000 by family and friends of Robert L. Hixson  
 Thomas McGill Forestry Scholarship  
 Est. 1999 by Thomas McGill  
 Henry B. Humphry Memorial Scholarship  
 Est. 1998 by family and friends of Henry B. Humphry  
 Randall Leister Scholarship  
 Est. 1999 by friends of Randall Leister  
 Stephen T. Crowley Forestry Scholarship  
 Est. 2001 by Mr. J. H. Hamlen  
 Dale Oliver Forestry Scholarship  
 Est. 2001 by Mr. J. H. Hamlen  
 Kingwood Forestry Scholarship  
 Est. 2000 by Kingwood Forestry Services, Inc.  
 Charles H. Murphy, Jr. Memorial Scholarship  
 Est. 2002 by Deltic Timber Corporation  
 Thomas Robie Scott, Jr. Scholarship  
 Est. 2004 by Opal Scott, Thomas R. Scott III, Michael  
 Robert Scott and Phillip Roland Scott  
 Elwood Shade Forest Resources Scholarship  
 Est. 2006 by Elwood Shade  
 R. Larry Willett Scholarship  
 Est. by friends, colleagues and alumni

#### GENERAL

Lamar Hunter Veterans and National Guard Scholarship  
 Est. 1994 by Dr. and Mrs. Jesse M. Coker  
 Coker Alumni Scholarship  
 Est. 1995 by Dr. and Mrs. Jesse M. Coker  
 Brigadier General Wesley Jacobs Scholarship

Est. 1995 by the Coker Book Account and Dr. and Mrs.  
 Jesse M. Coker  
 C. W. Day Scholarship  
 Est. 1996 by Day Farms, Inc. and the family of C. W. Day  
 Ross Foundation Endowed Scholarship  
 Est. 1985 by The Ross Foundation  
 Frank D. Hickingbotham Scholarship  
 Est. 1997 by Frank D. Higginbotham  
 Lamar Hunter Scholarship  
 Est. 1994 by Richard A. Reinhart  
 Van and Eula Mae Cruce Scholarship  
 Est. 1996 by Mr. and Mrs. Daniel Hornaday  
 James H. and Elva B. Hutchinson Scholarship  
 Est. 1996 by the Dr. James H. Hutchinson Estate  
 Grady and Myrtle Burks Knowles Scholarship  
 Est. 1996 by Mrs. Myrtle Burks Knowles  
 Major Thomas E. Bell, Jr. Scholarship  
 Est. 1996 by Dr. and Mrs. Jesse M. Coker  
 Alumni Association Scholarship  
 Est. 1988 by the UAM Alumni Association  
 Bennie F. Ryburn, Sr. Scholarship  
 Est. 1989 by family and friends of Bennie F. Ryburn, Sr.  
 Cecil McNiece Family Scholarship Fund  
 Est. 2006 by the Cecil McNiece family  
 Dan and Charlotte Hornaday Scholarship  
 Est. 1990 by Mr. and Mrs. Daniel Hornaday  
 Earl and Kathleen Baxter Memorial Scholarship  
 Est. 1991 by Earl and Kathleen Baxter  
 Alumni Achievement and Merit Scholarship  
 Est. 1992 by the recipients of the Alumni Achievement &  
 Merit Award  
 UAM Campus Scholarship  
 Est. 1992 by the UAM Faculty & Staff  
 Robert Orum and Fernandé Vicknair Barrett Scholarship  
 Est. 1993 by the family of Robert Orum and Fernandé  
 Vicknair Barrett  
 James and Nellie McDonald Scholarship in Memory of Michael  
 Stapp  
 Est. 1993 by James and Nellie McDonald  
 Dean and Mrs. James H. Hutchinson Scholarship  
 Est. 1993 by Mr. and Mrs. Charles Jackson  
 Harold J. Green Scholarship  
 Est. 1993 by Harold J. Green  
 Hampton and Minnie Etheridge Scholarship  
 Est. 1993 by the family of Hampton and Minnie Etheridge  
 Joseph Martin Guenter/Sigma Tau Gamma Scholarship  
 Est. 1998 by Sigma Tau Gamma Alumni  
 Paul and Leone Hendrickson Endowed Scholarship  
 Est. 1988 by Mr. and Mrs. Paul G. Hendrickson, Sr.  
 Walter A. and Myrtle Wells Moffatt Scholarship  
 Est. 1994 by Wells and Ruth Moffatt, Walter Moffatt, Minnie  
 May Moffatt and Pattie Moffatt  
 B. R. "Bobby" Brown Scholarship  
 Est. 1997 by B. R. Brown  
 Merle and Deloris Peterson Scholarship

Est. 1986 by Merle and Deloris Peterson  
 Cecil R. Scaife Scholarship  
 Est. 1986 by Sherytha Scaife, LaQuela Scaife, LaRawn Scaife, Joe Scaife, and LaQuita Scaife Smiley  
 D. John Nichols Scholarship  
 Est. 1997 by Mississippi Marine Corporation  
 Paul C. McDonald Memorial Scholarship  
 Est. 1998 by the family of Paul C. McDonald  
 Earl Willis Scholarship  
 Est. 2003 by Drew Central Alumni  
 Simmons First Bank of South Arkansas Scholarship  
 Est. 2002 by Simmons First Bank of South Arkansas  
 Dr. David M. Yocum Family Endowed Scholarship  
 Est. 2002 by the family of Dr. David M. Yocum  
 Classie Jones-Green African American Alumni Scholarship  
 Est. 2006 by friends and family of Classie Jones-Green  
 Willard G. Mears Estate Scholarship  
 Est. 2003 by the Willard G. Mears family  
 UAM Alumni and Friends Endowed Scholarship  
 Est. 2004 by UAM Alumni and Friends  
 Dan and Charlotte Hornaday Residence Life Scholarship  
 Est. 2004 by Mr. and Mrs. Daniel Hornaday  
 Gerald and Sue Majors Endowed Scholarship  
 Est. 2004 by Trinity Foundation  
 Hoyt and Susan Andres Endowed Scholarship  
 Est. 2006 by Mr. and Mrs. Hoyt Andres

**MATHEMATICAL AND NATURAL SCIENCES**

Gregory Alan Devine Memorial Scholarship  
 Est. 1985 by Mr. and Mrs. Marion M. Devine  
 William and Anna Hill Scholarship  
 Est. 1993 by Dr. and Mrs. William Hill  
 James Gordon Culpepper Scholarship  
 Est. 1989 by the School of Mathematical and Natural Sciences, former students and friends of Dr. James Gordon Culpepper  
 Dr. Albert L. Etheridge Scholarship  
 Est. 1992 by the School of Mathematical and Natural Sciences former students, and friends of Dr. Albert L. Etheridge  
 Victoria Ku Scholarship  
 Est. 1995 by the School of Mathematical and Natural Sciences, former students, friends, and family of Dr. Victoria Ku  
 Wilburn C. Hobgood Scholarship  
 Est. 1995 by the School of Mathematical and Natural Sciences, former students and colleagues of Wilburn C. Hobgood  
 Herman C. Steelman Scholarship  
 Est. 1995 by the School of Mathematical and Natural Sciences, former students and colleagues of Herman C. Steelman  
 Miller Sisters Scholarship  
 Est. 1986 by Miss Jessie W. Miller  
 Mathematics and Physics Scholarship  
 Est. 1995 by the alumni, former students, and faculty of

the School of Mathematical and Natural Sciences  
 Jack H. Tharp Scholarship  
 Est. 1997 by Jack H. Tharp  
 Dr. Van C. Binns Scholarship  
 Est. 1999 by the estate of Mrs. Evelyn Binns  
 Jim Huey Scholarship  
 Est. 2004 by family, friends and colleagues of Mr. Jim Huey  
 Dr. Paul Allen Wallick, Sr. Scholarship  
 Est. 2005 by Sherri Wallick Witcher, K. Brian Wallick, Paul Allen Wallick, Jr. and friends  
 Mathematics Scholarship  
 Est. 2006 by anonymous donors

**NURSING**

Anne Wilson Scholarship  
 Est. 1985 by friends and family of Anne Wilson  
 Beard Nursing Scholarship  
 Est. 1993 by Arthur R. and Bettie Beard Pate  
 Iris Sullivan Hipp Nursing Scholarship  
 Est. 1999 by Sally Hipp Austin, Sheila Nichole Austin and Hank E. Williams  
 Dr. Van C. Binns Scholarship  
 Est. 1999 by the estate of Mrs. Evelyn Binns  
 Verna Hobson Cahoon, Elizabeth Coleman Cochran, Cornelia Coleman Wright Scholarship  
 Est. 1999 by their family  
 Virginia M. Ryan Jones Memorial Nursing Scholarship  
 Est. 2006 by family and friends of Virginia M. Ryan Jones

**SOCIAL & BEHAVIORAL SCIENCES**

Dr. Claude H. Babin Scholarship  
 Est. 1993 by Mr. and Mrs. Hunter Babin, and former students, faculty and friends of Dr. Claude H. Babin  
 Benjamin and Jerri Whitten Hobson Scholarship  
 Est. 1999 by the family of Benjamin and Jerri Whitten Hobson  
 G. William and Verna Hobson Cahoon Scholarship  
 Est. 1999 by the family of G. William and Verna Hobson Cahoon

**V. Annual Awards**

An annual award is made from funds received on a regular basis from a donor. The award continues only as long as the donor funds the scholarship.  
 Agriculture–Allied Poultry  
 General–Farmer’s Grain Terminal Award and Jewel Minnis Scholarship  
 UAM College of Technology–Crossett–Lucille Moseley Memorial Scholarship

**VI. Academic Competitiveness Grants (ACG)**

These grants are for undergraduates receiving Pell Grants

who are U.S. citizens enrolled full-time in their first or second academic year of study. First year students must have completed a rigorous secondary school program of study, graduated from high school after January 1, 2006, and have not been previously enrolled in an undergraduate program. Second year students must have completed a rigorous secondary school program of study, graduated from high school after January 1, 2005, and have at least a 3.0 cumulative GPA at the completion of their first year of postsecondary study.

### **VII. Department Of Veterans Affairs Benefits**

Veterans of recent military service and the dependents of certain other servicemen and servicewomen may be entitled to educational assistance payments from the Department of Veterans Affairs. The University is an approved institution in veteran and veteran's beneficiary training.

Veterans of recent military service, widows, or children of those who lost their lives in service or who are now totally disabled as a result of service should contact the nearest Department of Veterans Affairs Regional Office for assistance in securing benefits.

Veterans attending the University as an undergraduate under the G.I. Bill must maintain full-time status (12 semester hours or more) to be eligible for full benefits. Veterans should be aware that dropping a class during the term might affect benefits. Veterans may not repeat a course in which a passing grade was made and receive benefits for that course. Veterans should contact the VA Clerk in the Office of the Registrar at (870) 460-1034 for assistance in filing for benefits.

### **VIII. National SMART Grant**

These grants are for undergraduates receiving Pell Grants who are U.S. citizens enrolled full-time in their third or fourth academic year of an eligible degree program. Recipients must be majoring in physical, life, or computer sciences, engineering, technology, mathematics or a critical-need foreign language and have at least a 3.0 cumulative GPA.



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## Student Services





## Division of Student Affairs

### Monticello Campus

Location: Gibson University Center  
Telephone: (870) 460-1053 / Fax: (870) 460-1653  
Mailing Address: P. O. Box 3459, Monticello, AR 71656  
Email: browncl@uamont.edu  
Website: <http://www.uamont.edu/StudentAffairs>

### College of Technology-Crossett

Location: Office of Student Services  
Telephone: (870) 364-6414 / Fax: (870) 364-5707  
Home Page: <http://www.uamont.edu>  
Mailing Address: 1326 Highway 52 West, Crossett, AR 71635  
Email: rushingl@uamont.edu

### College of Technology-McGehee

Location: Office of Student Services  
Telephone: (870) 222-5360  
Fax: (870) 222-1105  
Home Page: <http://www.uamont.edu>  
Mailing Address: P. O. Box 747, McGehee, AR 71654  
Email: rocconi@uamont.edu

The Office of Student Affairs is one of the areas designed to assist students from their first year through graduation. The Student Affairs staff is committed to building community among the students who have chosen to study at the University of Arkansas at Monticello.

The primary function of the Office of Student Affairs is to provide information about university policies that affect students, administer the student judicial system, and make referrals to campus services. The office serves as a liaison with faculty and other administrative offices on behalf of students.

## Office of Admissions

### Monticello Campus

Location: Harris Hall, Room 120  
Telephone: (870) 460-1026;  
(Outside Monticello, toll free 1-800-844-1826)  
Fax: (870) 460-1926  
Home Page: <http://www.uamont.edu/Admissions>  
Mailing Address: P. O. Box 3600, Monticello, AR 71656  
Email: whitingm@uamont.edu

### College of Technology-Crossett

Location: Office of Student Services  
Telephone: (870) 364-6414  
Fax: (870) 364-5707  
Home Page: <http://www.uamont.edu>  
Mailing Address: 1326 Highway 52 West, Crossett, AR 71635  
Email: rushingl@uamont.edu

### College of Technology-McGehee

Location: Office of Student Services  
Telephone: (870) 222-5360 / Fax: (870) 222-1105  
Home Page: <http://www.uamont.edu>  
Mailing Address: P. O. Box 747, McGehee, AR 71654  
Email: rocconi@uamont.edu

Any student seeking information regarding admission to the University of Arkansas at Monticello should contact the Office of Admissions. Required admission documentation should be submitted well before each semester or term begins.

The Office of Admissions also provides services to guide new students in their transition to higher education. The process begins with pre-registration when students receive academic advising, register for classes, and are introduced to campus services. Parents are invited to attend pre-registration sessions and participate in special programs designed for parents.

Orientation promotes the development of positive relationships with faculty, staff, and peers while simultaneously providing information about academic policies, procedures, student services, and student life.

Prospective students are encouraged to visit campus when the University is in session. Campus tours and meetings with academic units, financial aid, or residence life are easily arranged for any University of Monticello campus through the Office of Admissions.

## Career Services Office

Location: Harris Hall, Room 201, Monticello  
Telephone: (870) 460-1454 / Fax: (870) 460-1354  
Mailing Address: P. O. Box 3458, Monticello, AR 71656  
Email: hughesl@uamont.edu

The central purpose of Career Services is to help students prepare for academic and career success. Freshmen and sophomores are assisted with career assessment, values clarification, and occupational data to help them make informed choices of academic majors or vocational discernment. Juniors are provided opportunities for experiential learning (internships) and discovering the relationship of acquired skills to the broader work world. Career Services helps prepare graduating seniors to be successful candidates by assisting in the translation of academic and co-curricular experiences into successful job campaigns or graduate school applications.

Specific services include:

- DISCOVER - A computerized career exploration program
- The Self-Directed Search - an interest inventory
- The MBTI - a personality assessment
- Credential Files
- Internship resources
- Workshops on topics including choosing an academic major to job search strategies
- A career resource library
- Job listings for both part-time and full-time positions and internships
- On-campus recruiting
- Annual Career Fair
- World Wide Web home page with a directory of career and employment sites

Students can also receive assistance developing their career goals, writing resumes and cover letters, learning job search strategies, and developing interview skills.

## Counseling and Testing Services

Location: Harris Hall, Room 201, Monticello  
 Telephone: (870) 460-1454 / Fax: (870) 460-1354  
 Mailing Address: P. O. Box 3458, Monticello, AR 71656  
 Email: hughesl@uamont.edu

### College of Technology at McGehee

Telephone: (870) 222-5360  
 Mailing Address: P. O. Box 747, McGehee, AR 71654

### College of Technology at Crossett

Telephone: (870) 364-6414  
 Mailing Address: 1326 Highway 52 West, Crossett, AR 71635  
 Email: tuckerl@uamont.edu

The Counseling and Testing Services office provides a wide variety of specialized counseling and testing services to prospective and current UAM students. All services are free and confidential in nature. Appointments can be made in person from 8 a.m. to 4:30 p.m. Monday through Friday or by using the contact information indicated above. Drop-in counseling is generally available to accommodate students in crisis or emergency situations or for short consultations.

### Educational Counseling

Educational counseling is available to help students plan and make decisions concerning their college education. The Counseling and Testing Services office provides workshops and individual assistance each semester to assist students with study skills, test anxiety, time management, stress management, and other student success skills.

### Personal Counseling

The Counseling and Testing Services office provides a full range of personal and support services that promote the personal, academic, and psychological well being of students. A trained, full-time counselor is available to any UAM student to discuss issues from test anxiety to emotional adjustment. The office also provides referrals to local mental health agencies for crisis situations and long-term treatment.

### Testing Services

Students are offered the opportunity to take many national tests such as ACT, CLEP, PRAXIS, and SAT. Aptitude and interest inventories are administered. Testing arrangements for entrance exams (ASSET, COMPASS), correspondence or on-line exams are scheduled through Testing Services. Applications, registration bulletins and brochures listing tests, dates, and costs are available in the Counseling and Testing Services office.

## Food Service

Location: Gibson University Center, Monticello  
 Telephone: (870) 460-1076  
 Mailing Address: P. O. Box 3064, Monticello, AR 71656  
 Email: kremerscharles@aramark.com

The food service contracted by the University provides meals for campus residents and other students, faculty, and guests. The cafeteria, located on the upper floor of the University Center of the Monticello campus, is open for every meal while school is in session except breakfast on Saturday and Sunday. At each noon and evening meal students are provided a variety of entrees and a salad bar that includes a wide selection of vegetables. The adjacent Patio Café in the University Center is available for lighter meals or snacks. Java City, located on the first floor of the Taylor Library and Technology Center, offers a variety of flavored coffees and pastries and serves as a gathering place for students.

## Gibson University Center

Telephone: (870) 460-1053 / Fax: (870) 460-1653  
 Mailing Address: P. O. Box 3459, Monticello, AR 71656

The Gibson University Center, located on the Monticello campus, is a multipurpose building with a variety of facilities including meeting spaces, eating places, and recreation areas including the University dining hall, the Patio Café, a gymnasium, racquetball courts, a free weight room, and an exercise center complete with circuit training equipment and cardiovascular machines. In addition, the University Center (UC) is home to the Student Health Office, the Office of Student Programs and Activities, and the Office of Intramurals/Recreation. Conference facilities such as the Capitol Room, Caucus Room, and Green Room are open to the campus community. The Office of Student Affairs, an integral part of the University administration, is also located in the University Center.

## Intramurals and Recreation

Location: Gibson University Center (UC), Monticello  
 Telephone: (870) 460-1046 / Fax: (870) 460-1653  
 Mailing Address: P. O. Box 3459, Monticello, AR 71656  
 Email: gentry@uamont.edu  
 Website: <http://www.uamont.edu/StudentAffairs/Intramurals/home.htm>

The Intramurals and Recreation Program is a vital part of campus life at the University. Individuals and teams participate in a wide variety of competitive sports and special events. Intramurals encourage cooperation, good sportsmanship, and physical fitness.

For those students, faculty, and staff interested in pursuing less organized recreational activities, the UC recreation areas (multipurpose gymnasium, free weight room, and racquetball/wallyball courts) and the University swimming pool maintain open recreation hours for drop-in use. Sand volleyball courts, horseshoe pits, tennis courts, disc golf course, basketball goals, and intramural playing fields provide ample opportunity for outdoor recreation.

Participation in intramural sports and recreation programs is completely voluntary. It is strongly recommended that all participants have a complete physical examination and accident insurance prior to participation.

The Intramural and Recreation Program employs a large number of students through the work study program.

## Office of Public Safety

Location: 284 University Drive, Monticello  
Telephone: (870) 460-1083  
Emergency Telephone: Ext. 1000 (on campus) or (870) 460-1000  
Fax: (870) 460-1983  
Mailing Address: P. O. Box 2041, Monticello, AR 71656  
E-Mail: [publicsafety@uamont.edu](mailto:publicsafety@uamont.edu)

Motor vehicle operations on campus are defined by the Campus Parking and Traffic Committee and are set forth in a brochure available to all persons on campus or visiting the campus. The Parking Brochure is available from the Office of Public Safety and during registration of students and vehicles. These regulations are in accordance with campus requirements and state motor vehicle laws.

All vehicles used on campus must be registered for the academic period in which they are used. Fines and fees are assessed by the Cashier's Office located in Harris Hall. Vehicles being used for only a short period of time on campus may receive a temporary parking sticker at the Office of Public Safety. All faculty, staff, and students are required to register their vehicles. Visitors to the campus should identify themselves to the Department of Public Safety upon their campus arrival to receive a temporary visitor's pass.

## Office of Residence Life

Location: Harris Hall, Room 214, Monticello  
Telephone: (870) 460-1045 / Fax: (870) 460-1810  
Mailing Address: P. O. Box 3466, Monticello, AR 71656-3466  
Email: [reslife@uamont.edu](mailto:reslife@uamont.edu)  
Website: <http://www.uamont.edu/ResLife/>

The Residence Life program at the University strives to provide more than just a room in its residence halls. Today's residence halls are places where life experiences are integrated with the total University educational program.

Students spend a great deal of time in their residence hall. Their experiences in the residence halls can have a major impact on academic performance and overall personal growth. Through hall governance, intramural sports, educational workshops, and other activities, the University strives to meet students' diverse needs by making the residence hall a living-learning experience. Resident Assistants (RAs), under the direction of Graduate Assistants (GAs), help residents adjust to the college environment and college life. RAs are available as sources of information about the University and its policies, serve as community builders to insure that the hall provides an atmosphere conducive to study, and provide a listening ear to those who simply need to talk. RAs also strive to involve students in residence hall and campus community programs.

**Bankston Hall.** An all-male residence hall serving 284 students, Bankston houses both first-year and upper-class students. Single occupancy rooms are available on a first-come first-serve basis to students who reside on the 2nd and 3rd floors. The 3rd floor is designated as a quiet floor. Lounges, game rooms, laundry facilities and vending machines are available for students' use. The following amenities are included in the rent: utilities, trash pick up, basic cable, Internet access, local phone service, and water. Free in-hall tutoring is scheduled.

**Royer Hall.** Royer Hall, an all-female hall, is home to 145 students. Single occupancy rooms may be available to students on a first come first serve basis depending on availability. A large lobby/study area, laundry facilities, and a vending area are available on each floor. The third floor is designated as a quiet floor. The following amenities are included in the rent: utilities, trash pick up, basic cable, Internet access, local phone service, and water. Free in-hall tutoring is scheduled.

**Maxwell Hall.** Maxwell Hall is a residence hall for both male and female students. The two-story building, which houses 124 students, offers suite-style living with a bathroom shared by two rooms. A study room and television lounge, laundry facilities and vending area are provided for all Maxwell residents. The following amenities are included in the rent: utilities, trash pick up, basic cable, Internet access, local phone service, and water.

**Horsfall Hall.** This three-story female residence hall houses 124 students. Single occupancy rooms may be available to students on a first come first serve basis depending on availability. A lounge with microwave, laundry facilities and vending area are available. Other amenities include: lounges, study rooms, and in-hall tutoring. The 3rd floor is designated as a quiet floor. The following amenities are included in the rent: utilities, trash pick up, basic cable, Internet access, local phone service, and water.

**University Apartments.** University Apartments comprise two co-residential buildings housing 48 students each and offer a comfortable living transition from the residence halls to independent living. Both freshmen and upper-class students are eligible to live in the University Apartments. The two-bedroom apartments are completely furnished and are a short walk from major classroom buildings. Laundry facilities are centrally located in each building. The following amenities are included in the rent: utilities, trash pick up, basic cable, Internet access, local phone service, and water.

**Family Housing.** The University provides housing for full-time students with families. These apartments are available to married couples and single parents who have dependent children living with them; a maximum of three people per apartment is allowed. Pets are not allowed. The 23 unfurnished apartments are located north of the Steelman Fieldhouse. These apartments have a living room, kitchen-dining area, bath, and one bedroom. Refrigerators and stoves are not provided. Electric or gas ranges can be used in the apartments.

### Eligibility for Housing

A student living in a residence hall must be a student enrolled in a minimum of nine hours per fall or spring semester or three hours per summer term. Students enrolled on any campus of the University of Arkansas at Monticello are eligible for housing. Exceptions to this policy may be granted through the Director of Residence Life. Applications/contracts for housing and more specific information are available from the Office of Residence Life.

## Student Health Program

Location: Gibson University Center, Monticello  
Telephone: (870) 460-1051 / Fax: (870) 460-1653  
Mailing Address: P. O. Box 3459, Monticello, AR 71656  
Email: [richardson@uamont.edu](mailto:richardson@uamont.edu)

The Student Health Nurse is directly responsible for the administration of the Student Health Program at the University of Arkansas at Monticello. This program includes first aid, a variety of non-prescription medications, emergency services, and general health advice. In addition, referrals may be made to local agencies as necessary. The Student Health Program also features an Exercise Center available for students, faculty, and staff.

## Student Programs and Activities

Location: Gibson University Center, Monticello  
Telephone: (870) 460-1396  
Fax: (870) 460-1653  
Mailing Address: P. O. Box 3459, Monticello, AR 71656  
Email: kight@uamont.edu

The co-curricular experience plays a critical role in the development of students at the University. With a wide variety of programs, activities, and over 60 student organizations available, UAM students are able to take an active, hands-on approach to learning life skills. These opportunities encourage student participation to experience various cultures and entertainment events and promote the maturation of students. In addition, the University offers a series of special events and programs for students including Homecoming, Spirit Week, Greek Week, cultural awareness and diversity programs, concerts, comedians, leadership development, and community service projects. Many of these activities are planned and coordinated by the Student Activities Board (SAB) and Student Government Association (SGA).

## Special Student Services

Location: Harris Hall, Room 120, Monticello  
Telephone: (870) 460-1026 / TDD: (870) 460-1726  
Fax: (870) 460-1926  
Mailing Address: P. O. Box 3600, Monticello, AR 71656  
Email: whitingm@uamont.edu

## College of Technology at Crossett

Telephone: (870) 364-6414 / Fax: (870) 364-5707  
Mailing Address: 1326 Highway 52 West, Crossett, AR 71635  
Email: carter@uamont.edu

## College of Technology at McGehee

Telephone: (870) 222-5360 / Fax: (870) 222-1105  
Mailing Address: P. O. Box 747, McGehee, AR 71654  
Email: rocconi@uamont.edu

The University ensures that students with disabilities are given the same rights and services as other students at the University. Classrooms, administrative, and recreational facilities are accessible. For specific campus information regarding disability accommodations, please contact the Director of Special Student Services at the numbers indicated above.

## Student Support Services

Location: Harris Hall, Room 219, Monticello  
Telephone: (870) 460-1054  
Fax: (870) 460-1354  
Mailing Address: P. O. Box 3458, Monticello, AR 71656  
Email: gateway@uamont.edu



Gateway Student Support Services (SSS), a federally-funded program sponsored by the U.S. Department of Education, is designed to provide first generation, low income, and disabled students with adequate support to stay in college until they earn their baccalaureate degree while gaining the knowledge and skills necessary to pursue a full range of academic and career options. Gateway SSS offers tutoring, college level study skills instruction, advising/counseling, peer mentoring, computer literacy, career and educational planning, cultural enrichment and graduate school preparation to eligible students at no cost. The Academic Resource Lab offers the most recent educational technology including Internet access, interactive tutorials for reading, writing, and math skills development.

## Tutoring Center

Location: Harris Hall, Third floor, Monticello  
Telephone: (870) 460-1454 / Fax: (870) 460-1354  
Mailing Address: P. O. 3458, Monticello, AR 71656  
Email: hughesl@uamont.edu

The Tutoring Center provides drop-in tutoring support, residence hall tutoring, study skills lab and academic workshops to students seeking academic assistance. The Tutoring Center assists students in becoming independent learners who function successfully in the academic environment and achieve his or her academic goals. Tutoring is provided free to individuals and small groups in almost all subject areas. Self-study computer programs and assessments as well as supplemental resource books and software are available.

## Upward Bound

Location: Harris Hall, Room 327, Monticello  
Telephone: (870) 460-1010 / Fax: (870) 460-1909  
Mailing Address: P. O. Box 3629, Monticello, AR 71656  
Email: jamesr@uamont.edu

The Upward Bound program, a federally-funded program sponsored by the U.S. Department of Education, is designed to increase motivation, raise educational aspirations, and provide basic academic skills which will enable program participants to enter and succeed in a postsecondary institution.

High school students from five counties in southeast Arkansas come to the University campus 26 times during the academic school year and live on campus for six weeks during the summer. The program provides the students with basic skills instruction in English, science, mathematics, reading, and study skills. Upward Bound also offers the students tutoring, counseling in personal, academic, and career areas and provides cultural and recreational activities.

## Youth Opportunities Unlimited (Y.O.U.)

### Summer Program for at-risk youth

Location: Harris Hall, Room 328, Monticello  
Telephone: (870) 460-1910 / Fax: (870) 460-1354  
Mailing Address: P. O. Box 3094, Monticello, AR 71656  
Email: you@uamont.edu

Y.O.U. is a residential summer school and work program for youth aged 14-16. The program is designed to encourage students

to graduate from high school. For additional information, please contact the Y.O.U. Coordinator at (870) 460-1154.

## Conduct Code

As a public institution of higher learning, the University of Arkansas at Monticello has as part of its mission to search for truth and understanding, and to strengthen students capabilities as thoughtful contributors to society. This mission is partially fulfilled by encouraging and assisting students to take personal responsibility for their actions and to learn to be productive members of society. It is the purpose of the University Judicial System to foster a supportive climate by protecting the community from behavior that is destructive to the living, learning, and teaching environment of the University.

The Code of Conduct has been established to ensure the rights and privileges of all members of the University community, to communicate the expectations of the community to its members and to provide a basis for orderly conduct of the affairs of the University. As such, each student must act in a manner consistent with the mission of the University including off-campus conduct that is likely to have an adverse effect on the UAM educational process.

Thus, each student is expected to be fully acquainted with and comply with all policies, rules, and regulations of the University published in this document, the University Catalog, and any other university sponsored publication. In addition, all students are expected to comply with all local, state and federal laws. No person or group of persons acting in concert may willfully violate the rules provided below. Specific examples of misconduct for which a student may be subject to disciplinary action include, but are not limited to, the following:

### Academic Code Violations

1. **Cheating:** The possession, receipt, use, solicitation, or furnishing of unauthorized aid in an academic endeavor. Cheating is considered an academic violation and is adjudicated under the provisions for Academic Conduct Code Violations.

2. **Plagiarism:** The use of ideas or thoughts of another, which are not common knowledge, without acknowledging the source(s), or, when applicable, identifying direct quotations. Plagiarism is considered an academic violation and is adjudicated under the provisions for Academic Conduct Code Violations.

Cheating and plagiarism are academic violations and are adjudicated through the Academic Violation Process below:

A. An instructor who suspects a student is guilty of cheating or plagiarism within the instructor's class must inform the student of this suspicion and provide the student an opportunity to respond to the accusations.

B. An instructor who believes a student is guilty of cheating or plagiarism within the instructor's class may take any of the following actions: (1) issue a warning to the student; (2) lower the grade awarded to the student for the paper or test; (3) require the student to retake the test or rewrite the paper; (4) award no credit for the paper or test; (5) withdraw the student from the course; (6)

award the student a failing grade for the course.

C. A student who received any of the above actions who feels this action is unjust may appeal the instructor's decision as addressed in the academic appeals process. This appeal procedure must begin within ten (10) class days of receiving written or oral notice of the action.

### Non-Academic Code Violations

1. **Misuse of Documents:** Misuse, forgery, alteration, possession, and/or duplication of University documents is prohibited. University documents include, but are not limited to, test scores, transcripts, scan forms, academic drop/add forms, academic withdrawal forms, residence hall contracts/forms, or student identification (ID) cards.

2. **Identity Theft/Fraud:** Participation in, encouraging, or serving as an accomplice in identity theft/fraud is strictly prohibited. Identity theft/fraud includes, but is not limited to, theft of Social Security number/student identification number, driver's license number, credit card number(s), bank account number(s), bank statements, U.S. mail, campus mail, electronic mail, telephone calling card number(s), or other personal/student data.

3. **Theft/Stealing:** Unauthorized appropriation or possession of the property of another. Theft, attempted theft, possession, sale or barter of property of the University, or a member of the University community, or a campus visitor is strictly prohibited. Theft of University signage, furniture, equipment, or any other University property is considered a serious offense and can result in immediate suspension or expulsion.

4. **Damage to property:** Damage to property of the University or property of any member of the University community.

5. **Camera phones.** The use of camera cellular telephones to send digital images of another person from such facilities as restrooms, showers, and locker/changing rooms is strictly prohibited.

6. **Alcohol and Illicit Drugs:** Possession, use, manufacture, or distribution of alcohol or drugs is prohibited. Any student possessing a felony amount of drugs, selling drugs or having the intent to sell drugs on University or University controlled property will be expelled from the University.

7. **Disorderly Conduct:** Any behavior which disrupts the regular or normal functions of the University community, including behavior that breaches the peace or violates the rights of others. Disorderly conduct includes, but is not limited to, violent, noisy, or drunken behavior, and/or the use of abusive or obscene language on university- controlled property or while representing the University, or attending a university function. Any verbal abuse, physical abuse or endangerment may result in expulsion from the University of Arkansas at Monticello.

8. **Disrupting the peace and good order of the University** including, but not limited to, fighting quarreling, inciting to riot, or other disruptive behaviors.

9. **Failure to Comply with Directions of a University Official** (including those appointed or elected to act on behalf of the University acting under the provisions of the Student Conduct Code or in the performance of their duties).

10. **Infringements on the rights of students, faculty, staff, or other authorized personnel to gain access to any university facility**

for the purpose of attending class, participating in an interview, university conference, or any other university activities.

11. **Threats:** Terroristic threats, false alarms or reports where the person initiates, communicates, or circulates a report of a present, past, or future bombing, fire, offense, or other emergency that is known as false or baseless and could result in required action by an official or volunteer agency organized to address such emergencies; or interrupts the occupation of a building, office, classroom or residence hall room. A Terroristic threat of any nature is considered a severe offense and may result in expulsion from the University of Arkansas at Monticello.

12. **Misuse of Fire Equipment:** Misuse of fire extinguishers or any other fire or safety equipment including disabling or removing smoke detectors or fire alarms in any University facility including residence hall rooms, University Apartments, and family housing.

13. **Lewd, Indecent or Obscene Behavior:** Behavior that is lewd, indecent or obscene will not be permitted in University buildings including, but not limited to, private behavior in residence hall room/apartments/common spaces, student organization spaces, or public behavior in public performances in any University or University controlled facility.

14. **Failure to Meet Financial Obligations to the University:** Knowingly presenting an insufficient check or forging a document in payment to the University or to a member of the University community acting in an official capacity, or failure to make satisfactory arrangements for the settling of accounts with the University.

15. **Furnishing False Information:** To tender information which is false or untrue to the University for its official use including, but not limited to: misrepresentation of mailing address, test scores, citizenship, and transcript work.

16. **Responsibility for Student Guests:** Students are responsible for informing their guests, student and non-student, of University policies and will be held responsible for the behavior of their guests. A guest is defined as (1) any person who is present at the invitation of a student, or (2) any person who is received by a student, or (3) any invited or uninvited individual who is accompanied by a student. All guests must be registered with the appropriate University office and official.

17. **Weapons, Firearms, and Explosives:** The unauthorized use, possession, or distribution of fireworks, firearms, ammunition, dangerous chemicals, explosive materials, or devices capable of casting a projectile (e.g., bows) or other lethal weapons is strictly prohibited and constitutes a federal offense. The Department of Public Safety will store firearms, bows, and other weapons specifically designed for hunting purposes.

18. **Verbal Abuse:** Verbal abuse is the use of obscene, profane or derogatory language which abuses or defames another. Verbal abuse of any UAM faculty/staff member, or any campus visitor, may result in immediate expulsion from the University of Arkansas at Monticello.

19. **Harassment:** Harassment is the act of an individual or group of individuals threatening, in person, by telephone, in writing, electronically, or by other means, to take an unlawful action against any person. Harassment includes any reckless action that

annoys or alarms the recipient or is intended to annoy or alarm the recipient. Harassment includes, but is not limited to, racial and sexual harassment, attempting or threatening to strike, kick or otherwise subject another person to physical contact; making an offensive coarse utterance, gesture or display; addressing abusive language to any person, following a person in or about a public place or places or engaging in a course of conduct or repeatedly committing acts that alarm or seriously annoy another person.

20. **Threat of Physical Abuse or Endangerment:** A threat of physical abuse is the expression of intent to endanger the health or safety of any person on the UAM Campus. The threat of physical abuse or endangerment made towards any UAM faculty/staff member, or any campus visitor may result in immediate expulsion from the University of Arkansas at Monticello.

21. **Physical Abuse or Endangerment:** Physical abuse or endangerment is any act which imperils or jeopardizes the health or safety of any student, faculty, staff or visitor on the Campus. Physical abuse or endangerment of any UAM faculty/staff member, or any campus visitor will result in immediate expulsion for the University of Arkansas at Monticello.

22. **Climbing on University Structures:** Climbing, rappelling or any related activity is prohibited on University structures. Accesses to roofs and activity on roofs of University structures are permitted only if approval for such activity is received from the Assistant Vice Chancellor for Student Affairs/Dean of Students.

23. **Violation of policy relating to electronic network facilities** such as local area networks, e-mail, and the Internet.

24. **Unauthorized use or entry into any University facility** and/or unauthorized possession of keys to any University facility including, but not limited to, allowing any unauthorized individual into a building or the sharing of keys to a University facility.

25. **Violations of other University Regulations:** Violations of University regulations contained in official publications or notices are prohibited.

26. **Violations of Local, State and/or Federal Laws on the University Campus** is prohibited. Violations of such laws at an off-campus location that results in damage to or imposes possible endangerment to the institution, its property, faculty, staff or students, may be subject to the University Judicial Code.

## Disciplinary Sanctions for Violations of Codes of Conduct

Disciplinary sanctions within the UAM Judicial System to which students are subjected include, but are not limited to, the following:

1. **Warning:** Notice, oral or written, that a specific behavior or a series of actions is unacceptable to the point that repetition would most likely result in more serious disciplinary action, such as probation or suspension. The student is officially warned that further unacceptable behavior will result in more serious action;

2. **Counseling:** Establish a series of private conferences between the student and a counselor in order to assist the student in meeting behavioral expectations of the University and to meet his/her individual needs in academic and/or personal development;

3. **Educational Sanction:** Task or service that benefits the individual, campus or community;

4. **Reprimand:** Written notice to the student that continuation or repetition of specified conduct may be cause for additional disciplinary action;

5. **Restitution:** Compensating the University or other injured parties including faculty, staff, of students for damaged, lost or destroyed property;

6. **Conduct Probation:** Disciplinary action(s) taken as a result of conduct conflicting with University regulations that could include a reprimand, suspension from residence hall activities and/or loss of visiting privileges to other halls or the right to receive guests. This probation is to be for a specific period of time;

7. **Residential Housing Sanctions:** Penalty involving: (a) housing relocation, (b) restriction of hall privileges, (c) removal from University Housing;

8. **Disciplinary Probation:** Loss of specifically designated privileges, which may include, but are not limited to: holding any elected or appointed student office, appointment to a University Committee, pledging or being initiated into a campus organization, participating in any intercollegiate event or contest, denial of campus recreation facilities, participation in intramurals, use of a motor vehicle on campus and/or living in University housing;

9. **Fine:** Monetary fine levied against the student;

10. **Suspension:** Student's behavior is unacceptable to the extent that it reflects unfavorably upon character, judgment, and maturity, and/or harmful to the well-being of the student body and the University, the student may be suspended from the University:

a. **Active Suspension:** The student is separated from the University and must leave the campus for a specified period of time after which the student is eligible to petition for readmission. The Assistant Vice Chancellor for Student Affairs is to be notified when a student requests readmission.

b. **Immediate suspension:** A student is subject to instantaneous suspension pending an official disciplinary hearing when conduct jeopardizes the safety of the student, other members of the university community, and/or institutional property. A hearing will be scheduled as soon as possible, but no later than five (5) calendar days after the immediate suspension.

11. **Expulsion:** Permanent severance of the student's relationship with the University whereby the student may not return and his/her enrollment is canceled. If a student is expelled, he/she must leave campus immediately and is required to fulfill his/her financial responsibility to the University and may forfeit any deposits and/or refunds.

12. **Loss of Access:** Any student who has been separated from the University by suspension or expulsion as a result of disciplinary action shall be denied the privileges of the University and of University organizations during the period of such expulsion or suspension. Such students shall not be permitted to participate in any University-recognized function or stay in any residence hall or other university housing.

13. **Ban from Campus or Facilities:** A non-student may be banned from campus for an indefinite or specified period of

time. A student may be banned from specified campus facilities, including residence halls, and is subject to arrest and/or further disciplinary action if the ban is violated.

## Judicial Authority/Procedures

The University reserves the right to take necessary and appropriate action for on- and off- campus behaviors, to protect the safety and well-being of the campus community. Such action may include, but is not limited to, the immediate removal of a student from the campus premises. The authority for such decisions rests with the Vice Chancellor for Student Affairs.

The rules and regulations described within this catalog apply to all conduct on University owned, controlled or operated property, and at all University-sponsored functions. Charges or conflicts resulting from off-campus violations of local, state, or federal law will not result in disciplinary action by the University unless the violation occurred at a University-sponsored function or it is determined that full disciplinary action is essential to the protection of other members of the University community or to the safeguarding of the educational process. For violations originating within the residence halls, the Vice Chancellor for Student Affairs will determine (upon initial investigation of the offense) if the appropriate sanction might be harsher than Conduct Probation. If not, then the Residence Hall Judicial Board hearing option is used. If so, the case is referred to the Vice Chancellor for Student Affairs for adjudication.

For a violation occurring outside the residence halls, the Vice Chancellor for Student Affairs or University Judicial Board has jurisdiction.

The University of Arkansas at Monticello reserves the right to record all judicial board hearings in order to provide an accurate review of the case should an appeal be granted or verification of facts are needed.

If criminal authorities are considering a case, UAM discipline procedures continue as usual, since criminal proceedings and UAM procedures are unrelated events.

## Discipline System Structure

Charges of student misconduct may be brought to the attention of any Residence Life staff member (if the violation occurred in a residence hall) or the Vice Chancellor for Student Affairs. A preliminary investigation will be conducted to determine if judicial action is required or appropriate. The Vice Chancellor for Student Affairs will also determine the severity of the offense. If the offense is likely to result in a sanction beyond the scope of the Residence Hall Judicial Board, the case is referred to the Vice Chancellor for Student Affairs.

If judicial action is deemed appropriate, the Vice Chancellor for Student Affairs or a professional staff member of the Office of Residence Life will notify the student within fifteen (15) class days after the alleged violation, or fifteen (15) class days after the individual has been identified as the alleged violator, that he or she has the option of an administrative hearing or a judicial board hearing. Once this decision is made, the student is given notice of the

hearing at least 48 hours (24 hours for residence hall cases) prior to the hearing.

### Administrative Hearing Procedures

Students may choose the option of being heard by an appointed judicial officer on the residence hall professional staff rather than the Residence Hall Judicial Board or by the Vice Chancellor for Student Affairs rather than the University Judicial Board.

The Hearing Officer may use less formal proceedings than the judicial board but notification and recording procedures must be observed, and the accused student must be given a fair opportunity to present his/her case.

## Judicial Board Composition

### Residence Hall Judicial Board

The Residence Hall Judicial Board consists of four students and one professional staff member of the Office of Residence Life. Student members are recommended by the Residence Hall Association (RHA) and approved by the Vice Chancellor for Student Affairs. One student serving on the Residence Hall Judicial Board may be a Resident Assistant. However, the Resident Assistant serving on the board may not be a staff member in the building where the violation allegedly occurred.

The Vice Chancellor of Student Affairs appoints the residence life professional staff member to serve on the Residence Hall Judicial Board. The quorum for the Residence Life Judicial Board will be two students and the one professional staff member. More limited quorums may be assembled in special circumstances with the agreement of the accused.

### University Judicial Board

The University Judicial Board consists of thirteen persons who are to be as representative of the University community as possible. Two members serve as chairpersons. Seven members are faculty and staff; six members are UAM students. Faculty and staff members are appointed by the Chancellor of the University and serve a one-year term.

Student members are appointed by the Student Government Association in conjunction with the Vice Chancellor for Student Affairs and are approved by the Chancellor of the University. Student members serve a one-year term.

The quorum for the University Judicial Board will be four board members. These four members will include a minimum of two faculty/staff members and two students. More limited quorums may be assembled in special circumstances with the agreement of the accused.

## Alumni Affairs

Location: Administration Building 104, Monticello  
Telephone: (870) 460-1028 / Fax: (870) 460-1324  
Mailing Address: P. O. Box 3519, Monticello, AR 71656

The Alumni Office maintains contact with alumni and former students and enhances the growth and development of individuals as well as the institution through a positive relationship.



The Alumni Office is vigilant in the maintenance of its alumni/former student records, enhancing the opportunity to establish a long-term, mutually beneficial rapport. The Alumni Office seeks to create an enduring spirit of goodwill with former students. This clearly provides a service to alumni/former students in general; but more specifically the Alumni Office works to serve currently enrolled students as they seek ways and opportunities to benefit from the experience and wisdom of our University constituency.

## Intercollegiate Athletics

Location: Steelman Fieldhouse, Monticello  
Telephone: (870) 460-1058 / Fax: (870) 460-1458  
Mailing Address: P. O. Box 3066, Monticello, AR 71656  
Website: <http://www.uamsports.com/>

Intercollegiate athletics provide additional experience for those with special interests and skills in competitive sports. Objectives of the programs are in keeping with the total education program. The University of Arkansas at Monticello offers sports for men (football, basketball, baseball, golf, cross country, and rodeo) and sports for women (basketball, softball, tennis, cross-country, volleyball, and rodeo).

The University is a member of the Gulf South Conference, the National Collegiate Athletic Association, and the National Intercollegiate Rodeo Association and adheres to the rules and regulations of those organizations.

## Media Services

Location: Jeter Hall, Monticello  
Telephone: (870) 460-1074 / Fax: (870) 460-1174  
Mailing Address: P. O. Box 3589, Monticello, AR 71656  
Email: [brewer@uamont.edu](mailto:brewer@uamont.edu)

The Office of Media Services serves as the official campus liaison with the news media and general public. All news releases, feature articles, and photographs concerning all facets of campus life are produced by the Media Services office. This office also produces all publications, brochures, and newsletters for various UAM offices and academic units.



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# Academic Regulations



## Changes in University Regulations

The University of Arkansas at Monticello reserves the right to change the fees, rules, and calendar that regulate admission and registration, instruction, and graduation from the University. The University further reserves the right to change any other regulations affecting the student body. Changes shall become effective whenever proper authorities determine and shall apply not only to prospective students but also to those currently enrolled in the University.

## Academic Sessions

The academic year includes two regular semesters in the fall and spring and a summer session of two terms. The fall semester begins in late August and concludes prior to the Christmas holiday. The spring semester begins in early January and concludes in mid-May. The two summer terms are normally scheduled between June 1 and August 15.

## Academic Credit

The University operates on a semester calendar. One hour of credit represents an amount of work equivalent to one 50-minute lecture each week for a minimum of 15 weeks. From two to three hours of laboratory work constitute the equivalent of one hour of lecture.

## Classification

Students are classified at the beginning of each semester based upon accumulated semester-hours of credit earned. Students who have earned fewer than 30 credits are classified as freshmen; sophomores have earned at least 30 credits; juniors at least 60 credits; and seniors at least 90 credits.

## Grading System

Grade	Meaning of Grade	Value in Grade Points
A	Outstanding	4
B	Good	3
C	Average	2
D	Passing	*1
F	Unsatisfactory Work, or Withdraw - Failing	0
W	Withdraw - Passing (no grade points)	
AU	Course Audited (no degree credit)	no grade points
I	Required Work Incomplete	no grade points
CR	Credit	no grade points

\*A grade of "C" or better must be earned in some courses in order to progress to the next higher course level or to graduate in some majors.

A student may receive an incomplete, "I," when, due to unusual circumstances acceptable to the instructor, the student is unable to complete course requirements prior to the end of a term. When possible, the option should be discussed between the instructor and student, concluding in a written agreement outlining the remaining requirements to be satisfied for the course (Use the Incomplete Course Completion Form available in each academic office unit.). One copy of this form must be filed at the time final grades for the term are submitted with each of the following signatures: course instructor, head of academic unit offering the course, and the student. A notation of "I" will be posted to the grade report for the term in which the incomplete is granted and on the academic transcript. An "I" will not affect term and cumulative credits and grade point averages for the term in which the incomplete is granted and subsequent enrollment terms during the time limit. A student may not re-enroll in an incomplete course within the time limit allotted for completing the course.

The student will have a maximum of one calendar year to satisfy the requirements for the course. Failure to complete course requirements within one year will automatically replace the incomplete with a grade of "F" with the credits and grade point averages recalculated to reflect this change.

Except for the grade of "I", no course grade will be changed unless an error has been made. All grades earned will remain on the permanent record. A grade of "D" or "F", for example, will remain on a student's permanent record, even though a higher grade may be recorded for the course in question, after it has been repeated.

Grading criteria for specific courses, outlining the basis on which grades are assigned, can be found in course syllabi.

## Academic Clemency

In order to provide a second opportunity for undergraduate students who performed poorly at some point in their studies, the University of Arkansas at Monticello has a policy on academic clemency. This policy is designed to help former students who have gained a new respect and commitment to higher education and the career opportunities that come from a college degree.

To be eligible for academic clemency, the student must not have been enrolled in any institution of higher education for a period of five years or more. The student must be enrolled at UAM. The request for clemency must be made within the first semester of the student's enrollment at UAM or the first semester the student is returning to UAM after being absent for a period of five years or more.

To be considered for academic clemency, the student must agree in writing to the following stipulations:

All grades and credits earned in all semesters for which clemency is granted will be forfeited.

All grades and credits for which clemency is granted will not count in computing GPA or in meeting requirements for graduation.

The transcript will continue to contain the entire academic record, including the grade earned for each course. However, a notation will be made showing the semesters for which clemency

was granted. The credit hours will become zero. Academic clemency can be granted only once in an individual's academic career and such declaration and granting is final and irreversible.

In regard to financial history, state and federal regulations take precedence over the institutional policy of academic clemency.

The academic clemency at UAM pertains only to UAM, and other institutions may or may not honor this policy.

In the case of transfer students who have received academic clemency at another accredited college or university, UAM will honor the clemency established at the previous institution. UAM will allow academic clemency for work taken at UAM or at another institution.

Students interested in pursuing academic clemency should contact the Office of the Registrar for the appropriate form and instructions.

## Chancellor's List

After each fall and spring semester, the University publishes the Chancellor's List of all students whose semester grade point average is 4.0 for 12 or more hours of course work at the 1000-4000 level.

## Dean's List

After each fall and spring term, the University publishes the Dean's List of all students whose semester grade point average is 3.50 or higher for 12 or more hours of course work at the 1000-4000 level.

## Course Prerequisites and Corequisites

No student may enroll in a course until successfully completing all prerequisites or concurrently enrolling in the co-requisite. The instructor may withdraw any student who does not comply with this regulation. The head of the academic unit in which the course is taught may approve exceptions to this policy.

## Course Numbers and Symbols

The numbers of regular University courses contain four digits: in general, the first indicates the university year; the second and third the particular course; and the fourth the number of hours of credit.

Developmental courses are numbered 0001-0999, freshmen-level courses 1001-1999; sophomore-level courses 2001-2999; junior-level courses 3001-3999; senior-level courses 4001-4999; and graduate-level courses 5000-5999.

## Enrollment in Developmental Courses

The UAM developmental education program is designed to identify academically under-prepared students and assist in developing their abilities to successfully meet the requirements of college-level courses. Based on ACT, ASSET, COMPASS, or SAT scores, students with developmental education needs who are admitted to enroll in associate or bachelor's degree programs are placed in one or more courses in reading, English, or mathematics. Students whose placement test scores in reading, mathematics, or English fall below the minimum must enroll in appropriate developmental courses as shown in the following table. (Source: Arkansas Department of Higher Education June 2006 Reference Manual):

	ACT	SAT	ASSET	COMPASS
English	English	Verbal	Writing Skills	Writing
ENGL 0133 Fundamentals of English	1-18	1-460	1-44	1-74
ENGL 1013 Composition I	19 or above	470 or above	45 or above	75 or above
	ACT	SAT	ASSET	COMPASS
Reading	Reading	Verbal	Reading Skills	Reading
Reading Laboratory	1-18	1-460	1-42	1-81
No Reading Laboratory Required	19 or above	470 or above	43 or above	82 or above
	ACT	SAT	ASSET	COMPASS
Mathematics	Mathematics	Quantitative	Intern. Algebra	Algebra
MATH 0143 Introductory Algebra	1-15	1-370	1-33	1-34
MATH 0183 Intermediate Algebra	16-18	380-450	34-38	35-40
MATH 1043 College Algebra or MATH 1003 Survey of Math	19 or above	460 or above	39 or above	41 or above

Note: The standards in the table above are subject to change by the Arkansas Department of Higher Education. Students with low college entrance scores in both mathematics and English will be restricted in their first semester to enrolling in a maximum of 14 credit hours which will include the appropriate O-level mathematics course and ENGL 0133 Fundamentals of English. Students should consult their academic advisor to make appropriate course selections to complete their class schedule and stay within the 14-hour maximum. Students who have completed a college-level course in mathematics or English with a "C" or above may not enroll for credit in a O-level course in that subject. NOTE: Part-time students in associate or bachelor's degree programs will be required to complete these specified courses during their first 30 hours of course work at the University.

## Repetition of Courses

Courses may be repeated a maximum of two times. Students may not repeat a course in which a "B" or "A" was earned. A "W" or "F" received for courses will be considered as courses attempted. All courses attempted (including repeats) will remain on the transcript. The last grade earned will be used in computing grade point average. NOTE: If a student repeats a course in which a passing grade was earned and receives an "F", the credit previously earned will be invalidated; the grade of "F" will be used in computing the grade point average.

Students must appeal to the Office of Academic Affairs for permission to repeat courses for the third time. If permission is granted, the student is limited to a maximum enrollment of 14

credit hours for the semester. Students who wish to enroll more than three times in a specific mathematics course other than MATH 0143, Introduction to Algebra, must take and/or repeat the prerequisite for the course. Exceptions to this must be approved by the Mathematics Review Committee.

## Independent Study Courses for Undergraduates

It is sometimes desirable, and in the best interest of students' academic growth, that they be allowed to engage in independent study or research. Independent study or research courses will carry a course number of 479V in each discipline and are open only to students who meet the following criteria:

- 1) completion of 60 hours;
- 2) completion of a minimum of 12 hours of course work in the discipline of the independent study or research;
- 3) a 3.00 cumulative grade point average in the discipline in which the research is conducted.

Independent study and research courses will require extensive independent study and research, formal written reports, and regular conferences with the instructor. A detailed description of the proposal and its requirements must be submitted for approval to the academic unit head and the Vice Chancellor for Academic Affairs. Students may complete only one independent study/research project per semester. Independent study/research proposals should not duplicate existing courses in the academic catalog.

## Undergraduates Enrolled in Graduate Courses

Qualified undergraduate students may be permitted to enroll in graduate courses either for undergraduate or graduate credit within the following guidelines. Undergraduate students within 30 hours of graduation may petition to enroll in graduate courses by contacting the Vice Chancellor for Academic Affairs. A minimum cumulative grade point average of 3.00, approval by the course instructor, and consent of the dean or chair of the offering unit must be presented as part of the petition. Students enrolling in graduate courses for graduate credit (not undergraduate credit) may not apply such credits to undergraduate degree requirements.

## Undergraduate Special Topics Courses

Courses numbered 198V and 399V, with variable credit of 1 to 3 hours, are available in each discipline to allow academic units the freedom to offer selected topics on an as-needed basis at the lower or upper level. Such special topics courses must be approved by the instructor, unit head, and Vice Chancellor for Academic Affairs. A course syllabus for any given special topics class must be submitted as part of the approval process. To enroll in a special topics class, students must meet the prerequisites and/or corequisites as specified in the course syllabus and must meet any grade

point requirements as stated in the syllabus or University catalog. A combined maximum of 6 credit hours may be earned in 198V and 399V special topics classes.

## Audit

Students who audit a course do not receive credit for the course, and the instructor does not evaluate the progress of the student. After the deadline for registration has passed, students may not change from audit to credit status.

## Non-Classroom Credit

Recognizing the fact that individuals are often able to learn concepts, skills, and information essentially equivalent to college-level learning, yet acquired outside the traditional college classroom setting, the University offers students the opportunity to earn college credit through special examination, evaluation, and other procedures. Students may earn academic credit without letter grades through these procedures by satisfactorily completing:

- 1) requirements and examinations in approved correspondence courses;
- 2) approved examinations in the College Entrance Examination Board's Advanced Placement program;
- 3) approved examinations in the College Level Examination Program (CLEP);
- 4) examinations prepared by the appropriate academic unit;
- 5) assessment of prior military training; and
- 6) completion of law enforcement and corrections training.

### I. Correspondence Courses

The maximum correspondence credit accepted is 15 semester hours. All students enrolled at the University of Arkansas at Monticello who pursue correspondence work must have prior approval of their academic advisor, academic unit head, and the Vice Chancellor for Academic Affairs. The test must be taken either at the University of Arkansas at Monticello Testing Center or at the institution offering the correspondence. If this procedure is not followed, the University may refuse to accept the hours for credit.

Correspondence credit may not be taken when the same course is offered on campus, except in the case of absolute conflicts and with the permission of the Vice Chancellor for Academic Affairs.

Correspondence courses will not be used to satisfy General Education requirements, and some specific courses must be taken in residence.

The institution sponsoring the correspondence course must provide the University with a transcript or notification of completion. Credit will not be granted unless the grade for the correspondence work is a "C" or better.

### II. Advanced Placement Credit

UAM will grant college credit for courses successfully completed in the Advanced Placement Program of the College

Entrance Examination Board by an entering freshman while in high school. The semester hours of credit permitted will be that allowed for the corresponding course or sequence of courses at UAM, but no grade will be assigned. Students receiving Advanced Placement Credit for a course may not earn CLEP credit for a prerequisite to this course.

The tests and scores accepted by the University are:

Advanced Placement Course	UAM Equivalent Course(s)	Minimum Score
Macroeconomics	Principles of Macroeconomics (ECON 2203)	3
Microeconomics	Principles of Microeconomics (ECON 2213)	3
English	Language/Composition (ENGL 1013)	3
	(ENGL 1013 & 1023)	4
French Language	Elementary French (FREN 1003)	3
	(FREN 1003 & 1013)	4
Spanish Language	Elementary Spanish (SPAN 1003)	3
	(SPAN 1003 & 1013)	4
Studio Art	Drawing (ART 1013)	3
Art History	Art Appreciation (ART 1053)	3
Calculus AB	Calculus I (MATH 2255)	4
Calculus BC	Calculus I & II (MATH 2255)	4
	(MATH 3495)	4
Physics B	General Physics I & II (PHYS 2203)	3
	(PHYS 2213)	3
Physics C. Mechanics	University Physics I (PHYS 2313)	3
Physics C. Electricity	University Physics II & Magnetism (PHYS 2323)	3
Biology	Intro. to Biological Science (BIOL 1063) and Intro. to Biological Science Lab (BIOL 1071)	3
Chemistry	Introductory Chemistry (CHEM 1023) and Introductory Chemistry Lab (CHEM 1031)	3
	General Chemistry I (CHEM 1103) and General Chemistry I Lab (CHEM 1121)	5
	General Chemistry II (CHEM 1113) and General Chemistry II Lab (CHEM 1131)	5
Music Theory	Music Theory (MUS 1023)	3
	Music Theory (MUS 1033)	3
Government and Politics/ United States	American National Government (PSCI 2213)	3
United States History	American History (HIST 2213)	3 or

(HIST 2223)	.....	3
European History Survey of Civilization (HIST 1013)	.....	3 or
(HIST 1023)	.....	3

This listing is frequently updated to reflect changes in the Advanced Placement program. For current information contact the Office of Academic Affairs at (870) 460-1032.

### III. Credit by Examination

Students may gain college credit in a number of subjects through some nationally sponsored examination programs such as the College Level Examination Program (CLEP). Specific information about what tests can be taken for course credit can be obtained through the Testing Office located in Harris Hall, Monticello campus, (870) 460-1454.

### IV. Credit by Academic Unit Examination

In some instances, students may earn credit for selected 1000-4000 level courses by passing a specially prepared Academic Unit Examination. Academic Unit Examinations are not available for all courses. Students wishing to take an Academic Unit Examination must complete a form available in the Registrar's Office, obtain permission from the Dean or Chair of the unit offering the course, the professor of record (a full-time faculty member), and the appropriate Vice Chancellor.

Academic Unit Examinations can only be taken during a regular academic semester. Requests for credit by Academic Unit Examination must be submitted and approved by the 26th day of the semester. Exams must be administered within five weeks following the approval.

Students may not attempt credit by Academic Unit Examination in any course:

1. For which an approved CLEP examination is available;
2. When the student has already attempted the course;
3. When the student has completed a more advanced course for which credit by Academic Unit Examination is a prerequisite;
4. Below the 1000-level.

A maximum of 6 technical credit hours and 12 non-technical credit hours may be earned through credit by Academic Unit Examination. Deans or Chairs of units offering Academic Unit Examinations have details regarding specific examinations as well as current fee information.

### V. Credit for Prior Military Training

The University may award up to twelve credit hours for prior military training courses listed in the latest edition of the American Council on Education's *A Guide to the Evaluation of Educational Experiences in the Armed Service*. For further information, contact the Office of the Registrar.

### VI. Credit for Law Enforcement and Corrections Training

The University may award up to six credit hours for successful completion of the Arkansas Law Enforcement Training Academy or the Academy of the Arkansas Department of Corrections. Based

on the evaluation of the nature of the training, the Dean of Social and Behavioral Sciences and the Criminal Justice faculty will determine for which specific criminal justice courses the training can be substituted.

For further information contact the Office of the Registrar at (870) 460-1034 or School of Social and Behavioral Sciences at (870) 460-1047.

## Student Load and Definition of Full/Part-Time Students

Full-time undergraduate student status requires registration in at least 12 semester hours of courses. Students registered in less than 12 semester hours will be considered part-time status. A normal load is considered 15 semester hours.

The maximum number of semester hours in which a student with less than a GPA of 3.00 may enroll is 18. A student who has a cumulative GPA of 3.00, or who has applied for graduation, may register for a maximum of 21 hours for the current semester. Students who do not meet the GPA requirement or graduation criteria must have approval of the Vice Chancellor for Academic Affairs before registering for more than 18 hours. All students wishing to register for more than 18 semester hours must pay tuition and fees for the additional registration.

Students may register for a total of 7 semester hours per summer term not to exceed 14 semester hours during the combined summer terms. Mini-courses, field studies, and courses across summer terms are excluded from this 14-hour maximum. Students enrolled in at least six hours during the summer term will be considered full-time status. Less than six hours will be considered part-time status during the summer.

## Schedule Changes (Drop/Add) and Withdrawal

Students may add courses to their schedules, with the approval of their assigned advisor, only during the first through fifth class days of the semester. Students may drop a course, or withdraw from all courses, through the first 11 days of classes with no grade or course listed. In the summer term, these periods are shorter; specific deadline dates are listed in the University Calendar. A processing fee will be charged for each change of schedule, except during the registration period. During a fall or spring semester, courses dropped and withdrawals accomplished will be recorded on a student's transcript as follows:

First 11 class days - no course listed;

12th class day through 55th class day- grade of "W" only;

56th class day through final deadline - "W" if passing, "F" if failing;

Last three class days - no drop or withdrawal allowed.

To drop a course, a student should begin at the office of his/her academic advisor. To complete withdrawal from the University, a student should begin at the Registrar's Office, return any library books, laboratory keys, and University equipment, and check out of the residence hall.

When an emergency or other special circumstance makes it impossible for a student to withdraw in person, the student may correspond with the Office of the Registrar to make other arrangements.

Students who stop attending a course (or all courses) without dropping or withdrawing officially will receive failing grades.

## Attendance Regulations

Regular class attendance is considered an essential part of the students' educational experience and a requirement for adequate evaluation of academic progress. The faculty considers that college students, as mature individuals, will recognize the need for regular attendance and will comply with this requirement. Faculty may establish specific attendance requirements that will be stated in the course syllabus. Students who violate attendance requirements may be removed from the course with a grade of "W" or "F." In the case of a O-level course, the instructor may withdraw students who miss six hours of lecture.

## Student Absences Due to Participation in University-Sponsored Events

At times, a student may participate in a University-sponsored activity that causes the student to miss one or more class meetings. When this occurs, the sponsor of the activity will provide the student with a memo that includes the event, dates and times of the event, and the student's name. The student will individually contact each of his/her instructors to discuss the class(es) to be missed. This discussion should occur at least one week prior to the anticipated absence. The student is responsible for all material covered and any class activities during the absence. The sponsor of the activity will also provide all academic unit heads and the Office of Academic Affairs a description of the activity that includes the location, dates, and a list of campus participants.

## Policy on Visitors

All visitors to a class are required to have the permission of the instructor. Visitors to any classroom or University facility must not be disruptive or present a safety hazard. Anyone planning to visit a class for more than four sessions will be required to enroll in the class as an auditor.

## Grade Point Average

A student's cumulative grade point average represents only those grades earned in residence at the University. Grades earned in courses at other institutions and transferred to the University will not be used in calculating cumulative grade point averages. Additionally, correspondence courses will not be included in cumulative grade point averages.

The grade point average of a student who takes a course at UAM and then repeats the course at another institution will not be affected by the grade earned at the transfer institution, even if the

grade earned there is sufficient ("C" or better) to allow the credit to be accepted at UAM.

NOTE: Except for repeats, a minimum 2.00 cumulative grade point average (GPA) is required to enroll in a junior (3000) or senior (4000) level course. Any exceptions to this policy must be approved by the Vice Chancellor for Academic Affairs or designee.

## Conditional Admission of First-Time Freshmen

First-time freshmen graduating from high school after May 1, 2002 will be admitted either "unconditionally" or "with conditions" in accordance with Act 1290 of 1997, as amended by Act 520 of 1999. The Office of Admissions and the Office of the Registrar will be jointly responsible for determining the admission status of each first-time freshman.

Students will be admitted unconditionally if they have successfully completed, with a minimum cumulative grade point average of 2.00 (on a 4.00 scale), the Arkansas high school core curriculum for unconditional admission to public colleges and universities.

Students not meeting the standards as noted above will be admitted with conditions.

First-time freshmen who are admitted with conditions and are seeking an associate of arts degree or baccalaureate degree must, within their first 30 hours of University enrollment, complete at least 12 hours of the General Education Curriculum and any necessary developmental courses with at least a 2.00 cumulative grade point average.

First-time freshmen who are admitted with conditions and who are seeking an associate of applied science degree must, within their first 30 hours of University enrollment, complete at least 6 hours of the General Education Curriculum and at least 6 hours of technical courses required for the associate of applied science degree and any necessary developmental courses with at least a 2.00 cumulative grade point average.

First-time freshmen who are admitted with conditions and who are seeking a technical certificate must, within their first 30 hours of University enrollment, complete at least 6 hours of core academic courses and at least 6 hours of technical courses required for the technical certificate as well as any necessary developmental courses with at least a 2.00 cumulative grade point average.

The records of students admitted with conditions will be reviewed by the Office of Academic Affairs following the completion of 30 semester credit hours. Those who have not completed the required core courses, technical courses (if applicable), and developmental courses (if applicable) with a minimum cumulative grade point average of 2.00 will be required to enroll in the appropriate courses and will be restricted to a maximum of 14 credit hours per semester until the course requirement is satisfied.

\*Note: First-time freshman enrolling in Certificate of Proficiency programs are exempt from these requirements.

## First-Time Freshmen: 8-Semester Program of Study

Pursuant to Arkansas Act 1014 of 2005, first-time freshmen may elect to participate in a guaranteed 8-semester degree completion program for most bachelor's degrees offered at the University. During fall and spring terms, all first-time freshmen must submit a signed acceptance of an 8-Semester Program of Study or a waiver of the 8-Semester Program of Study by the 5th class day, which is the last day to register or add classes.

The degree majors that are included in the 8-semester degree completion program are:

B.A. in Art (non-teaching)

B.A. in English (Creative Writing and Professional Writing concentrations)

B.A. in History

B.A. in History and Social Studies

B.A. in Journalism

B.A. in Music (Instrumental, Music Theater, Piano, and Voice concentrations)

B.A. in Political Science

B.A. in Speech Communication

B.B.A. in Accounting

B.B.A. in Business Administration (Business Administration, Entrepreneurship, Finance, Management, and Marketing concentrations)

B.S. in Agriculture (Agri-Business, Animal Science, and Plant and Soil Science options)

B.S. in Biology and Organismal Biology option

B.S. in Chemistry

B.S. in Computer Information Systems

B.S. in Criminal Justice

B.S. in English Literature

B.S. in Health and Physical Education, Exercise Science Option

B.S. in Mathematics

B.S. in Natural Science (Life Science and Physical Science options)

B.S. in Psychology

B.S. in Spatial Information Systems: Geographic Information Systems and Surveying options

B.S.W. in Social Work

(8-semester course sequences are listed beginning on page 114.)

When choosing to participate in the guaranteed 8-semester degree completion program, the student accepts responsibility for monitoring his/her progress toward a degree and for making choices that will lead to graduation in four years. In accepting an 8-semester program of study for degree completion, the student acknowledges that he/she must do each of the following:

1. Follow exactly the 8-semester program of study with the understanding that any exceptions must be approved by the academic advisor, unit head, and Academic Affairs.

2. Make satisfactory academic progress including maintaining a cumulative grade point average of at least 2.00 or greater overall, as well as maintaining the required grade point average in the major and, if applicable, the minor.

3. Be continuously enrolled in fall and spring terms and complete



at least 30-36 semester credit hours of appropriate course work each academic year as outlined in the program of study.

4. Have each class schedule approved by the official academic advisor and register for classes each semester during the designated preregistration or registration period.

5. Accept any available course section in scheduling classes for a new semester.

In accepting an 8-semester program of study for degree completion, the student acknowledges that any of the following will void the agreement: changing the major, dropping a course, failing a course, failing to earn a minimum grade required for a course, incurring conditional academic standing or suspension, withdrawing from the University, failing to pay tuition and fees, failing to finalize registration, or incurring disciplinary actions or sanctions that affect academic progress.

Any first-time freshman who chooses not to commit to completion of the program of study within eight semesters is required to sign a waiver. A waiver is appropriate for any student who has not declared a major, has declared a major not included in the 8-semester degree completion program, is not seeking a baccalaureate degree, is required to enroll in one or more developmental courses, or is not a full-time student.

Questions about the 8-semester program of study plans and procedures should be addressed to the Office of Academic Affairs.

## Academic Standing and Suspension

At the end of each fall and spring semester, the University reviews the semester and cumulative grade point averages of all students. To make academic achievement and progress toward a degree, each student is expected to maintain both semester and cumulative grade point averages of 2.00 or higher. If either the cumulative or semester grade point average falls below 2.00, the student will be placed on conditional academic standing. Conditional academic standing carries no restrictions but serves as a notice that academic suspension from the University will follow unless the quality of academic work improves. The University will continue a student on conditional academic standing until both the cumulative and semester grade point averages are 2.00 or higher. When both the cumulative and semester grade point averages are 2.00 or higher, the student is removed from conditional academic standing.

Students on conditional academic standing whose semester and cumulative grade point averages both fall below 2.00 will be subject to suspension from the University. The first suspension will be for one semester; the second suspension and any subsequent academic suspensions will last for one year each. An academic suspension may be appealed to the Academic Appeals Committee at the student's respective location (Monticello, Crosssett, or McGehee).

Students subject to their first academic suspension (one semester) at the end of the spring semester will be allowed to enroll in the fall semester if, during the summer, they earn at least six hours of course work at UAM (any of the three locations) with

a minimum 2.00 grade point average on all courses attempted. Otherwise, they must sit out the fall semester or have a successful appeal.

Students subject to their first academic suspension (one-semester) at the end of the fall semester will have the option to enroll in a maximum of nine (9) hours of course work during the spring term to improve their GPA. They will be allowed to enroll in summer and/or fall classes if, during the spring semester, they earn at least six hours of course work at UAM (any of the three locations) with a minimum 2.00 grade point average on all courses attempted. Otherwise, they must sit out the summer and fall semesters or have a successful appeal.

The grade point averages of all students enrolled at UAM during the summer will be evaluated at the end of the second summer term on all courses attempted. Students whose cumulative grade point average meets the appropriate standard at the end of the summer will be removed from conditional academic standing or academic suspension. Students will not be suspended or placed on conditional academic standing based on their academic performance during the summer.

Any credit earned from another institution while a student is subject to suspension or suspended will not be accepted by UAM.

Suspended students who are not enrolled at any UAM location during a spring or fall semester must contact the Office of Admissions for readmission to the University.

NOTE: A student's financial aid eligibility is based on grade point average and number of credit hours completed; therefore, financial aid standing may be different from academic standing. There is a separate appeals process for students on financial aid denial. Students should contact the Office of Financial Aid in Harris Hall for specific financial aid information.

## Continuous Enrollment in Required Courses

All full-time students must be continuously enrolled in the appropriate English composition and mathematics courses until general education requirements in these areas have been met. A student enrolled in developmental mathematics, and/or developmental English composition, and/or Composition I, must complete the course with a grade of "C" or higher. Part-time degree seeking students must complete the mathematics and English composition requirements in the first 30 credit hours attempted.

## Honor Society

Alpha Chi is a national scholarship recognition society with approximately 300 chapters nationwide. Its purpose is to promote academic excellence and exemplary character among college and university students and to honor those who achieve such distinction. As a general honor society, Alpha Chi admits to membership students from all academic disciplines. UAM's chapter, Arkansas Zeta, was chartered in 1956. Membership is by invitation and is limited to students actively seeking a degree who: have completed at least 62 hours; academically rank in the upper ten percent of the Junior and Senior classes and have compiled a GPA of 3.60 or above. Transfer students must have completed at least 24 hours at

UAM. Accumulated "W's" may affect eligibility.

## Transfer Policy

Transfer applicants must meet the minimum academic standing requirements as outlined elsewhere in this catalog and be admissible to the institution from which they are transferring. To simplify transfers, the University has formed articulation agreements with several area schools. Students should contact the Office of the Registrar (870-460-1034) for additional information.

Transfer students must submit ACT or SAT scores when they have not completed a transferable course in mathematics which will satisfy the general education mathematics requirement or when they have not completed one semester of a transferable course in English composition. Course credit for acceptable work is transferred, but grades are not transferred. Transfer work does not affect the UAM grade point average of a student.

Students on suspension from UAM may not transfer hours taken at any other institution during the suspension period. Other regulations affecting transfer credit are:

1. Transferring students may receive credit for course work completed at an accredited post-secondary institution where a grade of "C" or higher has been earned. Credit is not awarded for course work completed at educational institutions judged not to be collegiate level.
2. Generally, the University does not accept transfer credit hours in which a grade of "D" was awarded. However, requests for exceptions to this transfer credit policy may be made to the Vice Chancellor for Academic Affairs. The following regulations apply:
  - a. Students entering the University for the first time must make application during their first term of enrollment.
  - b. Six (6) credit hours with grades of "D" will be the maximum allowed.
  - c. Transfer hours accepted with grades of "D" will be applicable only to general education or to general electives.
3. No more than six credit hours of religion will count toward the degree requirements of a major.
4. A maximum of 68 credit hours may be transferred from a community, technical, or junior college. Exceptions may be made in instances where UAM has entered into articulation agreements with community, technical, or junior colleges.
5. The final decision regarding transfer course equivalents to University courses will be made by the University.
6. Military service, CLEP examination scores, and Advanced Placement scores may be evaluated for credit but will not be accepted as posted on another institution's academic transcript. Original documentation must be submitted to the Office of the Registrar for evaluation.
7. Students with less than a 2.00 cumulative grade point average or less than a 2.00 semester average for their last semester will be admitted on conditional academic standing.

## Arkansas Course Transfer System

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of application credits and the equitable treatment in the application of credits for the admissions and degree requirements. Course transferability is not guaranteed for courses listed in ACTS as "No Comparable Course." Additionally, courses with a "D" frequently do not transfer and institutional policies may vary. ACTS may be accessed on the Internet by going to the ADHE website and selecting Course Transfer (<http://www.adhe.edu>).

## Major Field of Study

Any student can declare a major field of study, at which time he/she will be assigned to an academic advisor in the academic unit offering the major. Students who are undecided about their major are advised by "General Studies" faculty advisors. Regardless of whether a major has been declared, students are encouraged to complete the general education requirements within their first 60 hours.

Some major programs have specific course work, grade point, or other requirements which must be met to continue in the field of study. Students should contact their academic advisor or the unit head of the appropriate school or division for information about specific major requirements.

Students can change their major by completing a "Change of Major" form in the academic office of the desired major.

## Academic Appeals Committee

The Academic Appeals Committees are composed of seven full-time faculty members on the Monticello campus and five faculty/staff on College of Technology campuses. These committees are responsible for hearing student appeals of academic probation, suspension, and other academic matters. They will hear appeals of grades if mediation by the unit head or Vice Chancellor for Academic Affairs cannot resolve a dispute. The Student Handbook includes a detailed description of the appeals process.

Appeals should be addressed to the Chief Academic Officer of each campus.

## Academic Code Violations

Cheating and plagiarism are considered academic violations. These violations are adjudicated through the Academic Violation Process below:

1. An instructor who suspects a student is guilty of cheating or plagiarism within the instructor's class must inform the student of this suspicion and provide the student with an opportunity to respond to the accusation.
2. An instructor who believes a student is guilty of cheating or plagiarism within the instructor's class may take any of the following actions: 1) issue a warning to the student; 2) lower the grade awarded to the student for the paper or test; 3) require the student to retake the test or rewrite the paper; 4) award no credit for the

paper or test; 5) withdraw the student from the course; 6) award the student a failing grade for the course.

3. A student who receives any of the above actions who feels this action is unjust may appeal the instructor's decision as addressed in the academic appeals process. This appeal procedure must begin within ten class days of receiving written or oral notice of the action.

## Transcripts

The University charges \$4 for each transcript issued. No transcript will be issued until all financial records have been cleared and the transcript fee is paid.

Only the student may request his/her transcript. Requests must contain the full name, social security number, and signature of the student. Transcripts may be requested as follows:

1. By mail. Students should send the request and transcript fee of \$4 to the Cashier's Office, P. O. Box 3597, Monticello, AR 71656.

2. In person. Students may go to the Cashier's Office (Harris Hall, 2nd floor, Monticello campus) during Cashier's office hours and make payment for the transcript. The request and the receipt should be submitted to the Office of the Registrar in Harris Hall for transcript pickup. Arrangements can also be made to have the transcript mailed directly from the University.

3. By fax. A signed request may be sent to the Office of the Registrar at (870) 460-1935. The fax request will be honored if the sender's student ID number and telephone number are listed on the fax header line. It is also recommended that the requestor include a contact telephone number along with the other required information (see above) and signature. Payment must be made before the request will be processed.

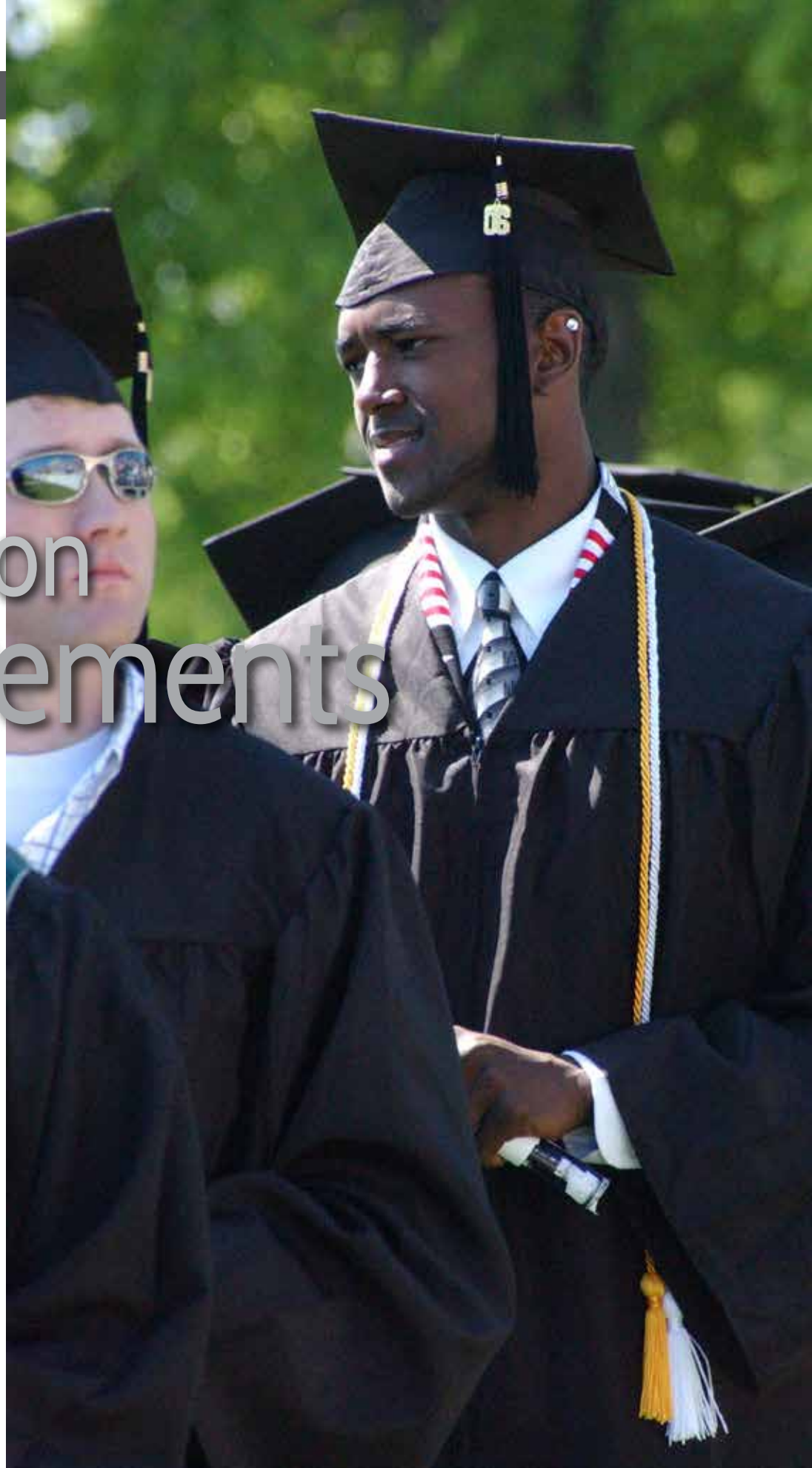
NOTE: A form that can be printed, completed, and faxed is located on the UAM web site. Go to [www.uamont.edu](http://www.uamont.edu) and click on "Request Transcript" at the bottom of the page.

Upon specific request, transcripts may be faxed directly from the Office of the Registrar. However, students should be aware that recipients of such transcripts might not accept them as official. The cost for a faxed transcript is \$4. Faxing a transcript and mailing an official transcript are considered two separate transactions, and two separate fees will be charged.



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## Graduation Requirements



# Regulations Applicable to All Baccalaureate Degrees

## General Education

It is the mission of General Education to provide a foundation for sustained lifelong learning. The program is designed to help the student develop his/her abilities to reason critically, analyze objectively, think creatively, perceive assumptions, make judgments on the basis of values, construct arguments, use evidence, and communicate and observe effectively. Through General Education the specific skills of reading, writing, computation, comprehension, listening, and speaking will be enhanced. The program also seeks to instill an appreciation and understanding of the creative, intellectual, social, and scientific forces that shape our history and guide our lives.

When General Education is successfully completed, the student should be prepared to perform effectively and responsibly in society and should have the base of knowledge necessary for the pursuit of advanced studies.

The following General Education requirements apply to all baccalaureate degrees. These requirements exist to ensure that each student's program contains a significant liberal arts emphasis. It is expected that students will complete the General Education requirements within their first 60 hours.

Humanities and Social Sciences .....	(30 hours)
Composition .....	6 hours
ENGL 1013 Composition I or ENGL 1033 Honors Composition I and ENGL 1023 Composition II or ENGL 1043 Honors Composition II	
Fine Arts .....	3 hours
One of the following: ART 1053 Art Appreciation MUS 1113 Music Appreciation	
Speech .....	3 hours
One of the following: SPCH 1023 Public Speaking SPCH 1043 Honors Speech Communication SPCH 2203 Interpersonal Communication SPCH 2283 Business and Professional Speech	
Humanities Cluster .....	6 hours
HIST 1013 Survey of Civilization I and ENGL 2283 Survey of World Literature I or HIST 1023 Survey of Civilization II and ENGL 2293 Survey of World Literature II	
Humanities Elective .....	3 hours
To be chosen from the disciplines of Art, Music, Foreign Language, English, or Philosophy	
U.S. History or Government .....	3 hours
One of the following: HIST 2213 American History I HIST 2223 American History II PSCI 2213 American National Government	
Psychology or Sociology .....	3 hours

One of the following:  
PSY 1013 Introduction to Psychology  
SOC 2213 Introduction to Sociology

Social Science Elective .....	3 hours
To be chosen from the disciplines of Anthropology, Criminal Justice, Economics, Geography, Political Science, Psychology, Social Work, or Sociology	
Mathematics and Natural Sciences .....	(11 hours)
Mathematics .....	3 hours
All students must pass a mathematics course at the 1000-level or above. No math course less sophisticated than College Algebra may be applied toward a baccalaureate degree.	
Basic Sciences .....	8 hours
Eight hours from two 3-hour lecture courses with associated 1-hour labs, or two 4-hour courses with integrated labs chosen from two of the following groups: (1) Astronomy, Earth Science (2) Biology (3) Chemistry, Physics	
Mathematics, Science, or Technology Elective .....	3 hours
To be chosen from the disciplines of Astronomy, Biology, Chemistry, Computer Information Systems, Computer Science, Earth Science, Mathematics, Physics, or Physical Science	
Total Hours .....	44

## Restrictions

The following restrictions apply to the General Education program:

1. Courses designed for specific audiences will NOT be counted for General Education credit. These courses include the following:

- AGEC 2273 Agricultural Economics
- ART 1103 Art for Elementary Teachers
- MATH 2243 Fundamental Geometric Concepts
- MATH 3553 Number Systems
- All discipline-related teaching seminars (e.g., SCED 4663 Secondary Science Teaching Methods)

2. Courses from the major of a student will be counted for General Education elective credit only in the Speech and Humanities Cluster categories under Humanities and Social Sciences, and the Mathematics category under Mathematics and Natural Sciences. When supportive requirements exist for a given major but are drawn from a discipline other than the major, they may be used to meet the general education requirements provided that they do not violate the restrictions listed in the previous paragraph.

3. In addition to the courses in the major curriculum and its supportive requirements, a major may require specific courses within the General Education elective options.

## Senior Credit Requirement

For any baccalaureate degree, a total of 40 semester hours must be earned in courses numbered at the 3000-4000 level. At least 20 hours in the major and at least nine hours in the minor must be at the 3000-4000 level unless otherwise specified.

## Residency Requirement

For a baccalaureate degree, candidates must have earned at least 30 semester hours in residence at the University of Arkansas at Monticello, 24 of which must be taken after attaining senior class standing, and a portion of which must be in the major and/or minor field. Special permission to deviate from the senior residence requirement may be granted in individual cases where a proposal has merit relative to the student's academic objectives. Such requests must be presented in writing by the student to the Vice Chancellor for Academic Affairs and must have the approval of the student's major advisor and the Academic Appeals Committee. The requirement that 24 hours be taken after achieving senior standing may be waived for students in programs at institutions that have entered into specific articulation agreements with UAM.

For an associate degree, candidates must earn no fewer than 15 semester hours of credit from the University of Arkansas at Monticello.

## Second Baccalaureate Degree

Occasionally students may wish to pursue a second baccalaureate degree. In such cases, students must meet all major and degree identity requirements for the second degree, earn at least 30 semester hours of credit in residence beyond the first degree requirements, and satisfy all grade point average requirements.

## Second Major

A student may complete a second major. All requirements for both majors must be fulfilled; however, only the degree identity requirements for the first major must be fulfilled. Students who have already earned a baccalaureate degree are not eligible to seek a second major except by earning a second, separate degree.

## Graduation under a Particular Catalog

Students have a maximum of six years to graduate under the catalog in effect at the time of their original enrollment. Students have the following two options: (1) abiding by the requirements of the UAM catalog in effect at the time of their original enrollment, or (2) abiding by a more current active UAM catalog, as long as they were enrolled at UAM during the period that the catalog was in effect. Changes in academic programs or actions taken by authorities external to the University (e.g., accrediting agencies or state agencies) may make it necessary for a student to move to a more recent catalog.

The present catalog is in force from Summer II 2007 through Summer I 2009. Candidates for graduate degrees should refer to the graduate section of the catalog.

## Grade Point Requirement for Graduation

A minimum grade point average of 2.00 is required in: 1) major field, 2) minor field, and 3) overall. Some majors require all

major courses to be completed with a minimum grade of "C."

## Graduation Degree Audit Requirement

Following completion of 70 hours and prior to the completion of 90 hours, baccalaureate students must have a degree audit on file in the Office of the Registrar. Students who have completed 90 or more hours must have a signed audit on file to register for the next semester. Students seeking an associate degree must file a degree audit between 35 and 45 hours. Students seeking technical certificates must file a Graduation Degree Audit in the final semester of study. Audits must include the signature of the student, advisor, unit head, and Registrar.

When students apply for graduation, which occurs the semester before the intended graduation or in the final semester of study (technical certificate students), the student must meet with their advisor to complete and sign the Graduation Degree Audit. The signed degree audit is then submitted to the Office of the Registrar. The signed degree audit is used by the Registrar's Office as a checklist to assist with the verification of the student's graduation requirements. Lack of knowledge or incorrect interpretation of University policies and regulations does not remove the student from the obligation to satisfy all requirements for a degree/certificate. The student bears the ultimate responsibility for completing a degree/certificate program. (See the Commencement section found elsewhere in this catalog.)

## Specific Degree Requirements

### Associate Degrees

For information on the requirements for these degrees, please refer to the academic unit offering the associate degree of interest:

School of Forest Resources - Associate of Science in Land Surveying Technology

School of Social and Behavioral Sciences - Associate of Applied Science in Crime Scene Investigation and Law Enforcement Administration

Division of General Studies - Associate of Arts and Associate of Applied Science

Division of Nursing - Associate of Applied Science in Nursing  
College of Technology at McGehee - Associate of Applied Science in Farm Production Management, Associate of Applied Science in General Technology.

College of Technology at Crossett - Associate of Applied Science in Industrial Technology, Associate of Applied Science in General Technology.

### Baccalaureate Degrees

Candidates for any baccalaureate degree must complete the following four requirements:

1. At least 124 hours of course work at or above the 1000 level in addition to any required courses below the 1000 level. At least 40 hours must be earned in courses numbered at the 3000-

4000 level;

2. The General Education Program as listed on page 51;

3. A comprehensive major or a major of at least 30 hours and a minor of at least 18 hours. Students planning to teach must complete the Professional Education Core, which may be substituted for the 18-hour subject matter minor.

4. The residency requirements as described on page 52 of this catalog.

## Bachelor of Arts (B.A.) Degree

Students receiving a Bachelor of Arts degree will be exposed to a diversity of thought and communication.

Candidates for a Bachelor of Arts degree must complete 12 hours from the list below. Of the 12 hours, at least six hours must be one foreign language. Students cannot use courses within their major. Students whose major is Early Childhood Education or Middle Childhood Education are exempt from this requirement.

Any foreign language courses

ART 3403 Art History I Survey: Prehistoric to Renaissance

ART 3413 Art History II Survey: Renaissance to Present

HIST 3423 Britain

HIST 3503 Middle East and North Africa

HIST 3553 Africa

HIST 3563 Russia

HIST 4623 East Asia

MUS 3563 History of Music I

MUS 3573 History of Music II

ENGL 3343 Bible as Literature

ENGL 3423 British Literature I

ENGL 3433 British Literature II

ENGL 3553 Introduction to Language Study

ENGL 3583 Critical Theory and Approaches to Literature

ENGL 4613 British Novel

ENGL 4623 Shakespeare

PHIL 2223 Introduction to Philosophy

PHIL 3523 Logic

PHIL 3623 Ethics

PHIL 4603 History of Philosophy

PSCI 3443 Middle East Politics

PSCI 3463 International Relations

PSCI 3583 European Politics

PSCI 4683 Western Political Theory

SPCH 3413 Intercultural Communication

### B.A. Majors

Art

P-4 Early Childhood Education

English

Health & Physical Education (non-licensure)

History

History and Social Studies

Journalism

Middle Childhood Education

Music

Political Science

Speech Communication

## The Bachelor of Applied Science (B.A.S.) Degree

Refer to the Division of General Studies section elsewhere in this catalog.

## The Bachelor of Business Administration (B.B.A.) Degree

Refer to the School of Business section elsewhere in this catalog.

### B.B.A. Majors

Accounting

Business Administration

## The Bachelor of Science (B.S.) Degree

Students receiving a Bachelor of Science degree must exhibit a breadth of knowledge in science and mathematics.

Candidates for the Bachelor of Science degree must complete at least seventeen hours of mathematics, natural sciences, or technology. At least fourteen of the hours must come from the area of mathematics and natural sciences as defined under the "Mathematics and Natural Sciences" General Education requirements on page 52. Three of the hours may come from the disciplines included under the general education "Math, Science, or Technology Elective" area.

### B.S. Majors

Agriculture

Biology

Chemistry

Computer Information Systems

Criminal Justice

Forestry

Health and Physical Education

(P-12, non-Licensure, and Exercise Science)

Mathematics

Natural Science

Psychology

Spatial Information Systems

Wildlife Management

## Minors and Collaterals

Minor programs approved by the University are eligible under the Bachelor of Science and Bachelor of Arts degree programs. When approved by the major advisor and the Vice Chancellor for

Academic Affairs, an individualized, interdisciplinary and/or collateral area of study of not less than 18 hours may be offered in lieu of a minor. Both minors and collaterals must include at least nine hours of 3000-4000 level course work.

An interdisciplinary international studies collateral can be designed in consultation with the student's advisor and the unit head for the major field. Courses such as the following might be included: International Business; General Geography; Conversational Spanish; French Civilization and Culture; history courses in Britain, Europe, the Middle East and North Africa, Russia, or Latin America; the English Seminar in Recent International Fiction; or the political science courses in International Relations, Middle East Politics, or Comparative Politics. Survey of World Literature I and II, Civilization I and II, Elementary French, and Elementary Spanish courses cannot be counted toward the requirements for collateral. In every case, the courses planned for a collateral must show a good distribution among areas of study.

## The Bachelor of Music Education (B.M.E.) Degree

Refer to the School of Arts and Humanities section of this catalog beginning on page 68.

## The Bachelor of Science in Nursing (B.S.N.) Degree

Refer to the Division of Nursing section of this catalog beginning on page 104.

## The Bachelor of Social Work (B.S.W.) Degree

Refer to the School of Social & Behavioral Sciences section of this catalog beginning on page 115.

## Graduate Degrees

For information on the requirements for these degrees, please refer to the Graduate Programs section of this catalog beginning on page 194.

## Requirements for Admission to Teacher Education

In compliance with State of Arkansas law, the University requires that each student pursuing a degree in a program leading to licensure as a teacher meet certain requirements for admission to the teacher education program. One of the requirements for admission to the teacher education program is the achievement

of passing scores on all parts of the Praxis I (reading, writing, and mathematics). Among the requirements for admission to the internship year, students must earn passing scores on the appropriate Praxis II specialty area examination in their teaching area. Prior to graduation students are required to have passing scores on the Praxis II Principles of Learning and Teaching (PLT) test. Specific admission requirements are available from the School of Education office located in Willard Hall on the Monticello campus.

## Degree Requirements for Professional School Candidates (Veterinary, Medical, Dental, Law, Pharmacy, etc.)

Students who enter accredited professional programs before actually completing all degree requirements may be granted the baccalaureate degree under the following circumstances: students must have completed 93 hours of undergraduate course work including the state core curriculum of general education requirements, at least 12 hours at the 3000-4000 level, and at least 30 hours completed in residence at the University of Arkansas at Monticello. After completion of the course work at the accredited professional school deemed appropriate to satisfy all graduation requirements including those of a specific major, the student may then be awarded the degree upon request. Degrees will be awarded only for programs of study that are offered by the University at that time.

## Graduation with Honors

The University recognizes graduates of baccalaureate degree programs who have excelled in their studies. At the baccalaureate degree level, students must have a cumulative grade point average of at least 3.50 to graduate *cum laude*. To graduate *magna cum laude* students must have a cumulative grade point average of at least 3.70. The highest recognition is *summa cum laude* which requires a cumulative grade point average of at least 3.90.

To graduate with honors, baccalaureate students must have at least 60 hours in residence at UAM. Only 1000-level courses and above are used to compute the hours in residence and the grade point average.

## Commencement

Degrees are conferred in May, August, and December. Technical certificates are conferred in June. The official graduation date is three business days following the last examination of the semester or term.

Degree-seeking students must file an "Application for Graduation" form with the Registrar the semester before they expect to graduate. Students who plan to graduate in May must apply for graduation at least ten weeks prior to the end of the fall semester. Students who plan to graduate in August or December must apply for graduation at least ten weeks prior to the end of the spring se-



mester. When degree-seeking students apply for graduation, they must meet with their advisor to complete and sign the Graduation Degree Audit which is then submitted to the Office of the Registrar.

Students seeking a technical certificate should contact the Office of Student Services during their final semester of study and complete an "Application for Graduation" form and complete and sign the Graduation Degree Audit which is then submitted to the Office of the Registrar.

A commencement ceremony for awarding degrees is conducted on the Monticello campus in May. A commencement ceremony for awarding technical certificates is conducted on both of the College of Technology campuses in June. Undergraduate students who lack six or fewer hours to complete their degree or technical certificate may participate in the respective commencement ceremony. Students may only participate in one commencement ceremony for each degree or technical certificate earned. (See 'Graduation Degree Audit Requirements' elsewhere in this catalog.)

## Arkansas Core Curriculum

The Arkansas Board of Higher Education, by legislative direction, establishes at each public college and university a state minimum core curriculum. This 35-credit block is fully transferable among Arkansas public institutions and will satisfy corresponding degree requirements at each institution. The University maintains a current list of the 35-credit core from other Arkansas public institutions.

The University's 35-credit core is listed below. It is fully contained within the 44-credit General Education program required for all baccalaureate degrees, within the 38-credit general education program for the Associate of Arts degree, and within the requirements for the Associate of Science in Land Surveying Technology degree.

State Core Curriculum .....	38 hours
English Composition .....	6 hours
ENGL 1013 Composition I or ENGL 1033 Honors Composition I	
ENGL 1023 Composition II or ENGL 1043 Honors Composition II	
Speech .....	3 hours
One of the following:	
SPCH 1023 Public Speaking	
SPCH 1043 Honors Speech Communication	
SPCH 2203 Interpersonal Communication	
SPCH 2283 Business and Professional Speech	
Mathematics .....	3 hours
One of the following:	
MATH 1003 Survey of Mathematics	
MATH 1043 College Algebra	
Any 1000-level or higher mathematics course except MATH 2243 ...	
or MATH 3553	
Basic Sciences .....	8 hours
Eight hours from two 3-hour lecture courses with associated	

1-hour labs, or two	
4-hour courses with integrated labs chosen from two of the following groups:	
(1) Astronomy, Earth Science	
(2) Biology	
(3) Chemistry, Physics	
Fine Arts/Humanities .....	9 hours
Humanities Cluster .....	6 hours
HIST 1013 Survey of Civilization I and ENGL 2283 Survey of World Literature I or	
HIST 1023 Survey of Civilization II and ENGL 2293 Survey of World Literature II	
Humanities Elective .....	3 hours
To be chosen from the disciplines of Art, Music, Foreign Language, English, or Philosophy	
Social Sciences .....	9 hours
U.S. History or Government .....	3 hours
One of the following:	
HIST 2213 American History I	
HIST 2223 American History II	
PSCI 2213 American National Government	
Psychology or Sociology .....	3 hours
One of the following:	
PSY 1013 Introduction to Psychology	
SOC 2213 Introduction to Sociology	
Social Science Elective .....	3 hours
To be chosen from the disciplines of Anthropology, Criminal Justice, Economics, Geography, Political Science, Psychology, Social Work, or Sociology	

# 56

## Division of Agriculture

Location: Agriculture Building  
Telephone: (870) 460-1014  
Fax: (870) 460-1415  
Mailing Address: P.O. Box 3508  
Monticello, AR 71656



## Faculty/Mission

Professors: K. Bryant (Chair) and Francis; Associate Professor Stark; Assistant Professor Whitworth.

It is the mission of the Division of Agriculture to provide educational programs on both the theory and practice of agricultural science enabling the graduate to compete within and contribute to this diverse field at the producer, industry, and graduate student level. This mission is accomplished through degree options in Agribusiness, Animal Science, Plant and Soil Science, and General Agriculture. Four minors are also offered. Those desiring agricultural degree programs not offered at the University of Arkansas at Monticello are provided introductory course work and advising designed to facilitate transfer to another institution. In addition, students desiring to enter veterinary school are provided course work and advising aimed at meeting the requirements of institutions offering a degree in veterinary medicine.

## Cooperative Agreements Agricultural Education

Agreements with the University of Arkansas, Fayetteville (UAF) and Southern Arkansas University (SAU), allow students who wish to become vocational agriculture teachers to complete approximately 60 hours at the University of Arkansas at Monticello and transfer to UAF or SAU. Students must have a 2.50 cumulative grade point average to be accepted into the teacher education program. Specifics regarding these additional institutional requirements are maintained in the Division of Agriculture offices and will be available upon request to interested students.

## Veterinary Medicine

Students are provided course work and advising to meet the entrance requirements of the veterinary school of their choice and may simultaneously complete the requirements for a Bachelor of Science degree in agriculture or biology.

## Other Programs

Those desiring an agriculture degree program not offered at the University of Arkansas at Monticello are provided course work and advising designed to facilitate transfer to another institution after one to two years at the University of Arkansas at Monticello.

## Acceptance to the Upper Division of the Undergraduate Agriculture Major Conditions of Acceptance

To be accepted into upper division agriculture courses, Agriculture majors must meet these conditions:

1. Using the courses designated for a Bachelor of Science degree with an Agriculture major, complete the following University General Education requirements: (35 hours)

a) Composition: .....6 hours

(ENGL 1013 or 1033 and ENGL 1023 or 1043)

- b) Fine Arts: .....3 hours  
(ART 1053 or MUS 1113)
- c) Speech: .....3 hours  
(SPCH 1023, 1043, 2203, or 2283)
- d) Humanities Cluster: .....6 hours  
(HIST 1013 and ENGL 2283 or HIST 1023 and ENGL 2293)
- e) U.S. History or Government: .....3 hours  
(HIST 2213, HIST 2223, or PSCI 2213)
- f) Psychology or Sociology: .....3 hours  
(PSY 1013 or SOC 2213)
- g) Mathematics: .....3 hours  
(MATH 1043)
- h) Basic Sciences from one of the following pairs of courses: .....4 hours  
(CHEM 1103 and CHEM 1121)  
(BIOL 1063 and BIOL 1071)  
(BIOL 1153 and BIOL 1161)  
(BIOL 1143 and BIOL 1171)

2. Complete the following major course requirements in agriculture: (10 hours)

- a) AGECE 2273 Agriculture Economics  
b) AGRI 1101 Agriculture Orientation  
c) ANSC 1003 Principles of Animal Science  
d) AGRO 1033 Principles of Field Crops

3. Achieve a GPA of at least 2.00 for all courses listed in condition 2.

4. Achieve a cumulative GPA of at least 2.00 for all courses taken.

## Application Instructions

Submit an application for admission to the Chair of the Division of Agriculture for faculty approval including a one-page, well-written (rational and grammatically correct) statement expressing the student's reasons for seeking a baccalaureate degree in Agriculture and outlining goals for the future including their career. Deadlines for application are March 15 into fall courses and October 15 into spring courses.

Conditional acceptance may be granted to students in spring classes who expect to complete conditions 1-4 by the end of the spring and/or summer terms and to students in fall classes who expect to complete conditions 1-4 by the end of the fall term. Conditional status will be lifted upon meeting those requirements. Conditionally accepted students who fail to complete conditions 1-4 during the semester that they have applied for acceptance will be dropped from all pre-registered upper-level agriculture courses.

Students will be notified by the Division Chair whether they are accepted into upper-level courses. Students applying by March 15 will be notified prior to Spring Semester preregistration, and students applying by October 15 will be notified prior to Fall Semester preregistration. Students receiving conditional status will be notified of their acceptance or denial by May 22 for spring applicants and December 22 for fall applicants. Notification of compliance for students taking summer classes will be made no later than August 15. Students taking courses at other schools must

have their official transcripts sent to the Division Chair if notification of final acceptance is desired for the subsequent semester.

Students denied acceptance for a particular semester may reapply by the deadline for the subsequent semester.

Entering Fall and Spring transfer students who have completed almost all of their General Education and Supportive Requirements must also apply for admission to upper-level courses. They may be granted admission if taking upper-level courses is deemed necessary for normal progression toward graduation.

The appeal process for students denied admission includes in sequence: Chair of the Division of Agriculture, Provost, and UAM Academic Appeals Committee.

## Major and Minor Requirements

All baccalaureate degrees require at least 124 hours of college credit courses at the 1000-level or above. These courses must include the General Education requirements found on page 51 and at least 40 hours of 3000-4000 level courses. The following courses are required for this major.

### Major Course Requirements for All Options: 21

#### Hours

ANSC	1003	Principles of Animal Science
AGRO	1033	Principles of Field Crops
AGRI	1101	Agriculture Orientation
AGRO	2244	Soils
AGEC	2273	Agricultural Economics
ENTO	2283	Applied Entomology
AGRI	4771	Seminar

One of the following courses:

AGEC	4623	Farm Management
AGEC	4803	Agribusiness Firm Management

### Agri-Business Option

Option and Supportive Requirements: 76/78 Hours

CHEM	1103	General Chemistry I
CHEM	1113	General Chemistry II
CHEM	1121	General Chemistry I Lab
CHEM	1131	General Chemistry II Lab
MATH	1043	College Algebra

One of the following courses:

BIOL	1153	General Zoology AND
BIOL	1161	General Zoology Lab
	or	
BIOL	1143	General Botany AND
BIOL	1171	General Botany Lab

BIOL	1063	Introduction to Biological Science
BIOL	1071	Introduction to Biological Science lab
CIS	2223	Microcomputer Applications
ECON	2203	Principles of Macroeconomics
ACCT	2213	Principles of Accounting
ENGL	3253	Technical Writing
G B	3533	Legal Environment of Business
AGEC	4683	Commodity Marketing
AGEC	4713	Agricultural Finance
		One of the following courses:
AGEC	4703	Contract Marketing and Futures Trading

AGEC 4813 Agricultural Price Analysis

Three of the following courses:

AGEC	4613	Agricultural Policy
AGEC	4823	Economics of Environmental Management
AGEC	4803	Agribusiness Firm Management*
AGEC	4623	Farm Management*
AGRI	4783	Internship

(\*Cannot also satisfy core requirement)

One of the following courses:

FIN	3413	General Insurance
MGMT	3473	Principles of Management
FIN	3483	Real Estate Principles
MKT	3403	Principles of Marketing
FIN	4683	Real Estate Finance

One of the following courses:

ANSC	2213	Feeds and Feeding
AGEN	2263	Soil & Water Conservation
HORT	2443	Principles of Horticulture

One of the following courses:

AGRO	2053	Applied Plant Pathology
AGRO	3533	Introduction to Weed Science

One of the following courses:

G B	2113	Business Statistics I
PSY	2203	Statistical Methods

Two of the following courses:

ANSC	3314	Aquaculture
ANSC	3463	Poultry Production
ANSC	3474	Beef Production
ANSC	3493	Swine Production
ANSC	3523	Horse Production

Two of the following courses:

AGRO	3453	Forage Crops
AGRO	3503	Cereal Crops
AGRO	3513	Fiber and Oilseed Crops

### Animal Science Option

Option And Supportive Requirements: 72/73 hours

BIOL	1063	Introduction to Biological Science
BIOL	1071	Introduction to Biological Science Lab
BIOL	1153	General Zoology
BIOL	1161	General Zoology Lab
BIOL	3553	Microbiology
BIOL	3561	Microbiology Lab
CHEM	1103	General Chemistry I
CHEM	1121	General Chemistry I Lab
CHEM	1113	General Chemistry II
CHEM	1131	General Chemistry II Lab
CHEM	2203	Introduction to Organic and Biochemistry
CIS	2223	Microcomputer Applications
ENGL	3253	Technical Writing
MATH	1043	College Algebra
PSY	2203	Statistical Methods
AGRO	3453	Forage Crops
ANSC	2213	Feeds and Feeding
ANSC	2223	Anatomy and Physiology of Domestic Animals
ANSC	3413	Livestock Breeding and Genetics
ANSC	3474	Beef Production

Two of the following courses:

ANSC	3314	Aquaculture
ANSC	3463	Poultry Production

- ANSC 3493 Swine Production
- ANSC 3523 Horse Production
- ANSC 4633 Animal Metabolism and Nutrition
- ANSC 4643 Diseases of Domestic Animals
- ANSC 4653 Reproduction of Farm Animal

One of the following courses:

- AGRO 2053 Applied Plant Pathology
- AGRO 3533 Introduction to Weed Science

One of the following courses:

- AGEC 4683 Commodity Marketing
- AGEC 4703 Contract Marketing and Futures Trading

## Plant and Soil Science Option

Option and Supportive Requirements: 71 Hours

- CHEM 1103 General Chemistry I
- CHEM 1121 General Chemistry I Lab
- CHEM 1113 General Chemistry II
- CHEM 1131 General Chemistry II Lab
- BIOL 1063 Introduction to Biological Science
- BIOL 1071 Introduction to Biological Science Lab
- ESCI 1063 Elements of Geology
- BIOL 1143 General Botany
- BIOL 1171 General Botany Lab
- AGRO 2053 Applied Plant Pathology
- CIS 2223 Microcomputer Applications
- MATH 1043 College Algebra
- CHEM 2203 Introduction to Organic and Biochemistry
- PSY 2203 Statistical Methods
- ENGL 3253 Technical Writing
- HORT 2443 Principles of Horticulture
- AGEN 2263 Soil and Water Conservation
- AGRO 3453 Forage Crops
- AGRO 3503 Cereal Crops
- AGRO 3513 Fiber and Oilseed Crops
- AGRO 3533 Introduction to Weed Science
- BIOL 3553 Microbiology
- BIOL 3561 Microbiology Lab
- AGEC 4613 Agricultural Policy
- AGRO 4743 Soil Fertility
- AGRO 4753 Crop Physiology

One of the following courses:

- AGEC 4683 Commodity Marketing
- AGEC 4703 Contract Marketing and Futures Trading

## General Agriculture Option

Option and Supportive Course Requirements: 76/77 Hours

- CHEM 1103 General Chemistry I
- CHEM 1121 General Chemistry I Lab
- CHEM 1113 General Chemistry II
- CHEM 1131 General Chemistry II Lab

One of the following courses:

- BIOL 1153 General Zoology AND
- BIOL 1161 General Zoology Lab
- or
- BIOL 1143 General Botany AND
- BIOL 1171 General Botany Lab

- PSY 2203 Statistical Methods or GB 2113 Business Statistics I
- BIOL 1063 Introduction to Biological Science
- BIOL 1071 Introduction to Biological Science Lab
- ENGL 3253 Technical Writing

- CIS 2223 Microcomputer Applications
- MATH 1043 College Algebra

Four of the following courses:

- AGEN 2263 Soil and Water Conservation
- AGRO 2053 Applied Plant Pathology
- ANSC 2213 Feeds and Feeding
- ANSC 2223 Anatomy and Physiology of Domestic Animals
- HORT 2443 Principles of Horticulture

Four of the following courses:

- AGRO 3453 Forage Crops
- AGRO 3503 Cereal Crops
- AGRO 3513 Fiber and Oilseed Crops
- AGRO 3533 Introduction to Weed Science
- AGRO 4743 Soil Fertility
- AGRO 4753 Crop Physiology

Four of the following courses:

- ANSC 3314 Aquaculture
- ANSC 3463 Poultry Production
- ANSC 3474 Beef Production
- ANSC 3493 Swine Production
- ANSC 3523 Horse Production
- ANSC 4633 Advanced Animal Nutrition
- ANSC 4653 Reproduction of Farm Animals

Four of the following courses:

- AGEC 4613 Agricultural Policy
- AGEC 4683 Commodity Marketing
- AGEC 4703 Contract Marketing and Futures Trading
- AGEC 4713 Agricultural Finance
- AGEC 4803 Agribusiness Firm Management
- AGEC 4813 Agricultural Price Analysis
- AGEC 4823 Economics of Environmental Management

## Agri-Business Minor 18 hours

- AGEC 2273 Agricultural Economics
- or

- ECON 2213 Principles of Macroeconomics

Fifteen hours of AGECE courses selected from the following courses:

- AGEC 4613 Agricultural Policy
- AGEC 4623 Farm Management
- AGEC 4683 Commodity Marketing
- AGEC 4703 Contract Marketing and Futures Trading
- AGEC 4713 Agricultural Finance
- AGEC 4803 Agribusiness Firm Management
- AGEC 4813 Agricultural Price Analysis
- AGEC 4823 Economics of Environmental Management

## Animal Science Minor 18/19 hours

- ANSC 1003 Principles of Animal Science 3 hours

One of the following courses:

- ANSC 2213 Feeds and Feeding
- ANSC 2223 Anatomy and Physiology of Domestic Animals

Four of the following courses:

- ANSC 3413 Livestock Breeding and Genetics
- ANSC 3463 Poultry Production
- ANSC 3474 Beef Production
- ANSC 3493 Swine Production
- ANSC 3523 Horse Production
- ANSC 4633 Animal Metabolism and Nutrition
- ANSC 4643 Diseases of Domesticated Animals
- ANSC 4653 Reproduction of Farm Animals

### Plant and Soil Science Minor 19 hours

AGRO 1033 Principles of Field Crops

AGRO 2244 Soils

Choose any four of the following courses:

AGRO 3503 Cereal Crops

AGRO 3513 Fiber and Oilseed Crops

AGRO 3533 Introduction to Weed Science

AGRO 3453 Forage Crops

AGRO 4743 Soil Fertility

AGRO 4753 Crop Physiology

### Agriculture Minor - 25/26 hours

AGEC 2273 Agricultural Economics

AGRO 1033 Principles of Field Crops

AGRO 2244 Soils

ANSC 1003 Principles of Animal Science

HORT 2443 Principles of Horticulture

One of the following courses:

AGEN 2263 Soil and Water Conservation

AGRO 2053 Applied Plant Pathology

ANSC 2213 Feeds and Feeding

ENTO 2283 Applied Entomology

One of the following courses:

AGRO 3453 Forage Crops

AGRO 3503 Cereal Crops

AGRO 3513 Fiber and Oilseed Crops

One of the following courses:

ANSC 3314 Aquaculture

ANSC 3463 Poultry Production

ANSC 3474 Beef Production

ANSC 3493 Swine Production

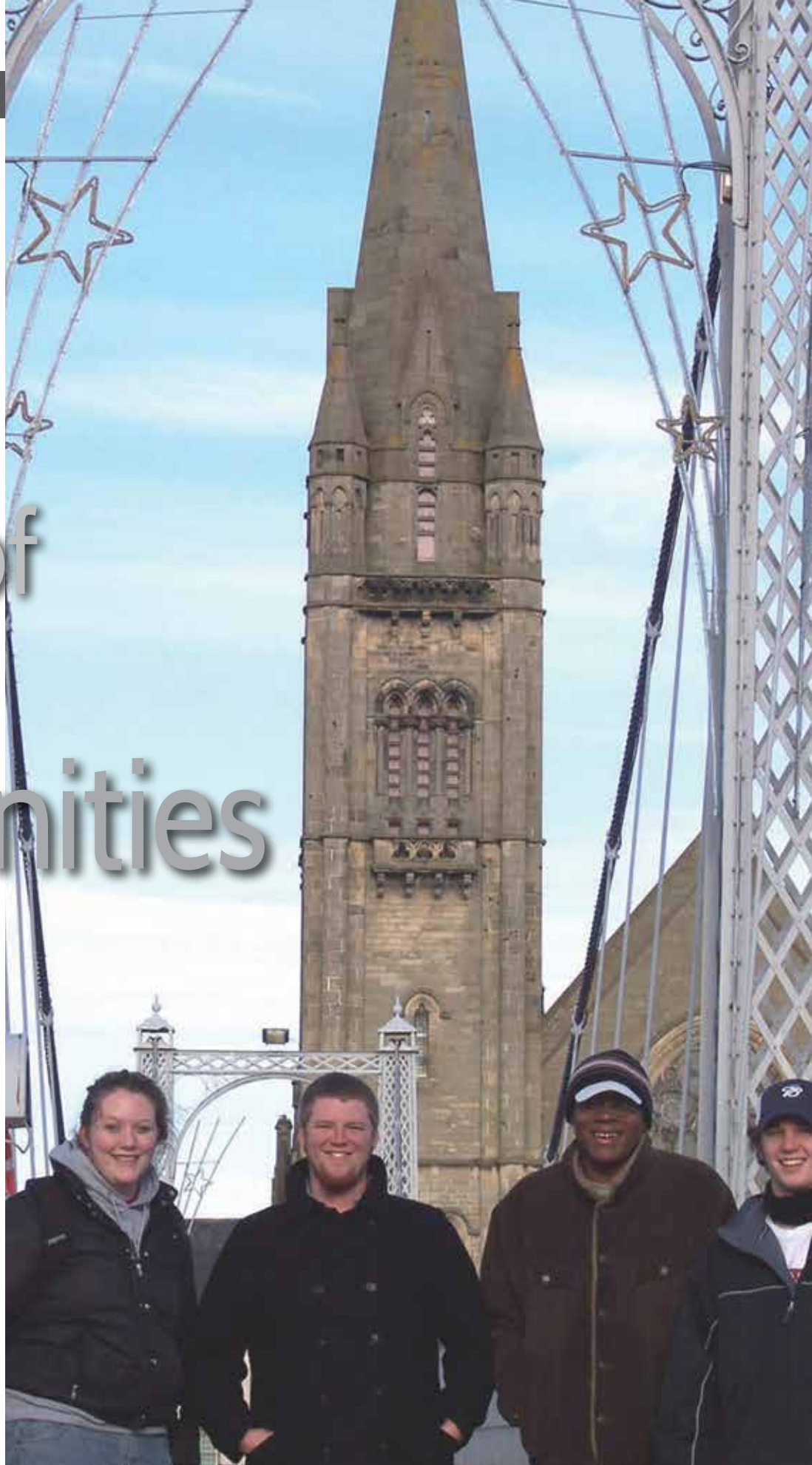




# 62

## School of Arts & Humanities

Location: Memorial Classroom Building  
Telephone: (870) 460-1078  
Fax: (870) 460-1961  
Mailing Address: P.O. Box 3460  
Monticello, AR 71656





## Faculty/Mission

Professors Becker, Marshall, Matthews, Moore, Richard, Skinner, Stewart, Spencer (Dean), Tranaand Webster; Associate Professors Hall (Associate Dean); Assistant Professors Bloom, Koskoski, Lobitz, Lykens, Meggs, Payne, Redmon, Sitton and Walter; Instructors I. Bacon, Evans, Hartness, Hendricks, Kuttenkuler, Pack, Watson and Wegley.

The mission of the School of Arts and Humanities, which includes the Division of Music, is to offer significant exposure to language, literature and writing, communication, and artistic expression, as well as quality educational opportunities in music, providing students with the knowledge and experience necessary to develop personal and professional skills in these areas. The School's dual function is to provide courses for its own baccalaureate programs and for the general education program in the fields of writing, speaking, art and music.

The School of Arts and Humanities offers five Bachelor of Arts alternatives of specialization in Art, English, Journalism, Music, and Speech Communication. An English major with a concentration in writing is offered. The Bachelor of Arts in Music has concentrations in voice, piano, instrumental, and music theatre. A Bachelor of Music Education is also offered with concentrations in voice, piano, and instrumental. The School offers minors in Art, English, French, Journalism, Music, Spanish, and Speech Communication. The School of Arts and Humanities program offerings are available to all campus disciplines through service courses.

## Support Goals

1. Provide a foundation in fundamentals of writing, reading, speaking, and listening as essential preparation for any career.
2. Provide support in program offerings for major/minor students in the School of Arts and Humanities seeking careers in teaching, business, and media.
3. Provide service support in a variety of program offerings for students selecting careers in other disciplines.
4. Promote campus-wide application of writing fundamentals through a writing center.
5. Provide opportunities for aesthetic experiences in art and music.

## Major and Minor Requirements

### NOTES:

1. All baccalaureate degrees require at least 124 hours of college credit courses at the 1000-level or above. These courses must include the General Education requirements found elsewhere in this catalog and at least 40 hours of 3000-4000 level courses. Students planning to teach should review the certification requirements provided by the School of Education.
2. All majors, with the exception of music majors, in the School of Arts and Humanities must also complete a minor, an approved collateral, or the requirements for teacher certification.
3. A grade of "C" or better must be earned in ENGL 0133 and ENGL 1013 before a student may enroll in the next higher compo-

sition course.

## Art Major Student Learning Outcomes

Students who graduate with a Bachelor of Arts degree in Art should be able to:

1. Understand and be proficient with different art media.
2. Use effective research skills in the discipline of art.
3. Have a basic knowledge of the history, practice, and use of art in history.
4. Recognize and demonstrate knowledge of major periods, artists, and artworks of importance.
5. Produce artworks from a variety of conceptual, theoretical, or inspirational points of view.
6. Plan, promote, and hold an exhibition of their work.
7. Present a concise portfolio of their work that would allow them to apply for further study or secure employment in the arts.

## Major Requirements: 36 hours

Required Courses: 15 hours

ART	1013	Drawing I
ART	1023	Design and Color
ART	3403	Art History I Survey: Prehistoric to Renaissance
ART	3413	Art History II Survey: Renaissance to present
ART	4693	Senior Thesis

Electives: 21 hours

Choose from the following courses:

ART	1063	3-D Design
ART	2203	Water Color
ART	2223	Ceramics I
ART	2243	Painting I
ART	2263	Ceramics II
ART	2273	Metals
ART	2283	Drawing II
ART	2293	Printmaking
ART	3313	Advanced Drawing
ART	3323	Painting II
ART	3333	Painting III
ART	3343	Advanced Printmaking
ART	3423	Advanced Watercolor
ART	3713	Ceramics III
ART	4723	Ceramics IV
ART	4743	Painting IV
ART	4733	Special Topics in Art History
ART	468V	Art Practicum
ART	479V	Independent Study in Art

NOTE: At least 12 hours of art electives must be at the 3000-4000 level.

## Art Minor Minor Requirements: 18 hours

Required courses: 3 hours

Choose one of the following courses:

- ART 3403 Art History I Survey: Prehistoric to Renaissance  
ART 3413 Art History II Survey: Renaissance to Present

Electives: 15 hours

Choose from the following courses:

- ART 1013 Drawing I  
ART 1023 Design and Color  
ART 1053 Art Appreciation  
ART 1063 3-D Design  
ART 2203 Watercolor  
ART 2223 Ceramics I  
ART 2243 Painting I  
ART 2263 Ceramics II  
ART 2273 Metals  
ART 2283 Drawing II  
ART 2293 Printmaking  
ART 3313 Advanced Drawing  
ART 3323 Painting II  
ART 3333 Painting III  
ART 3343 Advanced Printmaking  
ART 3423 Advanced Watercolor  
ART 3713 Ceramics III  
ART 4723 Ceramics IV  
ART 4733 Special Topics in Art History  
ART 4743 Painting IV  
ART 468V Art Practicum  
ART 479V Independent Study in Art

NOTE: At least SIX hours of art electives must be at the 3000-4000 level.

## English Major

### Student Learning Outcomes

Students who earn the Bachelor of Arts in English should:

1. Demonstrate the ability to write fluently, concisely, and clearly.
2. Demonstrate the ability to read literary texts analytically and critically.
3. Demonstrate good research skills.
4. Demonstrate an understanding of literary history, including literary movements and the evolutions of the genres.
5. Demonstrate knowledge of the history and structure of the English language.

## English Major

### (Creative Writing Concentration)

#### Major Requirements: 39 hours

Required Courses: 30 hours

- ENGL 2223 Introduction to Creative Writing  
ENGL 2303 Creative Nonfiction Writing  
ENGL 2323 Introduction to Literary Studies  
ENGL 3333 Foliate Oak Practicum  
ENGL 3543 Creative Writing  
ENGL 4683 Seminar in Writing: Special Topics  
ENGL 4703 Contemporary Writers  
ENGL 479V Independent Study–Senior Project (must be taken for 3 hours)

Six hours from the following courses:

- ENGL 3403 American Literature I  
ENGL 3413 American Literature II  
ENGL 3423 British Literature I  
ENGL 3433 British Literature II

Electives: 9 hours

Choose from the following courses:

- ENGL 2283 World Lit I or ENGL 2293 World Lit II  
(whichever one not used for Humanities cluster requirement)  
ENGL 3253 Technical Writing  
ENGL 3343 The Bible as Literature  
ENGL 3403 American Literature I  
ENGL 3413 American Literature II  
ENGL 3423 British Literature I  
ENGL 3433 British Literature II  
ENGL 3453 The Short Story  
ENGL 3573 Literature for Adolescents  
ENGL 3583 Critical Theory and Approaches to Literature  
ENGL 4593 Introduction to Language Study  
ENGL 4613 The British Novel  
ENGL 4623 Shakespeare  
ENGL 4633 The American Novel  
ENGL 4663 Modern Poetry  
ENGL 4713 Literature of the South  
ENGL 4723 Seminar in English  
ENGL 4733 Minority Writers  
ENGL 4743 Film and Literature  
ENGL 4753 Advanced Grammar  
ENGL 479V Independent Study in English

Supportive Requirements:

12 hours of one language other than English

## English Minor

### (Creative Writing Concentration)

#### Minor Requirements: 21 hours

Required Courses: 18 hours

- ENGL 2223 Introduction to Creative Writing  
ENGL 2303 Creative Nonfiction  
ENGL 2323 Introduction to Literary Studies  
ENGL 3333 Foliate Oak Practicum  
ENGL 3543 Creative Writing  
ENGL 4703 Contemporary Writers  
3 elective hours in ENGL or JOUR

## English Major

### (Literature Concentration)

#### Major Requirements: 36 hours

Required Courses: 30 hours

- ENGL 2323 Introduction to Literary Studies  
ENGL 3403 American Literature I  
ENGL 3413 American Literature II  
ENGL 3423 British Literature I  
ENGL 3433 British Literature II  
ENGL 4593 Introduction to Language Study  
ENGL 4623 Shakespeare  
ENGL 4753 Advanced Grammar  
ENGL 4763 Advanced Composition

One of the following courses:

- ENGL 4613 The British Novel or
- ENGL 4633 The American Novel or
- ENGL 4703 Contemporary Writers

Electives: 6 hours

Choose from the following courses:

- ENGL 2223 Introduction to Creative Writing
- ENGL 2283 World Literature I  
or
- ENGL 2293 World Literature II  
(whichever one not used for Humanities cluster requirement)
- ENGL 2303 Creative Nonfiction Writing
- ENGL 3253 Technical Writing
- ENGL 3333 Foliate Oak Practicum
- ENGL 3343 The Bible as Literature
- ENGL 3453 The Short Story
- ENGL 3543 Creative Writing
- ENGL 3573 Literature for Adolescents
- ENGL 3583 Critical Theory and Approaches to Literature
- ENGL 4613 The British Novel
- ENGL 4633 The American Novel
- ENGL 4663 Modern Poetry
- ENGL 4733 Minority Writers
- ENGL 4703 Contemporary Writers
- ENGL 4713 Literature of the South
- ENGL 4723 Seminar in English
- ENGL 4733 Minority Writers
- ENGL 4743 Film and Literature
- ENGL 479V Independent Study in English

Supportive Requirements:

12 hours of one language other than English.

## English Minor

(Literature Concentration)

Minor Requirements: 21 hours

Required Courses: 21 hours

- ENGL 2323 Introduction to Literary Studies
- ENGL 3403 American Literature I
- ENGL 3413 American Literature II
- ENGL 3423 British Literature I
- ENGL 3433 British Literature II
- ENGL 4593 Introduction to Language Study
- ENGL 4623 Shakespeare

## English Major

(Professional Writing Concentration)

Major Requirements: 39 hours

Required Courses: 27 hours

- ENGL 2323 Introduction to Literary Studies
- ENGL 3253 Technical Writing
- ENGL 3333 Foliate Oak Practicum
- ENGL 4683 Seminar in Writing: Special Topics
- ENGL 4753 Advanced Grammar
- JOUR 2203 Introduction to Journalism
- JOUR 479V Independent Study—Senior Project (must be taken for 3 hours)

Six hours from the following courses:

- ENGL 3403 American Literature I
- ENGL 3413 American Literature II

- ENL 3423 British Literature I
- ENGL 3433 British Literature II

Electives: 12 hours

Choose from the following courses:

- ENGL 2223 Introduction to Creative Writing
- ENGL 2283 World Lit I or ENGL 2293 World Lit II  
(whichever one not used for Humanities cluster requirement)
- ENGL 3343 The Bible as Literature
- ENGL 3403 American Literature I
- ENGL 3413 American Literature II
- ENGL 3423 British Literature I
- ENGL 3433 British Literature II
- ENGL 3453 The Short Story
- ENGL 3543 Creative Writing
- ENGL 3573 Literature for Adolescents
- ENGL 3583 Critical Theory and Approaches to Literature
- ENGL 4593 Introduction to Language Study
- ENGL 4613 The British Novel
- ENGL 4623 Shakespeare
- ENGL 4633 The American Novel
- ENGL 4663 Modern Poetry
- ENGL 4703 Contemporary Writers
- ENGL 4713 Literature of the South
- ENGL 4723 Seminar in English
- ENGL 4733 Minority Writers
- ENGL 4743 Film and Literature
- ENGL 479V Independent Study in English

JOUR courses can be used as elective hours with approval of the advisor and the Dean.

Supportive Requirements:

12 hours of one language other than English.

## English Minor

(Professional Writing Concentration)

Minor Requirements: 21 hours

Required Courses: 15 hours

- ENGL 2323 Introduction to Literary Studies
  - ENGL 3253 Technical Writing
  - ENGL 3333 Foliate Oak Practicum
  - ENGL 4753 Advanced Grammar
  - JOUR 2203 Introduction to Journalism
- 6 elective hours in ENGL or JOUR

## French Minor

Student Learning Outcomes

Students completing a minor in French should:

1. Understand the spoken language, particularly where context strongly supports understanding and speech is clearly audible.
2. Respond to spoken questions and statements.
3. Understand the written language as used in practical daily life involving learned vocabulary.
4. Write the language as used in practical daily life involving learned vocabulary.
5. Demonstrate knowledge of important aspects of contemporary culture.

**French Minor Requirements: 18 hours**

FREN 1013 Elementary French II  
 FREN 2203 Intermediate French I  
 FREN 2213 Intermediate French II  
 9 hours of French electives at the 3000-4000 level

**Journalism Major**

Students who earn the Bachelor of Arts in Journalism should:

1. Demonstrate the ability to write news stories and feature articles fluently, concisely, and clearly.
2. Demonstrate an understanding of the practices and importance of mass media.
3. Demonstrate an understanding of journalistic ethics.
4. Demonstrate skill in using the technologies commonly used in newspaper and magazine production.

**Major Requirements: 36 hours**

JOUR 2203 Introduction to Journalism  
 JOUR 2223 Mass Communication  
 JOUR 2211 Journalism Lab (1 credit)(3 hours required)  
 JOUR 3013 Newswriting  
 JOUR 4033 News Editing  
 JOUR 4243 Seminar in Journalism

Journalism Major Electives: 18 hours

Choose from the following courses:

JOUR 2211 Journalism Lab (1 credit)(up to 3 additional hours)  
 JOUR 3023 Introduction to Public Relations  
 ENGL 3253 Technical Writing  
 SPCH 3453 Persuasion  
 SPCH 3533 Communication in Organizations  
 JOUR 3043 Feature Writing  
 JOUR 4243 Seminar in Journalism (up to 3 additional hours)  
 JOUR 425V Journalism Internship (up to 6 hours credit toward major)  
 JOUR 479V Independent Study in Journalism (up to 6 hours credit toward major)

Supportive Requirement: 3 hours

SPCH 1023 Public Speaking or  
 SPCH 1043 Honors Speech Communication

**Journalism Minor****Journalism Minor Requirements: 18 hours**

Required Courses: 12 hours

JOUR 2203 Introduction to Journalism  
 JOUR 2223 Mass Communication  
 JOUR 2211 Journalism Lab (1 credit)(3 hours required)  
 JOUR 3013 Newswriting

Electives: 6 hours

Choose from the following courses:

JOUR 2211 Journalism Lab (1 credit)(up to 3 additional hours)  
 JOUR 3023 Introduction to Public Relations  
 JOUR 3043 Feature Writing  
 ENGL 3253 Technical Writing  
 JOUR 4033 News Editing  
 JOUR 4243 Seminar in Journalism (up to 6 hours credit toward minor)

JOUR 425V Journalism Internship (up to 3 hours credit toward minor)

Nine (9) hours of 3000-4000-level courses are required.

**Spanish Minor****Student Learning Outcomes**

Students completing a minor in Spanish should:

1. Understand the spoken language, particularly where context strongly supports understanding and speech is clearly audible.
2. Respond to spoken questions and statements.
3. Understand the written language as used in practical daily life involving learned vocabulary.
4. Write the language as used in practical daily life involving learned vocabulary.
5. Demonstrate knowledge of important aspects of contemporary culture.

**Spanish Minor Requirements: 18 hours**

SPAN 1013 Elementary Spanish II  
 SPAN 2203 Intermediate Spanish I  
 SPAN 2213 Intermediate Spanish II  
 SPAN 3503 Conversational Spanish I  
 6 hours of Spanish electives at the 3000-4000 level

**Spanish Study Abroad Program**

3 - 6 Credit Hours

Prerequisite: SPAN 1003 or consent of the Director of Study Abroad Program.

Students may earn up to six semester credit hours (two courses) per summer session in a Spanish-speaking country. Students will register and pay fees at UAM for one or two courses selected from the Spanish courses listed in the catalog. The program requires daily attendance and participation from Monday through Friday, a minimum of three cultural field trips as designated by UAM's director of the program and the institution of higher learning abroad, daily journal entries written in Spanish, a midterm examination, and a final examination graded by the Director of Study Abroad Program from the University of Arkansas at Monticello. The evaluation of the student's grade is decided by the professors teaching the students and the UAM Director of Study Abroad. Grades are based on daily participation and performance, oral proficiency, journals, and two examinations. Students live with a family of the host country and are required to speak Spanish at all times.

Objectives of the Study Abroad Program:

Develop oral proficiency in Spanish through a total immersion program.

Develop an awareness and understanding of the culture of the host country through family life, field trips, cultural activities, and daily life in the host country.

**Speech Communication Major****Student Learning Outcomes**

Students who earn the Bachelor of Arts in Speech should:

1. Send and receive both verbal and nonverbal messages that meet critical standards.
2. Demonstrate facility in using major theorists in message

analysis.

3. Identify and resolve conflict issues in message construction and reception.

4. Demonstrate significant skill in adapting messages to any type of communication – i.e. intrapersonal through mediated.

5. Create formal messages using credible research methods and solid reasoning to draw conclusions.

## Major Requirements: 36 hours

Major Core Requirements: 24 hours

SPCH 2203 Interpersonal Communication

SPCH 2223 Mass Communication

SPCH 2273 Argumentation and Debate

SPCH 2293 Introduction to Communication Studies

SPCH 3513 Introduction to Oral Interpretation

SPCH 4633 Senior Capstone in Speech Communication

SPCH 4653 Theories of Human Communication

One of the following courses:

SPCH 3483 Communication in Small Groups

SPCH 3533 Communication in Organizations

Electives 12 hours

Twelve hours of electives from any SPCH course not in the required core or a supportive requirement, nine hours of which must be at the 3000-4000 level.

NOTE: A maximum of six hours credit may be earned in SPCH 340V (only three hours may be used toward a Speech Communication major or minor.)

Supportive Requirement: 3 hours

One of the following courses:

SPCH 1023 Public Speaking or

SPCH 1043 \* Honors Speech Communication

\*NOTE: Students may not take both SPCH 1023 and SPCH 1043 for credit.

## Speech Communication Minor

Minor Requirements: 18 hours

Core Requirements: 12 hours

SPCH 2223 Mass Communication

SPCH 2273 Argumentation and Debate

SPCH 2293 Introduction to Communication Studies

SPCH 3513 Introduction to Oral Interpretation

Minor Electives: 6 hours

Electives may be chosen from any speech course not in the required core or a supportive requirement at the 3000-4000 level.

NOTE: A maximum of six credits may be earned in SPCH 340V (only three hours may be used toward a Speech Communication major or minor.)

## Division of Music

Location: Music Building, Monticello

Telephone: (870) 460-1060

Fax: (870) 460-1260

Mailing Address: P.O. Box 3607, Monticello, AR 71656

The mission of the Division of Music is to offer quality educational opportunities in music that provide students with the techni-

cal skills and the theoretical and historical knowledge necessary for competence in their chosen areas of concentration, and

1. To prepare students at the baccalaureate level for successful careers in teaching and other musical occupations;

2. To prepare students in music for successful graduate study;

3. To provide students opportunities for cultural and aesthetic experiences through active participation in music;

4. To offer general education course work in music for all students of the University;

5. To provide cultural and aesthetic experiences for the University, the community, and southeast Arkansas through the presentation of recitals, concerts, musical theatre productions, master classes, workshops, and seminars.

## Music Learning Outcomes

A student who graduates from the Division of Music should be able to:

1. Perform proficiently on an instrument or voice;

2. Use knowledge of music history for contextual understanding of forms, genres, performance practice, notation, and biographical information of music from ancient times through the 21st century;

3. Organize and administer a school music program (not an expectation of students graduating with the Bachelor of Arts in Music degree);

4. Demonstrate knowledge of music theory and apply that knowledge in music performance.

## Degrees Offered

The Division of Music offers academic programs which lead to the Bachelor of Arts in Music degree, a liberal arts degree, with concentrations in voice, piano, instrumental, and music theatre, and the Bachelor of Music Education degree with concentrations in voice, piano, and instrumental.

## Accreditation

The University of Arkansas at Monticello is an accredited institutional member of the National Association of Schools of Music

## Ensemble Requirements

All music majors are required to participate in a major ensemble (Concert Choir, Marching Band or Concert Band) within their concentration area each semester in residence. Students with a concentration in Music Theatre must participate in Concert Choir. Students with a piano concentration may participate in any major music ensemble.

## Piano Proficiency Examination

All candidates for the Bachelor of Arts in Music or the Bach-

elor of Music Education degree must pass a piano proficiency examination. The Music Student Handbook outlines in detail the specific piano proficiency requirements.

## Applied Music Courses

All music majors must be enrolled in applied music each semester until completion of the Recital/Project.

Fees for private instruction are currently \$40 for one credit hour and \$55 for two credit hours.

## Jury Examinations

All students enrolled in applied lessons are evaluated at the end of each semester before a jury composed of music faculty. An unexcused absence from the jury may result in a failing grade in the applied lesson. Seniors who have given a satisfactory Recital/Project are exempt from the jury examination during that semester.

## Major Requirements

All baccalaureate degrees require at least 124 hours of college credit courses at the 1000-level or above. These courses must include the General Education requirements on page 51 of this catalog and at least 40 hours of 3000-4000 level courses.

## Bachelor of Arts in Music (Concentrations in Voice, Piano, Instrumental, and Music Theatre)

### Major Requirements: 52 hours

- MUS 1040 Recitals, Concerts, Productions\*
- MUS 1072 Music Technology
- MUS 1012 Introduction to Theory
- MUS 1023 Theory I
- MUS 1033 Theory II
- MUS 2213 Theory III
- MUS 2223 Theory IV
- MUS 1061 Ear Training/Sight Singing I
- MUS 1091 Ear Training/Sight Singing II
- MUS 2231 Ear Training/Sight Singing III
- MUS 2241 Ear Training/Sight Singing IV
- MUS 3563 Music History I
- MUS 3573 Music History II
- MUS 3413 Analysis and Music Literature

Major Area Applied Lessons (PMUS) 14 hours

PMUS 4011 Recital/Project 1 hour

Major Area Ensemble 8 hours

\*MUS 1040 must be taken each semester in residence for a total of 8 semesters. In addition to the core requirements students must complete the requirements for a concentration.

### Voice Concentration Requirements 16 hours

- MUS 4722 Choral Conducting
- 3000-4000 level Music Elective 14 hours

### Piano Concentration Requirements: 16 hours

- MUS 1051 Piano Repertoire

One of the following courses:

- MUS 4712 Instrumental Conducting or

- MUS 4722 Choral Conducting

MUS 4632 Piano Pedagogy

3000-4000 level Music Electives 11 hours

### Instrumental Concentration Requirements: 16 hours

- MUS 4712 Instrumental Conducting

3000-4000 level Music Electives 14 hours

### Music Theatre Concentration Requirements: 17 Hours

- MUS 1151 Dancing for Music Theatre

- MUS 1253 Acting in Musical Theatre I

- MUS 2263 Acting in Musical Theatre II

- MUS 3273 Acting in Musical Theatre III

- MUS 3333 History of the American Broadway Musical

- MUS 428V Music Theatre Workshop (4 hours)

Students with a concentration in Music Theatre must audition for the musical each spring they are in residency and accept any part offered.

Students pursuing the B.A. in music degree must also satisfy all requirements for a Bachelor of Arts degree found on page 52 of this catalog.

## Bachelor of Music Education (Concentrations in Voice, Piano, and Instrumental)

### Major Requirements: 56 hours

- MUS 1040 Recitals, Concerts, Productions\*

- MUS 1072 Music Technology

- MUS 1012 Introduction to Theory

- MUS 1023 Theory I

- MUS 1033 Theory II

- MUS 2213 Theory III

- MUS 2223 Theory IV

- MUS 1061 Ear Training/Sight Singing I

- MUS 1091 Ear Training/Sight Singing II

- MUS 2231 Ear Training/Sight Singing III

- MUS 2241 Ear Training/Sight Singing IV

- MUS 3441 Woodwind Class

- MUS 3481 Brass Class

- MUS 3491 Percussion Class

- MUS 3501 String Class

- MUS 3563 Music History I

- MUS 3573 Music History II

- MUS 3413 Analysis and Music Literature

- MUS 3583 Elementary Music Methods

Major Area Applied Lessons (PMUS). 12 hours

PMUS 4011 Recital/Project 1 hour

(Must be presented the semester prior to enrolling in Internship II)

Major Area Ensemble 7 hours

(The major area ensemble will satisfy the three hour PE elective requirement for teacher licensure.)

\*MUS1040 must be taken each semester in residence for a total of 8 semesters.

## Voice Concentration Requirements: 9 hours

Applied Piano (2 hours)

MUS 4783 Secondary Vocal Methods

MUS 4722 Choral Conducting

MUS 2292 Diction for Singers

## Piano Concentration Requirements: 10 hours

Applied Voice (2 hours)

MUS 1051 Piano Repertoire

MUS 4632 Piano Pedagogy

MUS 4722 Choral Conducting

MUS 4783 Secondary Vocal Methods

## Instrumental Concentration Requirements: 7 hours

Applied Voice (2 hours)

MUS 4613 Secondary Instrumental Methods

MUS 4712 Instrumental Conducting

## Professional Education Requirements: 0-36 hours

EDUC 1143 Education for Schools and Society

P E 2233 Instructional Technology

EDUC 2253 Needs of Diverse Learners in Inclusive Settings

EDUC 3203 Educational Psychology: Developing Learners

EDUC 3563 Effective Instructional and Management Strategies

EDUC 460V Clinical Internship I (4-6 hours)

EDUC 463V Clinical Internship II (12-15 hours)

Students must also complete all teacher licensure requirements of the Arkansas Department of Education. These requirements may be found in the School of Education section on page 94. of this catalog.

## Music Minor

### Minor Requirements: 22 hours

MUS 1072 Music Technology

MUS 1012 Introduction to Theory

MUS 1023 Theory I

MUS 1033 Theory II

MUS 1061 Ear Training/Sight Singing I

MUS 1091 Ear Training/Sight Singing II

One of the following courses:

MUS 3563 History of Music I or

MUS 3573 History of Music II or

MUS 3413 Analysis and Music Literature

Applied Music 4 hours

3000-4000 level Music Electives 5 hours



# 70

# School of Business

Location: Babin Business Center  
Telephone: (870) 460-1041  
Fax: (870) 460-1784  
Mailing Address: P. O. Box 3616  
Monticello, AR 71656





## Faculty/Mission

Professors Cabaniss, Gulledge, and James (Dean); Associate Professors Clayton, Graber, Hammett, and Patterson; Assistant Professors Alexander and Ke.

The mission of the School of Business is to serve the undergraduate educational needs of business students in southeast Arkansas and the region. Teaching and student learning are the highest priorities of a faculty dedicated to effective classroom instruction and advising. The School of Business faculty are also dedicated to providing service to the University, the profession, and the community; and they are actively engaged in scholarship that strengthens classroom instruction and assists the business community and the profession. The School of Business is firmly committed to continuous improvement in all three areas: teaching, service, and scholarship. The programs in Accounting and Business Administration share the common goal of preparing students to participate effectively in the complex business environment of the future.

The School offers a Bachelor of Business Administration degree with majors in Accounting and Business Administration; in the Business Administration major, concentrations are offered in Finance, Management, Marketing, Entrepreneurship, and Business Administration. The major program course requirements are listed under each program offered by the School of Business. All major programs are comprehensive, requiring a minimum of 57 credit hours of course work in approved business subjects and requiring no minors.

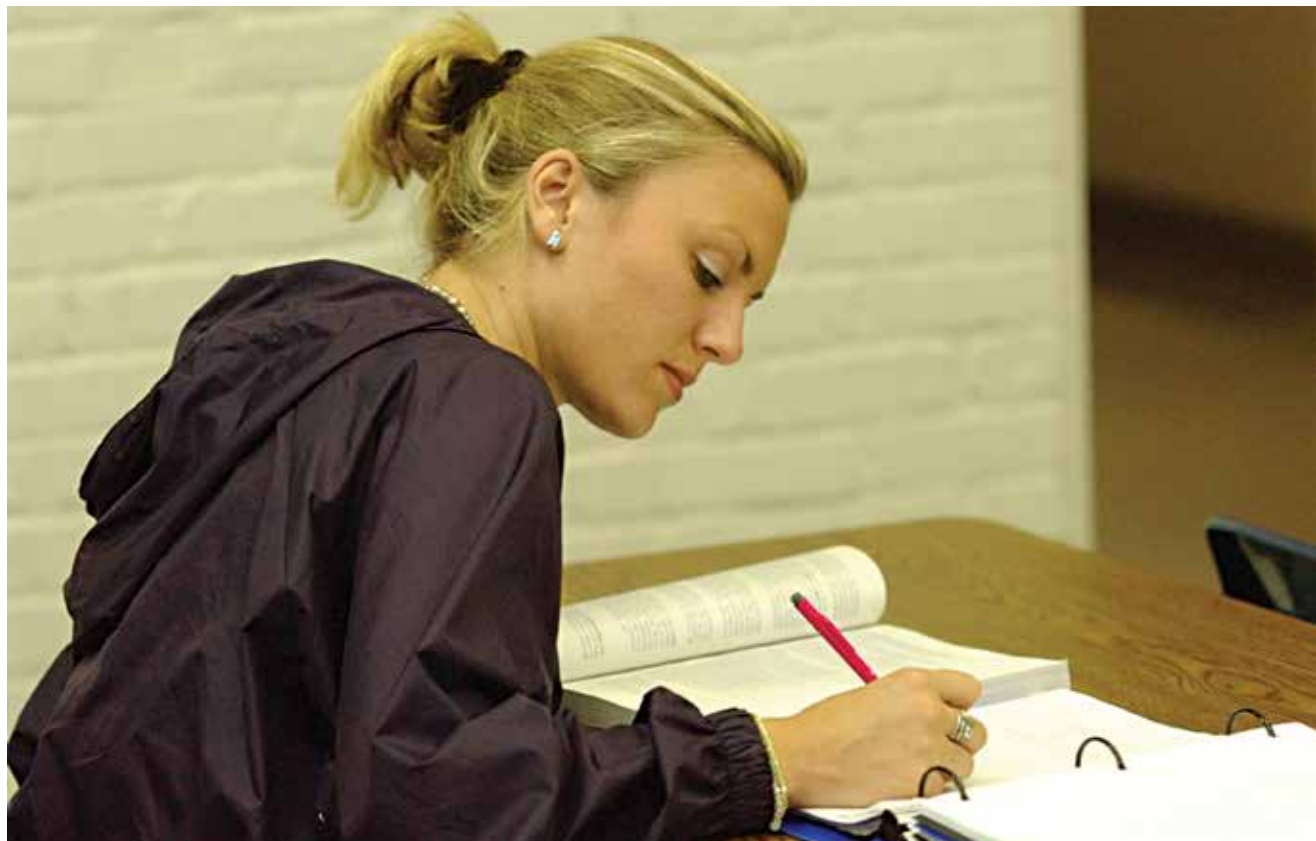
## The Bachelor of Business Administration Degree

The Bachelor of Business Administration degree requires 124 hours which includes the University's General Education program, the Business Core, and major requirements. The number of elective hours will depend on the major chosen and the General Education courses selected. For further information, consult your academic advisor.

Students transferring from another university must complete at least twelve hours of the upper-level business credit hours required for the B.B.A. degree at the University of Arkansas at Monticello. In addition, students must meet the University residency requirements.

### Business Core: 45 hours

ACCT	2213	Principles of Accounting I
ACCT	2223	Principles of Accounting II
ECON	2203	Principles of Macroeconomics
ECON	2213	Principles of Microeconomics
FIN	3473	Principles of Finance
G B	2113	Business Statistics I
G B	3043	Business Communications
G B	3233	Business Statistics II
G B	3353	International Business
G B	3533	Legal Environment of Business
MGMT	3473	Principles of Management and Organizational Behavior
MGMT	4643	Production/Operations Management
MGMT	4653	Strategic Management



MKT 3403 Principles of Marketing  
 MGMT 4613 Management Information Systems (Business Administration Major)  
 or  
 ACCT 4323 Accounting Information Systems (Accounting Major)  
 Supportive Requirement: 3 hours  
 CIS 2223 Microcomputer Applications

**Accounting**  
**Bachelor of Business Administration**  
**Business Core: 45 hours**

Supportive Requirement: 3 hours  
 Accounting majors must take ACCT 4323 Accounting Information Systems in place of MGMT 4613 Management Information Systems  
 Major Requirements: 30 hours  
 ACCT 3403 Intermediate Accounting I  
 ACCT 3413 Intermediate Accounting II  
 ACCT 3433 Cost Accounting I  
 ACCT 3523 Intermediate Accounting III  
 ACCT 4683 Federal Tax I  
 ACCT 4693 Federal Tax II

ACCT 4723 Advanced Accounting I  
 ACCT 4773 Auditing  
 Six (6) hours from the following courses:  
 ACCT 4333 Fraud Examination  
 ACCT 4633\* Governmental Accounting (required for CPA exam)  
 ACCT 4643 International Accounting  
 ACCT 4653 CPA Law Review  
 ACCT 4673 Cost Accounting II  
 ACCT 4733 Advanced Accounting II

\*Required in order to be eligible to sit for the CPA exam. In addition, a student must complete a minimum of 150 hours of college credit. Please see your academic advisor for details.

**Business Administration**  
**Bachelor of Business Administration**  
**Business Core: 45 hours**

Supportive Requirement: 3 hours  
 Business Administration majors must select a concentration from the areas of Business Administration, Entrepreneurship, Finance, Management, or Marketing. Each must complete all Business Core and Supportive Requirements in addition to those in the concentration.



## Business Administration Concentration: 18 hours

ACCT	3433	Cost Accounting I
FIN	4603	Financial Policy and Planning
GB	4363	Topics in E-Commerce
MGMT	3433	Entrepreneurship
MGMT	4633	Human Resource Management
MKT	3463	Consumer Behavior

## Entrepreneurship Concentration: 15 hours

MGMT	3433	Entrepreneurship
MGMT	4693	New Venture Development
MGMT	4703	Entrepreneurship Practicum

Six hours from the following courses:

FIN	4603	Financial Policy and Planning
G B	4363	Topics in E-Commerce
MGMT	4663	Advanced Organizational Behavior and Theory
MKT	4623	Marketing Research
MKT	4663	Marketing Management

## Finance Concentration: 15 hours

FIN	4603	Financial Policy and Planning
FIN	4613	Investments
ECON	3453	Money and Banking

Two of the following courses:

FIN	3413	General Insurance
FIN	3483	Real Estate Principles
FIN	4623	Topics in International Finance

## Management Concentration: 15 hours

MGMT	4633	Human Resource Management
MGMT	4663	Advanced Organizational Behavior and Theory

Nine hours from the following courses:

G B	4363	Topics in E-Commerce
MGMT	3433	Entrepreneurship
MGMT	3453	Industrial Relations
MGMT	4673	Global Organizational Behavior and Theory
MGMT	4683	Strategic Management of the Multinational Enterprise

## Marketing Concentration: 15 hours

MKT	3463	Consumer Behavior
MKT	4623	Marketing Research
MKT	4663	Marketing Management

Six hours from the following courses, three of which must be either MKT 3453 or MKT 3483

G B	4363	Topics in E-Commerce
MKT	3443	Selling and Sales Management
MKT	3453	Marketing Communications
MKT	3483	Channels of Distribution
MKT	4473	Special Topics in Marketing



# 74

# Division of Computer Information Systems

Location: Babin Business Center, Room 101  
Telephone: (870) 460-1031  
Fax: (870) 460-1831  
Mailing Address: P.O. Box 3467  
Monticello, AR 71656  
Internet: [CIS@uamont.edu](mailto:CIS@uamont.edu)  
<http://www.uamont.edu/cis/>



## Faculty/Mission

Professor Roiger (Chair), Associate Professors Hendrix, Marsh, and Selby; Instructors Donham, Harris, and Hopkins.

The mission of the Division of Computer Information Systems is to support the mission of the University of Arkansas at Monticello by focusing on the undergraduate educational needs of computer information system students in southeast Arkansas and the region. The Bachelor of Science degree in Computer Information Systems is designed to prepare students to assume dynamic roles as analysts and designers who will provide the professional insight required for building the information systems of the future.

The goal of the program in Computer Information Systems is to advance the development of those intellectual, personal, and professional attributes that prepare students to shape the complex computer software environment of the future. Graduates are prepared to begin careers as computer programmers, to rapidly progress to systems analysis responsibilities, and ultimately to occupy positions in management of information systems. Students augment their Computer Information Systems learning with selected courses in business and communication. This comprehensive program allows graduates to confidently advance in the complex business environment of the future.

The Division of Computer Information Systems offers a Bachelor of Science degree with a major in Computer Information Systems. An advanced certificate in Computer Information Systems and a minor in Computer Information Systems are also available.

The major program is comprehensive, requiring a minimum of 60 credit hours of course work in Computer Information Systems and approved courses in business, English, and oral communication.

## The Bachelor of Science Degree in Computer Information Systems

The Bachelor of Science degree in Computer Information Systems requires 124 hours which includes the University's General Education program, the University's Bachelor of Science mathematics and/or science requirements, major requirements, and supportive requirements. The number of elective hours will depend on the General Education and the Bachelor of Science mathematics and/or science required courses selected.

A total of 40 semester hours must be earned in courses numbered at the 3000-4000 level. ACCT 2213 and ECON 2213 must be taken prior to or concurrently with any junior or senior business course.

All baccalaureate degrees require at least 124 hours of college credit, courses at the 1000-level or above. These courses must include the General Education requirements found on page 51, the Bachelor of Science mathematics and/or science requirements found on page 96, and at least 40 hours of 3000-4000 level courses.

### Major Requirements: 36 hours

CIS	1013	Introduction to Computer-Based Systems
CIS	2203	Programming Logic and Design
CIS	2223	Microcomputer Applications
CIS	3103	Advanced Microcomputer Applications
CIS	3423	COBOL

CIS	3443	Object-Oriented Programming Languages
CIS	3523	Structured System Analysis and Design
CIS	3553	Advanced COBOL
CIS	4503	Business Data Communications
CIS	4623	Database Management Systems
CIS	4633	Application Software Development Project

Three credit hours of CIS electives at the 3000-4000 level

Supportive Requirements: 24 hours

ACCT	2213	Principles of Accounting I
ACCT	2223	Principles of Accounting II
ECON	2213	Principles of Microeconomics
ENGL	3253	Technical Writing
G B	2113	Business Statistics I
MKT	3403	Principles of Marketing

One of the following courses:

MGMT	3473	Principles of Management
MGMT	4613	Management Information Systems

One of the following courses:

SPCH	3483	Communication in Small Groups
SPCH	3533	Communication in Organizations

One hour of general electives must be at the 3000-4000 level.

## Advanced Certificate in Computer Information Systems: 24 hours

The Advanced Certificate program in Computer Information Systems is intended for individuals who hold a baccalaureate degree in another discipline and desire to demonstrate proficiency in computer information systems that would enhance their value in a current career and/or increase their viability for growth and advancement. The certificate program requires 24 credit hours of instruction.

**Minimum Entrance Requirements:** Baccalaureate degree from any accredited college or university.

**NOTE:** A maximum of six credit hours of discipline-related courses may be transferred from the qualifying completed baccalaureate degree.

**Certificate Courses:**

CIS	1013	Introduction to Computer-Based Systems
CIS	2203	Programming Logic and Design
CIS	2223	Microcomputer Applications

One of the following courses:

CIS	3423	COBOL or
CIS	3443	Object-Oriented Programming
CIS	3523	Structured System Analysis & Design
CIS	4503	Business Data Communications
CIS	4623	Database Management Systems

One other CIS course for which the prerequisites have been met, excepting CIS 370V: CIS Practicum and CIS 460V: Internship in CIS

## Minor in Computer Information Systems: 18 hours

CIS	2203	Programming Logic and Design
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One of the following courses:

CIS	3423	COBOL or
CIS	3443	Object-Oriented Programming Language
CIS	3523	Structured System Analysis and Design
CIS	4503	Business Data Communications

6 additional hours of Computer Information Systems courses

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# School of Education

Location: Willard Hall  
Telephone: (870) 460-1062  
Fax: (870) 460-1563  
Mailing Address: P.O. Box 3608  
Monticello, AR 71656  
Internet: <http://www.uamont.edu/education/>



## Faculty/Mission

Professors Jones, Terrell; Associate Professors Doss (Dean), King, and Lang; Assistant Professors: Carpenter, Martin, Massey, Ramirez, and Zimmerly. Instructors: Frazer, Givhan, Hunnicutt, Level, and Longing.

The University of Arkansas at Monticello School of Education is committed to the development of highly qualified teacher candidates. The School of Education embraces the responsibility to prepare teacher candidates to live and work in a rapidly changing, diverse world. Teacher education candidates are challenged to achieve the highest level of competencies defined in the UAM School of Education's Conceptual Framework and as modeled by the UAM School of Education Faculty. The Conceptual Framework is comprised of five strands: knowledge, pedagogy, professionalism, diversity, and technology. The teacher candidates' understanding of the Conceptual Framework is progressively developed as they advance through the teacher education programs. The UAM School of Education is dedicated to developing highly qualified teachers, as identified by the State of Arkansas and by the "No Child Left Behind" Act of 2001, through a partnership with the Southeast Educational Cooperative, area public schools, the university community, and Arkansas' high-need geographical areas.

## Title II - Higher Education Act of 1998

The University releases information on the quality of its teacher preparation program according to the requirements of Section 207 of Title II of the Higher Education Act as amended in 1998. The institutional pass rate on Praxis I and II examinations for candidates in the teacher preparation program at UAM was 100% for all program completers in the 2005-2006 cohorts.

## Conceptual Framework

The Conceptual Framework of the School of Education is organized around five strands that promote: the acquisition of a knowledge base; development of pedagogical skills; promotion of diversity and social justice; the demonstration of professionalism, and technology skills. The core belief through all strands is that the diverse population of P-12 students can learn. This philosophy is shared by faculty and teacher candidates alike and is infused throughout the curriculum and practice of faculty and teacher candidates. The essential behaviors identified through indicators of competence within each strand define the performance of initial candidates in the teacher education program. These indicators represent the knowledge, skills, and dispositions for all initial and advanced candidates and serve as a foundation to scaffold specific experiences, assessments, and learning opportunities.

The acquisition of knowledge, skills, and dispositions is developmental and cumulative to becoming a highly qualified educator. The School of Education faculty identified four transitions through which data are collected on candidate progression: 1) pre-admission to teacher education; 2) admission to teacher education; 3) admission to clinical internship; and 4) program completion/grad-

uation.

## Program Offerings

Programs offered in the School of Education include those leading to teacher licensure and those that do not lead to licensure. Those that do not lead to licensure are Exercise Science and a non-licensure program in Health and Physical Education. Both are described later in this section.

## Programs Leading To Teacher Licensure

The School of Education offers quality programs leading to teacher licensure in early childhood, middle childhood, and P-12 health and physical education. In addition, students seeking a Bachelor of Music Education degree complete the professional education core courses. For students interested in teaching at the secondary level in areas other than music and physical education, the School of Education offers the M.A.T. program, through which licensure may be earned after completion of a baccalaureate degree.

### Programs leading to licensure:

P-4 Early Childhood Education  
4-8 Middle Level Education  
P-12 Music  
P-12 Physical Education  
Master of Arts in Teaching (for secondary content major)

## Teacher Education Admission Requirements

### Transition Point I: Pre-admission

Candidates must complete the following courses with a grade of "C" or better in each course:

EDUC 1143 Education for Schools and Society  
ENGL 1013 Composition I  
ENGL 1023 Composition II

One of the following courses:

MATH 1003 Survey of Mathematics or  
MATH 1043 College Algebra

One of the following courses:

SPCH 1023 Public Speaking  
SPCH 2203 Interpersonal Communication  
SPCH 2283 Business and Professional Speaking

Candidates must complete the following courses with a grade of "B" or better in each course:

EDUC 2233 Instructional Technology (Prerequisite: EDUC 1143)  
EDUC 2253 Needs of Diverse Learners in Inclusive Settings  
(Prerequisite: EDUC 1143)

Supportive requirements:

1. Achieve a passing score on the Praxis I: PPST: Reading, Writing, and Math;
2. Completion of Portfolio Competencies for Transition Point

I;

3. Maintain a cumulative GPA of 2.65 or better;
4. Completion of Application for Admission to Teacher Education: 2 letters of recommendation.

**\*\*NOTE:** Candidates will not be permitted to take any education course beyond EDUC 1143, EDUC 2233, and EDUC 2253 without being admitted to the Teacher Education Program.

To be admitted to Transition Point II, Teacher Education Program, the candidate must:

1. Complete all requirements listed in Transition Point I, Pre-admission; and
2. Complete a successful interview with the Teacher Education Committee.

### Transition Point II: Teacher Education Program

Candidates must complete the following courses with a grade of "B" or better:

- EDUC 3203 Educational Psychology: Developing Learners  
(Prerequisite: Admission to Teacher Education Program)
- EDUC 3563 Effective Instructional and Management Strategies  
(Prerequisite: Admission to Teacher Education Program)

Supportive requirements:

1. Acquire and maintain a cumulative GPA of 2.75 or better;
2. Submit to a State of Arkansas and F.B.I. background check;
3. Achieve a passing score(s) on the PRAXIS II: Subject Assessment(s) for each area of licensure;
4. Completion of Portfolio Competencies for Transition Point II;
5. Completion of Application for Admission to Clinical Internship I.

To be admitted to Transition Point III, Clinical Internship, the student must complete all requirements listed in Transition Point II, Teacher Education Program.

### Transition Point III: Clinical Internship

Clinical Internship I:

1. Student must have a cumulative GPA of 2.75 or better;
2. Completion of Portfolio of Competencies for Internship I;
3. Achieve a passing score on the PRAXIS II—Principles of Learning and Teaching (PLT).

Clinical Internship II:

1. Student must have a cumulative GPA of 2.75 or better;
2. Completion of Portfolio Competencies for Transition Point III.

NOTE: These admission requirements are subject to change as required by the Arkansas Department of Education or as approved by the UAM Teacher Education Committee.

### Transition Point IV: Graduation

1. 124 hour minimum (completion of all degree requirements)
2. 2.75 GPA
3. Degree conferral.

## Teacher Education Field Experiences and Clinical

## Internships

The teacher education program at the University of Arkansas at Monticello supports the early involvement of its candidates in field experiences with P-12 students. Field experiences are sequenced, developmental, and focused on the practical application of content covered in education classes. The candidates will complete Clinical Internship I and a Clinical Internship II.

## Matriculating Through the Teacher Preparation Program

The teacher preparation program is comprised of three important components. The first component is general education. All candidates at UAM complete the general education requirements which provide a solid foundation for study that will occur in later courses. These courses are usually completed in the first two years. Secondly, all teacher education candidates complete the professional education core, regardless of their major. These courses are completed throughout the program, beginning in the first year of enrollment, and prepare the student for the basics of teaching and learning. Thirdly, candidates preparing to become teachers will complete specific course work in their major area that will prepare them for teacher licensure.

The teacher preparation program at UAM is subject to Arkansas Department of Higher Education and Arkansas Department of Education requirements. Please check with the School of Education for specific, updated courses needed to meet state licensure requirements for teaching.

## Bachelor of Arts / P-4 Early Childhood Majors

Candidates must satisfy:

- 1) the P-4 Early Childhood Majors General Education Requirements,
- 2) the Professional Education Core Courses,
- 3) the P-4 Early Childhood Major Courses, and
- 4) the Supportive Requirements.

### 1. P-4 Early Childhood Majors General Education Requirements

Humanities and Social Sciences: (30 hours)

Composition: 6 hours

ENGL 1013 Composition I or

ENGL 1033 Honors Composition I  
and

ENGL 1023 Composition II or

ENGL 1043 Honors Composition II

Fine Arts: 3 hours

One of the following courses:

ART 1053 Art Appreciation or

MUS 1113 Music Appreciation

Speech: 3 hours

One of the following courses:

SPCH 1023 Public Speaking



SPCH 2203 Interpersonal Communication  
SPCH 2283 Business and Professional Speech

Humanities Cluster: 6 hours

HIST 1013 Survey of Civilization I and  
ENGL 2283 Survey of World Literature I  
or

HIST 1023 Survey of Civilization II and  
ENGL 2293 Survey of World Literature II

Humanities Elective: 3 hours

To be chosen from the disciplines of Art, Music, Foreign Language, English, or Philosophy

U.S. History or Government: 3 hours

One of the following courses:

HIST 2213 American History I  
HIST 2223 American History II  
PSCI 2213 American National Government

Psychology or Sociology: 3 hours

One of the following courses:

PSY 1013 Introduction to Psychology  
SOC 2213 Introduction to Sociology

Social Science Elective: 3 hours

SOC 3453 Race and Ethnic Relations

Mathematics and Natural Science: (11 hours)

MATH 1003 Survey of Mathematics: 3 hours

Basic Sciences: 8 hours

Eight hours from two 3-hour lecture courses with associated 1-hour labs, or two 4-hour courses with integrated labs chosen from two of the following groups:

- (1) Astronomy, Earth Science
- (2) Biology
- (3) Chemistry, Physics

Mathematics, Science, or Technology Elective: 3 hours

To be chosen from the disciplines of Astronomy, Biology, Chemistry, Computer Information Systems, Computer Science, Earth Science, Mathematics, Physics, or Physical Science

TOTAL HOURS: 44

## 2. Professional Education Core Courses

All candidates majoring or minoring in education must complete the professional education core courses below unless otherwise indicated.

EDUC 1143 Education for Schools and Society: Developing Teacher Leaders

EDUC 2233 Instructional Technology

EDUC 2253 Needs of Diverse Learners in Inclusive Settings

EDUC 3203 Educational Psychology: Developing Learners

EDUC 3563 Effective Instructional and Management Strategies

TOTAL HOURS: 15

## 3. P-4 Early Childhood Major Courses

ECED 2103 Characteristics of Exceptionality

ECED 2213 Child and Language Development

ECED 2223 Developing Critical Literacy Skills

ECED 3303 Strategies for Teaching Students

ECED 3313 Classroom Management

ECED 3323 Assessing Young Children

ECED 3353 Early Childhood Education: Planning, Curriculum, and Programming

ECED 3383 Language Development

ECED 3403 Family and Community Relationships

ECED 4333 Math and Science for Young Children

ECED 4343 Literacy Acquisition and Development

ECED 4363 Language Arts and Social Studies for Young Children

ECED 4603 P-4 Early Childhood Clinical Internship I (must be taken as co-requisite with the appropriate content methods course offered in the major)

ECED 463V P-4 Early Childhood Clinical Internship II - Supervised Teaching

TOTAL HOURS: 51

## Supportive Requirements

ESCI 1073 Earth and Atmosphere (lab not required: cannot be used to satisfy basic science electives)

HIST 3593 Arkansas History

MATH 1043 College Algebra

MAED 2243 Fundamentals of Geometric concepts

MAED 3353 Number Systems

TOTAL HOURS: 15

## Bachelor of Arts - Middle Childhood Education

Candidates must complete:

1) Middle Childhood Education General Education Requirements,

2) the Additional Content Course Requirements,

3) the Emphasis Area Requirements,

4) the Professional Education Core Courses, and

5) the Middle Childhood Education Major Courses.

Candidates will select a major area of emphasis and a minor area of emphasis from English, math, science and social studies. The major emphasis area must have a minimum of 21 hours of content course work, and the minor emphasis area must have a minimum of 18 hours of content course work; or two areas of major emphasis with a minimum of 21 hours of content course work in each.

## 1. Middle Childhood Education General Education Requirements

Humanities and Social Sciences: (30 hours)

Composition: 6 hours

ENGL 1013 Composition I or ENGL 1033 Honors Composition I and

ENGL 1023 Composition II or ENGL 1043 Honors Composition II

Fine Arts: 3 hours

One of the following courses:

ART 1053 Art Appreciation or MUS 1113 Music Appreciation

Speech: 3 hours

One of the following courses:

SPCH 1023 Public Speaking

SPCH 2203 Interpersonal Communication

SPCH 2283 Business and Professional Speech

Humanities Cluster: 6 hours

HIST 1013 Survey of Civilization I and

ENGL 2283 Survey of World Literature I

or

HIST 1023 Survey of Civilization II and

ENGL 2293 Survey of World Literature II

Humanities Elective: 3 hours

ENGL 2323 Introduction to Literary Studies  
 U.S. History or Government: 3 hours  
 One of the following courses:  
     HIST 2213 American History I  
     HIST 2223 American History II  
     PSCI 2213 American National Government  
 Psychology or Sociology: 3 hours  
 One of the following courses:  
     PSY 1013 Introduction to Psychology  
     SOC 2213 Introduction to Sociology  
 Social Science Elective: 3 hours  
 SOC 3453 Race and Ethnic Relations  
 Mathematics and Natural Science: (11 hours)  
 Mathematics: 3 hours  
 MATH 1003 Survey of Mathematics  
 Basic Sciences: 8 hours  
 BIOL 1063 Introduction to Biological Sciences and  
 BIOL 1071 Introduction to Biological Science Lab  
 One of the following courses:  
     CHEM 1023 Introduction to Chemistry and  
     CHEM 1031 Introduction to Chemistry Lab  
     or  
     PHYS 1003 Elements of Physics and  
     PHYS 1081 Elements of Physics Lab  
 Mathematics, Science, or Technology Elective: 3 hours  
 MATH 1043 College Algebra  
 TOTAL HOURS: 44

## 2. Additional Content Course Requirements

ENGL 3573 Literature for Adolescents  
 ENGL 4753 Advanced Grammar  
 ESCI 1063 Elements of Geology and  
 ESCI 1051 Elements of Geology Lab  
 ESCI 1073 Earth and Atmosphere and  
 ESCI 1081 Earth and Atmosphere Lab  
 \*HIST 2213 American History I  
 \*HIST 2223 American History II  
 HIST 3593 Arkansas History  
 MAED 2243 Fundamentals of Geometric Concepts  
 MAED 3553 Number Systems  
 MATH 1033 Trigonometry  
 \*PSCI 2213 American National Government  
 SCED 3433 Science for Middle Level Teachers  
 Note:\* Courses may satisfy both general education and content course requirements.  
 TOTAL HOURS: 38

## 3. Emphasis Area Requirements

Candidates must select a major area of emphasis with a minimum of 21 hours of content course work and a minor area of emphasis with a minimum of 18 hours of content course work; or two areas of major emphasis with a minimum of 21 hours of content course work in each; therefore the additional content course work must be added to chosen emphasis areas.

### English Emphasis:

3 hours for major emphasis

ENGL 3573 Creative Writing

No additional hours needed for minor emphasis.

### Math Emphasis:

8 hours for major emphasis

MATH 2255 Calculus I  
 Any 2000 – 3000 level math course  
 (MATH 3233 History of Mathematics may not be used to satisfy this requirement)  
 5 hours for minor emphasis  
 MATH 2255 Calculus I  
**Science Emphasis:**  
 3 hours for major emphasis  
 One of the following (This course may not be one already used as a general education requirement.)  
 CHEM 1023 Introduction to Chemistry  
 or  
 PHYS 1003 Elements of Physics  
 No additional hours needed for minor emphasis.  
**Social Studies Emphasis:**  
 6 hours for major emphasis  
 PSCI 2223 State Government of Arkansas  
 GEOG 2213 General Geography I  
 3 hours for minor emphasis  
 GEOG 2213 General Geography I

## 4. Professional Education Core Courses

All candidates majoring or minoring in education must complete the professional education core courses listed below unless otherwise indicated.

EDUC 1143 Education for Schools and Society: Developing Teacher Leaders  
 EDUC 2233 Instructional Technology  
 EDUC 2253 Needs of Diverse Learners in Inclusive Settings  
 EDUC 3203 Educational Psychology: Developing Learners  
 EDUC 3563 Effective Instructional and Management Strategies  
 TOTAL HOURS: 15

## 5. Middle Childhood Education Major Courses

MLED 2103 Programs and Practices of Middle Schools  
 MLED 2113 Learning and Development of Early Adolescence  
 MLED 4513 Teaching and Learning in the Middle Grades  
 MLED 4523 Literacy Across the Curriculum  
 MLED 4603 Middle Level Clinical Internship I (must be taken as co-requisite with the appropriate methods course offered in the major)  
 MLED 463V Middle Level Clinical Internship II – Supervised Teaching  
 TOTAL HOURS: 30

# Bachelor of Science in Health and Physical Education Grades P-12

Candidates must take the general education requirements for prospective teachers and the professional education core.

In addition, candidates must take the following major courses

and supportive requirements. The Bachelor of Science identity requirements are met through this coursework.

### General Education Requirements: 45 hours

- ENGL 1013 Composition I or ENGL 1033 Honors Composition I and  
ENGL 1023 Composition II or ENGL 1043 Honors Composition II  
BIOL 2233 Anatomy and Physiology I  
BIOL 2291 Anatomy and Physiology Laboratory I

One of the following courses:

- PSY 1013 Introduction to Psychology  
SOC 2213 Introduction to Sociology

One of the following courses:

- SPCH 1023 Public Speaking  
SPCH 2203 Interpersonal Communication  
SPCH 2283 Business and Professional Speech

One of the following courses:

- MATH 1003 Survey of Math  
MATH 1043 College Algebra

One of the following courses:

- ART 1053 Art Appreciation  
MUS 1113 Music Appreciation

One of the following courses:

- HIST 2213 American History I  
HIST 2223 American History II  
PSCI 2213 American National Government

One of the following pairs of courses:

- HIST 1013 Survey of Civilization I and  
ENGL 2283 Survey of World Literature I  
or  
HIST 1023 Survey of Civilization II and  
ENGL 2293 Survey of World Literature II

Humanities Elective (3 hours)

To be chosen from ART, ENGL, MUS, PHIL, or foreign language

Physical Science General Education Requirements (4 hours)

One of the following pairs of courses:

- ASTR 1033 Elements of Astronomy and  
ASTR 1041 Elements of Astronomy Lab  
or  
CHEM 1023 Introduction to Chemistry and  
CHEM 1031 Introduction to Chemistry Lab  
or  
CHEM 1103 General Chemistry and  
CHEM 1121 General Chemistry Lab  
or  
ESCI 1003 Elements of Geology and  
ESCI 1051 Elements of Geology Lab  
or  
ESCI 1073 Earth and Atmosphere and  
ESCI 1081 Earth and Atmosphere Lab  
or  
PHYS 1003 Elements of Physics and  
PHYS 1021 Elements of Physics Lab

Math/Science/Technology Elective:

- BIOL 2243 Anatomy and Physiology II  
BIOL 2301 Anatomy and Physiology Laboratory II

Social Science Elective:

- SOC 3453 Race and Ethnic Relations

### Major Requirements: 55 hours

- PE 1443 Team Sports  
PE 1453 Individual Sports  
PE 2113 Theory and Principles of Physical Education and Coaching  
PE 2203 Health and Wellness Promotion  
PE 2213 Gymnastics and Rhythmic Activities  
PE 2262 Officiating  
PE 2272 First Aid and CPR  
PE 2313 Care and Prevention of Athletic Injuries  
PE 2703 Nutrition  
PE 3503 Adaptive Physical Education  
PE 3523 Exercise Physiology  
PE 3553 Child Growth and Motor Development  
PE 4603 Physical Education Tests and Measurements  
PE 4643 Anatomical Kinesiology  
PE 4663 Methods and Materials of PE  
PE 4693 Methods of Teaching Health  
PE 4713 Sport Administration

Three of the following courses:

- PE 3372 Coaching of Baseball/Softball or  
PE 3382 Coaching of Volleyball or  
PE 3392 Coaching of Track or  
PE 3422 Coaching of Basketball or  
PE 3472 Coaching of Football

### Professional Education Core Courses: 36 hours

- EDUC 1143 Education for Schools and Society: Developing Teacher Leaders  
EDUC 2253 Needs of Diverse Learners in Inclusive Settings  
EDUC 2233 Instructional Technology  
EDUC 3203 Educational Psychology: Developing Learners  
EDUC 3563 Effective Instructional and Management Strategies  
EDUC 4603 Clinical Internship I (3 hours)  
EDUC 463V Clinical Internship II Supervised Teaching (15 hours)  
Total Hours 133

## Bachelor of Arts/Bachelor of Science in Health and Physical Education (Non-Licensure)

The Bachelor of Arts/Bachelor of Science in Health and Physical Education (non-licensure) is administratively located in the School of Education. The purposes of the Health and Physical Education (non-licensure) program are to:

- 1) Prepare students with the content knowledge needed for health, physical education, a minor content area, and coaching and
- 2) Prepare students for jobs in non-teaching sports and recreational settings or prepare them to enter a master's degree program of teacher certification.

### General Education Requirements: 42-45 hours

- ENGL 1013 Composition I  
ENGL 1023 Composition II  
BIOL 2233 Anatomy and Physiology I  
BIOL 2291 Anatomy and Physiology Laboratory I

One of the following courses:

- PSY 1013 Introduction to Psychology  
SOC 2213 Intro to Sociology

One of the following courses:

- SPCH 1023 Public Speaking

- SPCH 2203 Interpersonal Communication  
 SPCH 2283 Business and Professional Speech

One of the following courses:

- MATH 1003 Survey of Math  
 MATH 1043 College Algebra

One of the following courses:

- ART 1053 Art Appreciation  
 MUS 1113 Music Appreciation

One of the following courses:

- HIST 2213 American History I  
 HIST 2223 American History II  
 PSCI 2213 American National Government

One of the following pairs of courses:

- HIST 1013 Survey of Civilization I and  
 ENGL 2283 Survey of World Literature I  
 or  
 HIST 1023 Survey of Civilization II and  
 ENGL 2293 Survey of World Literature II

Humanities Elective (3 hours)

To be chosen from ART, ENGL, MUS, PHIL, or foreign language. Candidates seeking a BA degree in Health and Physical Education (non-licensure) must select a foreign language.

## Physical Science General Education Requirements

One of the following pairs of courses:

- ASTR 1033 Elements of Astronomy and  
 ASTR 1041 Elements of Astronomy lab  
 or  
 CHEM 1023 Intro to Chemistry and  
 CHEM 1031 Intro to Chemistry Lab  
 or  
 CHEM 1103 General Chemistry and  
 CHEM 1121 General Chemistry Lab  
 or  
 ESCI 1003 Elements of Geology and  
 ESCI 1051 Elements of Geology lab  
 or  
 ESCI 1073 Earth and Atmosphere and  
 ESCI 1081 Earth and Atmosphere lab  
 or  
 PHYS 1003 Elements of Physics and  
 PHYS 1021 Elements of Physics lab

Math/Science/Technology Elective:

- BIOL 2243 Anatomy and Physiology II  
 BIOL 2301 Anatomy and Physiology Laboratory II

Elective for BA majors: (3 hours)

Candidates seeking a Bachelor of Arts degree must choose a foreign language.

Supportive Requirements: 3 hours

- SOC 3453 Race and Ethnic Relations

## Major Requirements: 59 hours

- PE 1443 Team Sports  
 PE 1453 Individual Sports  
 PE 2143 Theory and Principles of Coaching  
 PE 2203 Health and Wellness Promotion  
 PE 2213 Gymnastics and Rhythmic Activities  
 PE 2262 Officiating  
 PE 2272 First Aid and CPR

- PE 2313 Care and Prevention of Athletic Injuries  
 PE 2703 Nutrition  
 PE 3503 Adaptive Physical Education  
 PE 3523 Exercise Physiology  
 PE 3553 Child Growth and Motor Development  
 PE 4603 Physical Education Tests and Measurements  
 PE 4643 Anatomical Kinesiology  
 PE 4663 Methods and Materials of PE  
 PE 4693 Methods of Teaching Health  
 PE 4713 Sport Administration  
 PE 3372 Coaching of Baseball/Softball or  
 PE 3382 Coaching of Volleyball or  
 PE 3392 Coaching of Track or  
 PE 3422 Coaching of Basketball or  
 PE 3472 Coaching of Football

## Minor Requirements:

Choose from any of the approved minor areas. At least 9 hours must be at the 3000 level or above.

\*For the Bachelor of Arts Degree, choose one of the following minors:

- Art  
 English  
 History  
 Music  
 Spanish  
 French  
 Speech

\*Students seeking a Bachelor of Arts degree must choose six additional hours of foreign language or six hours from the approved list of BA identity courses.

\*\*For the Bachelor of Science Degree, choose one of the following minors:

- Agriculture  
 Biology  
 Business Collateral-three additional hours of math or science will be required.  
 Computer Information Systems- three additional hours of math or science will be required  
 Chemistry  
 Mathematics  
 Military Science  
 Natural Science  
 Physics

\*\*For students seeking a Bachelor of Science degree, all BS identity requirements are fulfilled within the minor except for the Business collateral, Agriculture minor and CIS minor.

The minimum number of hours for graduation is 124. Depending on the minor, additional coursework may be required to reach 124 hours.

Total: 124 hours depending on minor

## Bachelor Of Science In Health And Physical Education, Exercise Science Option

Students who are admitted to the Exercise Science Program are required to enroll in PE 1081 CVR Fitness and pass a minimum standard fitness test each semester of enrollment. Records of admission and of the fitness test will be kept in the office of the administrator of the Exercise Science program. All Exercise Science students are expected to take PE 1081 once as part of the

degree program.

## General Education Requirements: 46 hours

ENGL 1013 Composition I  
ENGL 1023 Composition II  
BIOL 1063 Biological Science  
BIOL 1071 Biological Lab  
BIOL 2233 Anatomy and Physiology I  
BIOL 2291 Anatomy and Physiology Laboratory I  
Physical Science General Education requirement:  
CHEM 1023 and CHEM 1031 or  
CHEM 1103 and CHEM 1121

One of the following courses:

PSY 1013 Introduction to Psychology  
SOC 2213 Introduction to Sociology

One of the following courses:

SPCH 1023 Public Speaking or  
SPCH 2203 Interpersonal Communications or  
SPCH 2283 Business and Professional Speech

One of the following courses:

MATH 1003 Survey of Math or  
MATH 1043 College Algebra

One of the following courses:

ART 1053 Art Appreciation or  
MUS 1113 Music Appreciation

One of the following courses:

HIST 2213 American History I or  
HIST 2223 American History II or  
PSCI 2213 American National Government

One of the following pairs of courses:

HIST 1013 Survey of Civilization I and  
ENGL 2283 Survey of World Literature I or  
HIST 1023 Survey of Civilization II and  
ENGL 2293 Survey of World Literature I

Humanities Elective (3 hours)

To be chosen from ART, ENGL, MUS, PHIL, or foreign language

Math/Science/Technology Elective:

BIOL 2243 Anatomy and Physiology II  
BIOL 2301 Anatomy and Physiology Laboratory II

## Major Requirements: 62 hours

EXSC 1012 Concepts of Fitness  
EXSC 2151 Methods of Teaching Water Exercise and Aerobic Dance  
EXSC 2163 Sport Entrepreneurship  
EXSC 3311 PACE Certification  
EXSC 3323 Strength and Conditioning  
EXSC 4503 Exercise Prescription  
EXSC 4513 Exercise Certification Preparation  
EXSC 4523 Geriatric/Therapeutic Internship  
EXSC 4533 Sports Psychology  
EXSC 4623 Community Recreation Internship  
EXSC 4683 Methods and Technology for Exercise Science  
EXSC 4806 Internship-Wellness Facility  
PE 1011 Weight Training for Men and Women  
PE 1081 CVR Fitness  
PE 1131 Fitness through Aerobic Dance  
PE 2113 Nutrition  
PE 2203 Health and Wellness Promotion  
PE 2272 First Aid and CPR  
PE 3461 Exercise Physiology Laboratory

PE 3503 Adaptive Physical Education  
PE 3523 Exercise Physiology  
PE 4401 Anatomical Kinesiology Laboratory  
PE 4603 Physical Education Tests and Measurements  
PE 4643 Anatomical Kinesiology  
PE 4713 Sport Administration

Supportive Requirements: 16 hours

CIS 2223 Microcomputer Applications  
PE 2313 Care and Prevention of Athletic Injuries  
BIOL 4673 Pharmacology

Electives:

Elective at 1000-4000 level (3 hours)

Elective at 3000-4000 level (3 hours)

Elective at 1000 level (1 hour)

## Health and Physical Education Minor: 26 hours

PE 1443 Team Sports  
PE 1453 Individual Sports  
PE 2203 Health and Wellness Promotion  
PE 2272 First Aid and CPR  
PE 2703 Theory and Principles of Physical Education and Coaching  
PE 3503 Adaptive Physical Education  
PE 4603 Physical Education Tests and Measurements  
PE 4663 Methods and Materials of Physical Education  
PE 4693 Methods of Teaching Health

\*Note: With the completion of the appropriate PRAXIS II tests, the Health and Physical Education minor will lead to licensure in Health and Physical Education when added to an existing Arkansas teaching license. This program of study does not lead to the coaching endorsement.

## Coaching Minor Requirements: 25 hours

BIOL 2233 Anatomy and Physiology I  
PE 2262 Officiating  
PE 2272 First Aid and CPR  
PE 2313 Care and Prevention of Athletic Injuries  
PE 2703 Theory and Principles of Physical Education and Coaching  
PE 4643 Anatomical Kinesiology  
PE 4713 Sport Administration

Choose six hours from the following courses:

PE 3372 Coaching of Baseball/Softball  
PE 3382 Coaching of Volleyball  
PE 3392 Coaching of Track  
PE 3422 Coaching of Basketball  
PE 3472 Coaching of Football

\*Note: With the completion of the appropriate PRAXIS II test, this program of study will allow a coaching endorsement to be added to an existing Arkansas teaching license. This program of study does not lead to a teaching license in Health and PE.

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## School of Forest Resources

Location: Henry H. Chamberlin Forest  
Resources Complex  
Telephone: (870) 460-1052  
Fax: (870) 460-1092  
Mailing Address: P.O. Box 3468  
Monticello, AR 71656  
Website: <http://www.afrc.uamont.edu/sfr/>



## Faculty/Mission

Professors Kluender (Dean), Liechty, Pelkki, Tappe (Associate Dean), Thompson, Weih and Zeide; Research Professor D. Patterson; Visiting Emeritus Professor McCoy; Associate Professors Mehmood, and White; Assistant Professors Ficklin, Kissell, Schuler and VanderSchaaf. Instructors Fletcher and Jacobs; University Forest Manager Webb; Program Technicians Earl, Hartley, Stuhlinger, Watt and Wilson; Director of Continuing Education Guffey.

The mission of the School of Forest Resources is to educate professional natural resource managers, to enlarge the body of knowledge in renewable forest resources and spatial information and to disseminate new ideas and technology. Successful accomplishment of this mission will promote and enhance management, conservation and appreciation of public and private forests, thereby providing for continuous production and optimum attainment of a variety of forest resources for the people of Arkansas, the South and the nation. These resource benefits include the production of wood and fiber, wildlife, and clean water, as well as provision for recreation, aesthetic and other important values.

Accordingly, the School's educational objectives are:

1. To educate baccalaureate-level professionals in forestry, geographical information systems, land surveying, and wildlife management, with both the professional competence and diversity of background to assume positions with a variety of resource management organizations, such as private industry, private consulting firms, or public agencies; furthermore, to provide an educational and professional basis for successful work performance and for assuming increasing administrative and managerial responsibilities to the middle management level and beyond.
2. To afford students the option of a two-year degree in land surveying technology.
3. To provide graduate-level educational opportunities in natural resources management.
4. To provide students the opportunity to acquire the professional and academic competence in forestry, geographic information systems, wildlife management, and land surveying necessary to be nationally competitive.
5. To foster general education, a professional curriculum, and a collegiate environment that attracts and retains academically strong and professionally motivated students.
6. To promote an educational environment in which a strong orientation toward academic performance is encouraged, and where a dedication to the profession and its ethics is developed.

In addition, the School's other professional objectives are:

1. To support basic and applied research programs that contribute to the body of knowledge in forestry, wildlife management, related natural resources, and spatial information systems, which address the professional, scientific, and social needs of the forestry and natural resources communities in the state, the region, and the nation.
2. To maintain a program of extension and public service that transmits new and established knowledge and technology to appropriate clientele through workshops, seminars, symposia, continuing education programs, and publications.

The School offers three baccalaureate (B.A.) programs: Forestry,

Spatial Information Systems (SIS), and Wildlife Management. No minor is required in these majors. In all three majors the first two years of course work emphasize general education in the sciences and humanities. Courses in the junior and senior years emphasize various aspects of professional education. In addition, the School offers a two-year Associate of Science (A.S.) degree track in Land Surveying Technology. Surveying licensure is available to both SIS and Land Surveying graduates.

## Majors

In the FORESTRY MAJOR, students are given a balance of general and professional course work. General course work includes both the General Education sequence and 12 hours of free electives. The professional sequence consists of a forestry core curriculum and a block of supportive requirements. A major component of the forestry core curriculum is the required Forestry Summer Camp, an outdoor experience that enhances the student's leadership skills, decision-making abilities, and other professional expertise. The Forestry major is accredited by the Society of American Foresters.

The SPATIAL INFORMATION SYSTEMS (SIS) MAJOR is designed to provide students with a mix of general education, geographic information systems, remote sensing, global positioning systems, photogrammetry, and land surveying. Students who graduate with the SIS degree are well prepared to enter professions in the rapidly emerging SIS field or to further their graduate education. In addition to natural resources management, SIS provides students the opportunity to apply their skills in a broad range of professions such as municipal planning, agriculture, and aerospace.

The WILDLIFE MANAGEMENT MAJOR is a professional program designed to give students a broad scientific background for management and perpetuation of wildlife resources. The curriculum emphasizes basic and applied sciences, the social sciences, and development of communication skills. This educational foundation serves students who plan to enter the wildlife profession with the baccalaureate degree, or those who plan to continue their education at the graduate level. Through appropriate selection of courses in consultation with their advisor, students can satisfy course work requirements for professional certification by The Wildlife Society.

## Minors

Minors in forestry, geographic information systems (GIS), natural resources, land surveying, and wildlife management are available to UAM students, including those in the School of Forest Resources. Students may also choose to apply their 10 to 17 hours of free electives toward developing additional professional and/or personal interests. The student, in consultation with his or her advisor, selects these courses.

## Associate of Science Degree

The ASSOCIATE OF SCIENCE DEGREE IN LAND SURVEYING TECHNOLOGY requires 67 or 69 semester hours and two aca-

demarc years for completion. The associate degree includes courses in general education, SIS, and land surveying. Graduates of the A.S. in Land Surveying Technology have the opportunity to pass the state licensure exam, which enables them to become a licensed professional land surveyor.

## Conditions of Acceptance to the Upper Division of the Undergraduate Majors

To be accepted into upper division courses, Forestry, Spatial Information Systems, and Wildlife Management majors must meet these conditions:

### Forestry Major:

1. Complete at least 41 hours of General Education courses (page 51 in this catalog)

2. Complete 12 of 15 hours of the Supportive Requirements included in this list:

CIS	2223	Microcomputer Applications
ECON	2213	Principles of Microeconomics
ENGL	3253	Technical Writing
SPCH	1023, 1043, 2203, or 2283,	select only one speech class
MATH	1073	Compact Calculus

Note: A complete list of supportive requirements is given on page 87.

3. Complete all of the following courses:

FOR	2231	Dendrology Lab I
FOR	2291	Dendrology Lab II
FOR	2022	Financial Analysis in Natural Resources
FOR	2273, 2071	Forest Measurements lecture and lab
FOR	2033, 2041	Forest Soils lecture and lab
FOR	2342	Natural Resource Recreation

4. Receive a course grade of "C" or better in all courses listed in conditions 1 - 3.

5. Achieve a total GPA of at least 2.25 for all courses listed in conditions 1 - 3.

6. Courses placed into the Free Electives pool are not covered under conditions 1, 2, and 4.

### Spatial Information Systems Major:

1. Achieve a total GPA of at least 2.25 for all UAM courses taken.

2. Achieve a grade of "C" or better in all lower division (1000-2000) courses.

### Wildlife Management Major:

1. Complete at least 41 hours of General Education courses (page 51 in UAM catalog).

2. Complete 14 of 17 hours of the Supportive Requirements included in this list:

CIS	2223	Microcomputer Applications
ECON	2213	Principles of Microeconomics
ENGL	3253	Technical Writing
CHEM	1103, 1121	General Chemistry I lecture and lab
BIOL	1153, 1161	General Zoology lecture and lab

Note: A complete list of supportive requirements is given on page 90.

3. Complete all of the following courses:

FOR	2231	Dendrology Lab I
FOR	2273, 2071	Forest Measurements lecture and lab
FOR	2033, 2041	Forest Soils lecture and lab
WLF	2112	Introduction to Wildlife Conservation
WLF	2121	Wildlife Laboratory

4. Receive a course grade of "C" or better in all courses listed in conditions 1 - 3.

5. Achieve a total GPA of at least 2.25 for all courses listed in conditions 1 - 3.

6. Courses placed into the Free Electives pool are not covered under conditions 1, 2, and 4.

## Application Instructions

1. Submit an application for admission to the Dean of the School of Forest Resources documenting accomplishments of conditions above, AND including a one-page, well-written (rational and grammatically correct) hand-written statement expressing reasons for seeking a baccalaureate degree in Forestry, Spatial Information Systems, or Wildlife Management and outlining goals for the future, including career.

2. Deadline for application into fall courses is March 15.

3. Conditional acceptance will be granted to students in spring classes who expect to complete conditions 1 - 6 by the end of the spring and/or summer terms. Conditional status will be lifted upon meeting these requirements.

4. Students will be notified by the Dean no later than April 1 whether they are accepted into upper-division courses. Students applying under conditional status will be notified of their acceptance or denial by May 15. Notification of compliance for students taking summer classes will be made no later than August 15. Students taking courses at other schools must have their official transcripts sent to the Dean if notification of final acceptance is desired for the fall semester.

5. Students denied acceptance for the fall may reapply by October 15 for acceptance into the spring semester.

6. Entering Fall and Spring transfer students who have completed almost all their General Education and Supportive Requirements must also apply for admission to upper-level courses. They will likely be granted admission if taking upper-level courses is deemed advantageous for movement toward graduation.

7. Students taking one upper division course need not apply for admission.

The appeal process for students denied admission includes in sequence: Dean of the School and School Faculty-Student Relations Committee.

## Requirements for Graduation

To graduate from the undergraduate programs of the School of Forest Resources, students must have an accumulative grade point average of at least 2.0 with no grade lower than "C" in all major requirements, supportive requirements, and general education courses.

All baccalaureate degrees require at least 124 hours of college credit in courses at the 1000-level or above.



## Student Organizations

Students are encouraged to cultivate their academic, social, and career interests through membership in the Student Chapter of the Society of American Foresters, the Student Chapter of The Wildlife Society, the Forestry Club, SIS Club, and Xi Sigma Pi, the national forest management honor society.

## Safety

All students must purchase and wear leather work boots and ANSI-approved hard hats and eyewear during field laboratories and field trips.

## Graduate Work

The School also offers graduate education leading to the Master of Science degree. Areas in which students may pursue thesis research include biometrics/inventory, forest ecology, forest management/economics, geographic information systems/remote sensing, hydrology/water quality, operations/harvesting, policy/social issues, silviculture, and wildlife ecology/management. Thirty hours of graduate credit, including 3-6 hours of research and thesis credit, are required. For additional information on graduate studies, see the Graduate Programs section of this catalog, page 194.

## Bachelor of Science In Forestry

### Total Credit Hours: 128 hours

University General Education Requirements: 44 hours

#### Composition

ENGL 1013 Composition I and

ENGL 1023 Composition II

or

ENGL 1033 Honors Composition I and

ENGL 1023 Honors Composition II

#### Fine Arts

ART 1053 Art Appreciation

or

MUS 1113 Music Appreciation

#### Speech

One of the following:

SPCH 1023 Public Speaking

SPCH 1043 Honors Speech Communication

SPCH 2203 Interpersonal Communication

SPCH 2283 Business and Professional Speech

#### Humanities Cluster

HIST 1013 Survey of Civilization I and

ENGL 2283 Survey of World Literature I

or

HIST 1023 Survey of Civilization II and

ENGL 2293 Survey of World Literature II

#### Humanities Elective

ENGL 3253 Technical Writing

#### U.S. History or Government

PSCI 2213 American National Government

#### Psychology or Sociology

PSY 1013 Introduction to Psychology or

SOC 2213 Introduction to Sociology

#### Social Science Elective

ECON 2213 Principles of Microeconomics

#### Mathematics

MATH 1043 College Algebra

#### Basic Sciences

BIOL 1143 General Botany and

BIOL 1171 General Botany Laboratory

and

CHEM 1023 Intro. to Chemistry and

CHEM 1031 Intro. to Chemistry Laboratory

or

CHEM 1103 General Chemistry I and

CHEM 1121 General Chemistry I Laboratory

#### Mathematics, Science, or Technology Elective

CIS 2223 Microcomputer Applications

## Major Requirements: 49 hours

FOR 2231 Dendrology Laboratory I

FOR 2071 Forest Measurements Laboratory

FOR 2273 Forest Measurements

FOR 2291 Dendrology Laboratory II

FOR 2304 Forest Inventory

FOR 3123 Human Dimensions in Natural Resources

FOR 3434 Silviculture

FOR 3513 Forest Ecology

FOR 3523 Tree Ecophysiology and Herbicides

FOR 3562 Contemporary Forest Resource Issues

FOR 3804 Forest Operations and Fire

FOR 4003 Natural Resource Policy

FOR 4362 Wood Structure and Forest Products

FOR 4684 Natural Resource Economics and Management

FOR 4691 Seminar

FOR 4733 Forest Pest Management

FOR 4823 Integrated Resource Planning and Management

SIS 3814 Introduction to GIS, GPS and Remote Sensing

#### Supportive Requirements: 23 hours

FOR 1061 Introduction to Forestry

FOR 2022 Financial Analysis in Natural Resources

FOR 2033 Forest Soils

FOR 2041 Forest Soils Laboratory

FOR 2342 Natural Resource Recreation

FOR 3353 Biometrics in Natural Resources

FOR 3592 Forest Hydrology

MATH 1033 Trigonometry

MATH 1073 Compact Calculus

#### One of the following courses:

WLF 3831 Wildlife Techniques I or

WLF 3841 Wildlife Techniques II

#### One of the following courses:

WLF 4712 Wildlife Management or

WLF 4722 Wildlife Ecology

Free Electives: 12 hours

## Bachelor of Science In Spatial Information Systems, GIS Option

### Total Credit Hours: 124 hours

University General Education Requirements: 44 hours

Composition

- ENGL 1013 Composition I or
- ENGL 1033 Honors Composition I and
- ENGL 1023 Composition II or
- ENGL 1043 Honors Composition II

Fine Arts

- ART 1053 Art Appreciation or
- MUS 1113 Music Appreciation

Speech

One of the following courses:

- SPCH 1023 Public Speaking
- SPCH 1043 Honors Speech Communication
- SPCH 2203 Interpersonal Communication
- SPCH 2283 Business and Professional Speech

Humanities Cluster

- HIST 1013 Survey of Civilization I and
- ENGL 2283 Survey of World Literature I or
- HIST 1023 Survey of Civilization II and
- ENGL 2293 Survey of World Literature II

Humanities Elective

- ENGL 3253 Technical Writing

U.S. History or Government

- PSCI 2213 American National Government

Psychology or Sociology

- PSY 1013 Introduction to Psychology or
- SOC 2213 Introduction to Sociology

Social Science Elective

- GEOG 2213 General Geography I

Mathematics

- MATH 1043 College Algebra

Basic Sciences

- ESCI 1063 Elements of Geology and
- ESCI 1051 Elements of Geology Laboratory or
- ESCI 1073 Earth and Atmosphere and
- ESCI 1081 Earth and Atmosphere Laboratory and
- PHYS 1003 Elements of Physics and
- PHYS 1021 Elements of Physics Laboratory or
- PHYS 2203 General Physics I and
- PHYS 2231 General and University Physics Lab I

Mathematics, Science, or Technology Elective

- CIS 2223 Microcomputer Applications

**Major Requirements: 39-41 hours**

- MATH 1073 Compact Calculus or MATH 2255 Calculus I
- SIS 1001 Introduction to Spatial Information Systems (SIS)
- SIS 2014 Boundary Surveying
- SIS 2023 Geographic Coordinate Systems and Cartography
- SIS 3814 Introduction to GIS, GPS and Remote Sensing
- SIS 3843 Advanced Geographic Information Systems (GIS) I
- SIS 3923 Remote Sensing
- SIS 4183 Law and Professionalism in Geomatics
- SIS 4193 Advanced GPS
- SIS 4633 Digital Photogrammetry
- SIS 4713 Advanced Geographic Information Systems (GIS) II
- SIS 4886 SIS Practicum

Supportive Requirements: 24 hours

- CIS 2203 Programming Logic and Design

One of the following courses:

- CIS 3443 Object-Oriented Programming Language or
- CIS 3433 Introduction to C Programming
- CIS 4623 Database Management Systems
- FOR 3353 Biometrics in Natural Resources
- GEOG 2223 General Geography II
- MATH 1033 Trigonometry
- MGMT 3473 Principles of Management and Organizational Behavior

One of the following courses:

- PHIL 3523 Logic
- PHIL 3623 Ethics
- PSCI 3423 U.S. Congress
- PSCI 3433 Public Administration

Free Electives: 15-17 hours

## Bachelor of Science In Spatial Information Systems, Surveying Option

**Total Credit Hours: 124 hours**

University General Education Requirements: 44 hours

Composition

- ENGL 1013 Composition I or
- ENGL 1033 Honors Composition I and
- ENGL 1023 Composition II or
- ENGL 1043 Honors Composition II

Fine Arts

- ART 1053 Art Appreciation or
- MUS 1113 Music Appreciation

Speech

One of the following courses:

- SPCH 1023 Public Speaking
- SPCH 1043 Honors Speech Communication
- SPCH 2203 Interpersonal Communication
- SPCH 2283 Business and Professional Speech

Humanities Cluster

- HIST 1013 Survey of Civilization I and
- ENGL 2283 Survey of World Literature I or
- HIST 1023 Survey of Civilization II and
- ENGL 2293 Survey of World Literature II

Humanities Elective

- ENGL 3253 Technical Writing

U.S. History or Government

- PSCI 2213 American National Government

Psychology or Sociology

- PSY 1013 Introduction to Psychology or
- SOC 2213 Introduction to Sociology

Social Science Elective

- GEOG 2213 General Geography I or
- GEOG 2223 General Geography II

Mathematics

- MATH 1043 College Algebra

Basic Sciences

- ESCI 1073 Earth and Atmosphere and
- ESCI 1081 Earth and Atmosphere Laboratory

		or	
ESCI	1063	Elements of Geology and	
ESCI	1051	Elements of Geology Laboratory	
		and	
PHYS	1003	Elements of Physics and	
PHYS	1021	Elements of Physics Laboratory	
		or	
PHYS	2203	General Physics I and	
PHYS	2231	General and University Physics Lab I	
Mathematics, Science, or Technology Elective			
CIS	2223	Microcomputer Applications	

### Major Requirements: 47 hours

SIS	1001	Introduction to Spatial Information Systems (SIS)
SIS	2014	Boundary Surveying
SIS	2023	Geographic Coordinate Systems and Cartography
SIS	2114	Plane Surveying
SIS	3153	Survey Plats and Deeds
SIS	3264	Route and Construction Surveying
SIS	3814	Introduction to GIS, GPS and Remote Sensing
SIS	3843	Advanced Geographic Information Systems (GIS) I
SIS	3923	Remote Sensing
SIS	4183	Law and Professionalism in Geomatics
SIS	4193	Advanced Geographic Positioning Systems
SIS	4454	Advanced Surveying
SIS	4886	SIS Practicum

#### Supportive Requirements: 20-22 hours

CIS	2203	Programming Logic and Design
FOR	2231	Dendrology Laboratory I
FOR	2291	Dendrology Laboratory II
FOR	3353	Biometrics in Natural Resources
MATH	1033	Trigonometry
MATH	2255	Calculus I or MATH 1073 Compact Calculus
MGMT	3473	Principles of Management and Organizational Behavior

#### One of the following courses:

PHIL	3523	Logic
PHIL	3623	Ethics
PSCI	3423	U. S. Congress
PSCI	3433	Public Administration

#### Free Electives: 11-13 hours

## Bachelor Of Science In Wildlife Management

### Total Credit Hours: 124 hours

#### University General Education Requirements: 44 hours

##### Composition

ENGL	1013	Composition I and
ENGL	1023	Composition II
		or

ENGL	1033	Honors Composition I and
ENGL	1043	Honors Composition II

##### Fine Arts

ART	1053	Art Appreciation or
MUS	1113	Music Appreciation

##### Speech

#### One of the following courses:

SPCH	1023	Public Speaking
SPCH	1043	Honors Speech Communication
SPCH	2203	Interpersonal Communication

SPCH	2283	Business and Professional Speech
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##### Humanities Cluster

HIST	1013	Survey of Civilization I and
ENGL	2283	Survey of World Literature I
		or
HIST	1023	Survey of Civilization II and
ENGL	2293	Survey of World Literature II

##### Humanities Elective

ENGL	3253	Technical Writing
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##### U.S. History or Government

PSCI	2213	American National Government or
HIST	2213	American History I or
HIST	2223	American History II

##### Psychology or Sociology

PSY	1013	Introduction to Psychology or
SOC	2213	Introduction to Sociology

##### Social Science Elective

ECON	2213	Principles of Microeconomics
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##### Mathematics

MATH	1043	College Algebra
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##### Basic Sciences

BIOL	1143	General Botany and
BIOL	1171	General Botany Lab
CHEM	1103	General Chemistry I and
CHEM	1121	General Chemistry I Laboratory

##### Mathematics, Science, or Technology Elective

CIS	2223	Microcomputer Applications
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### Major Requirements: 54-55 hours

BIOL	3434	Regional Flora
BIOL	3484	General Ecology
FOR	2071	Forest Measurements Laboratory
FOR	2273	Forest Measurements
FOR	3434	Silviculture
SIS	3814	Introduction to GIS, GPS and Remote Sensing
WLF	2112	Introduction to Wildlife Conservation
WLF	2121	Wildlife Laboratory
WLF	3343	Human Dimensions in Natural Resources
WLF	3831	Wildlife Techniques I
WLF	3841	Wildlife Techniques II
WLF	4003	Natural Resource Policy
WLF	4712	Wildlife Management
WLF	4722	Wildlife Ecology
WLF	4691	Seminar
WLF	4823	Integrated Resource Planning and Management

#### Two of the following courses:

BIOL	3524	Ornithology
BIOL	3314	Ichthyology/Herpetology
WLF	3413	Mammology and
WLF	3451	Mammology Laboratory

#### Two of the following courses:

BIOL	4634	Vertebrate Physiology
BIOL	3574	Comparative Anatomy
BIOL	3594	Invertebrate Zoology
FOR	4733	Forest Pest Management

#### Supportive Requirements: 15 hours

BIOL	1153	General Zoology
BIOL	1161	General Zoology Laboratory
FOR	2231	Dendrology Laboratory I
FOR	2033	Forest Soils

FOR 2041 Forest Soils Laboratory  
 FOR 3353 Biometrics in Natural Resources  
 MATH 1033 Trigonometry  
 Free Electives: 11-12 hours

## Associate of Science in Land Surveying Technology

**Total Credit Hours: 66-68**

CIS 2223 Microcomputer Applications  
 ENGL 3253 Technical Writing  
 SIS 1001 Introduction to Spatial Information Systems (SIS)  
 SIS 2014 Boundary Surveying  
 SIS 2023 Geographic Coordinate Systems and Cartography  
 SIS 2114 Plane Surveying  
 SIS 3153 Survey Plats and Deeds  
 SIS 3264 Route and Construction Surveying  
 SIS 3814 Introduction to GIS, GPS and Remote Sensing

One of the following courses:

ENGL 1013 Composition I or  
 ENGL 1033 Honors Composition I

One of the following courses:

ENGL 1023 Composition II or

ENGL 1043 Honors Composition II  
 One of the following pairs of courses:  
 ESCI 1073 Earth and Atmosphere and  
 ESCI 1081 Earth and Atmosphere Laboratory  
 or  
 ESCI 1063 Elements of Geology and  
 ESCI 1051 Elements of Geology Laboratory

One of the following courses:

GEOG 2213 General Geography I  
 GEOG 2223 General Geography II

One of the following pairs of courses:

HIST 1013 Survey of Civilization I and  
 ENGL 2283 Survey of World Literature I  
 or  
 HIST 1023 Survey of Civilization II and  
 ENGL 2293 Survey of World Literature II

MATH 1043 College Algebra

MATH 1033 Trigonometry

One of the following courses:

MATH 1073 Compact Calculus  
 MATH 2255 Calculus I

One of the following pairs of courses:

PHYS 1003 Elements of Physics and  
 PHYS 1021 Elements of Physics Laboratory  
 or  
 PHYS 2203 General Physics and  
 PHYS 2231 General and University Physics Lab I

PSCI 2213 American National Government

One of the following courses:

PSY 1013 Introduction to Psychology  
 SOC 2213 Introduction to Sociology

## Minors

### Forestry Minor

Minor Requirements: 18-20 hours

FOR 2231 Dendrology Lab I  
 FOR 2273 Forest Measurements  
 FOR 3123 Human Dimensions in Natural Resources  
 FOR 4003 Natural Resource Policy

One of the following courses:

AGRO 2244 Soils  
 FOR 2033 Forest Soils

One of the following courses:

BIOL 3484 General Ecology  
 FOR 3513 Forest Ecology

One of the following courses:

FOR 2022 Financial Analysis in Natural Resources  
 FOR 2342 Natural Resource Recreation  
 FOR 3592 Forest Hydrology  
 WLF 2112 Introduction to Wildlife Conservation

### Geographic Information Systems (GIS) Minor

Minor Requirements: 18-19 hours

SIS 3814 Introduction to GIS, GPS and Remote Sensing



SIS 3843 Advanced Geographic Information Systems (GIS) I

Choose 11-12 credits from the following courses:

CIS 3443 Object-Oriented Programming Languages

CIS 4623 Database Management Systems

FOR 3353 Biometrics in Natural Resources

SIS 1001 Introduction to Spatial Information Systems (SIS)

SIS 2014 Boundary Surveying

SIS 2023 Geographic Coordinate Systems and Cartography

SIS 3923 Remote Sensing

SIS 3933 Spatial Statistics

SIS 4633 Digital Photogrammetry

SIS 4713 Advanced Geographic Information Systems (GIS) II

SIS 4193 Advanced Global Positioning Systems

The minor must include at least nine (9) hours of 3000-4000 level coursework.

## Natural Resources Minor

Minor Requirements: 19-23 hours

FOR 3123/WLF 3343 Human Dimensions in Natural Resources

One of the following groups:

FOR 2033 Forest Soils and

FOR 2041 Forest Soils Laboratory  
or

AGRO 2244 Soils

One of the following groups:

FOR 2231 Dendrology Laboratory I and

FOR 2291 Dendrology Laboratory II  
or

BIOL 3434 Regional Flora

One of the following courses:

AGEN 2263 Soil and Water Conservation or

FOR 3592 Forest Hydrology

One of the following courses:

AGEC 4823 Economics of Environmental Management or

FOR/WLF 4003 Natural Resource Policy or

PSCI 4613 Public Management

One of the following courses:

BIOL 3484 General Ecology or

BIOL/ESCI 3493 Environmental Science or

FOR 3513 Forest Ecology

One of the following courses:

WLF 2112 Introduction to Wildlife Conservation or

WLF 4712 Wildlife Management or

WLF 4722 Wildlife Ecology

## Surveying Minor

Minor Requirements: 18-19 hours

SIS 2014 Boundary Surveying

SIS 2114 Plane Surveying

10-11 credits from the following courses:

CIS 4623 Database Management Systems

FOR 3353 Biometrics in Natural Resources

SIS 3153 Survey Plats and Deeds

SIS 3264 Route and Construction Surveying

SIS 3814 Introduction to GIS, GPS and Remote Sensing

SIS 3843 Advanced Geographic Information Systems (GIS) I

SIS 3923 Remote Sensing

SIS 4183 Law and Professionalism in Geomatics

SIS 4193 Advanced Geographic Positioning Systems

SIS 4454 Advanced Surveying

The minor must include at least nine (9) hours of 3000-4000 level coursework.

## Wildlife Management Minor

Minor Requirements: 18 hours

BIOL 3434 Regional Flora

BIOL 3484 General Ecology

WLF 3831 Wildlife Techniques I

WLF 3841 Wildlife Techniques II

One of the following courses:

BIOL 3314 Ichthyology/Herpetology

BIOL 3524 Ornithology

WLF 3413 Mammalogy and

WLF 3451 Mammalogy Laboratory

Two of the following courses:

WLF 2112 Introduction to Wildlife Conservation

WLF 4712 Wildlife Management

WLF 4722 Wildlife Ecology



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## Division of General Studies

Location: Administration Building  
Telephone: (870) 460-1032  
Fax: (870) 460-1933  
Mailing Address: P.O. Box 3478  
Monticello, AR 71656  
E-mail: [www.uamont.edu/academicaffairs/](http://www.uamont.edu/academicaffairs/)



## Faculty/Mission

Professors Clubb, Corby, Edson, Marshall, and Webster; Associate Professors Abedi, Everts, Lynde, Moore, Poniewaz, H. Sayyar; Assistant Professors Bloom, Efird, Greathouse, Guenter, Lobitz, Lykens, Redmon, Smith; Instructors Chapman, Chappell, Hartness, Hendricks, Kuttenkuler, Nelson, K. Sayyar, Watson, Wegley, E. Zeide, Wright.

## Mission/Goals

The mission of General Education is to provide a foundation of sustained lifelong learning. The program is designed to help the student develop the abilities to reason critically, analyze objectively, think creatively, perceive assumptions, make judgments on the basis of values, construct arguments, use evidence, and communicate and observe effectively. Through General Education, the specific skills of reading, writing, computation, comprehension, listening, and speaking will be enhanced. The program also strives to instill an appreciation and understanding of the creative, intellectual, social, and scientific forces which shape our history and guide our lives. When General Education is successfully completed, the student should be prepared to perform effectively and responsibly in society and should have the base of knowledge necessary for the pursuit of advanced studies.

The Division of General Studies is to serve as the academic and administrative unit for all students who are undecided about a major field of study. Faculty advisors assist students in satisfying the general education requirements, the requirements for admission into a major, and/or requirements an associate's degree or baccalaureate of applied science degree.

The following associate degrees are offered:

### Associate of Arts Degree

### Associate of Applied Science

- Agriculture Production Management
- Crime Scene Investigation
- General Technology
- Industrial Technology
- Law Enforcement Administration
- Nursing (LPN to RN)

### Associate of Science in Land Surveying Technology

The following baccalaureate degree is offered:

### Bachelor of Applied Science

## Associate of Arts Degree

The Associate of Arts degree consists of 38 hours of General Education courses and 24 elective credit hours. This degree may serve as a terminal degree for students or as an intermediate degree for students enrolled in a baccalaureate program. All hours earned at the 1000-level or above in satisfying the Associate of Arts degree may be used toward a baccalaureate degree. The requirements for the Associate of Arts degree are:

**TOTAL HOURS: 62 hours**

**Required Courses: 38 hours**

ENGL 1013 Composition I

ENGL 1023 Composition II

One of the following:

SPCH 1023 Public Speaking or

SPCH 1043 Honors Speech Communication or

SPCH 2203 Interpersonal Communication or

SPCH 2283 Business & Professional Speech

One of the following pairs of courses:

HIST 1013 Survey of Civilization I and

ENGL 2283 Survey of World Literature I  
or

HIST 1023 Survey of Civilization II and

ENGL 2293 Survey of World Literature II

One of the following:

PSY 1013 Introduction to Psychology  
or

SOC 2213 Introduction to Sociology

One of the following:

HIST 2213 American History I or

HIST 2223 American History II or

PSCI 2213 American National Government

**Social Science Elective**

One 3-hour course chosen from the areas of Anthropology, Criminal Justice, Economics, Geography, Political Science, Psychology, Social Work or Sociology.

One of the following:

ART 1053 Art Appreciation or

MUS 1113 Music Appreciation

One 3-hour mathematics course at the 1000-level or above

**Laboratory Sciences**

Eight hours from two 3-hour lecture courses with associated 1-hour labs, or two 4-hour courses with integrated labs chosen from two of the following groups:

(1) Astronomy, Earth Science

(2) Biology

(3) Chemistry, Physics

**Electives 24 hours**

All elective courses must be at the 1000-level or above.

## Associate Of Applied Science Degree

The Associate of Applied Science degree is offered in the following areas. For complete details of each Associate of Applied Science major field, please see the division or school indicated for specific technical courses required to complete the degree.

**Agriculture Production Management:** College of Technology at McGehee

**Crime Scene Investigation:** School of Social and Behavioral Sciences

**General Technology:** Two options are listed below. See the

College of Technology at Crossett and College of Technology at McGehee

Industrial Technology: College of Technology at Crossett

Law Enforcement Administration: School of Social and Behavioral Sciences

Nursing: School of Nursing

### General Technology—Option One

Students seeking the Associate of Applied Science Degree in General Technology must complete all requirements for a technical certificate in one of the following programs of study:

Administrative Information Processing; Computer Maintenance/networking; Automotive Technology; Business Technology; Early Childhood Education; Emergency Medical Technology-Paramedic; Heavy Equipment Operation or Welding Technology.

Students must also complete the required 15 hours of general education courses plus additional elective hours (either technical or general education courses) for a total of 64 credit hours.

Required General Education Courses: 15 hours

ENGL 1013 Composition I

ENGL 1023 Composition II

One of the following:

MATH 0183 Intermediate Algebra or

MATH 1043 College Algebra or higher level math course

One of the following:

CIS 1013 Introduction to Computer-based Systems or

CIS 2223 Microcomputer Applications

One of the following, appropriate for the field of study:

ECON 2203 Principles of Macroeconomics

ECON 2213 Principles of Microeconomics

HIST 1013 Survey of Civilization I

HIST 1023 Survey of Civilization II

HIST 2213 American History I

HIST 2223 American History II

PSY 1013 Introduction to Psychology

SOC 2213 Introduction to Sociology

PSCI 2213 American National Government

Required Technical Courses: See School or Division indicated above.

All of the general education courses, with the exception of MATH 0183, may be applied toward a baccalaureate degree at UAM or transferred to another university.

### General Technology—Option 2

Students seeking the Associate of Applied Science Degree in General Technology must complete 28 hours in a major technical area and 21 hours in technical core support courses from other related technical disciplines and 15 hours of required general education courses. With the approval of the academic advisor or unit head and the Vice Chancellor of Academic Affairs, the student may select courses from one or more technical disciplines and develop a coherent technical program that prepares the student for employment in occupational and technical fields.

Required General Education Courses: 15 hours

ENGL 1013 Composition I

ENGL 1023 Composition II

One of the following:

MATH 0183 Intermediate Algebra or

MATH 1043 College Algebra or higher level math course

One of the following:

CIS 1013 Introduction to Computer-based Systems or

CIS 2223 Microcomputer Applications

One of the following, appropriate for the field of study:

ECON 2203 Principles of Macroeconomics

ECON 2213 Principles of Microeconomics

HIST 1013 Survey of civilization I

HIST 1023 Survey of Civilization II

HIST 2213 American History I

HIST 2223 American History II

PSY 1013 Introduction to Psychology

SOC 2213 Introduction to Sociology

PSCI 2213 American National Government

Required Technical Courses: See School or Division indicated above.

All of the general education courses, with the exception of MATH 0183, may be applied toward a baccalaureate degree at UAM or transferred to another university. See the Technical Programs section of this catalog for a listing and description of technical courses required to complete this degree.

## Bachelor of Applied Science Degree

The Bachelor of Applied Science degree is structured for students who have completed or will have completed a technical career focus or who have obtained an associate of science, associate of applied science, or associate of applied technology degree. The program requires additional studies in general education and other academic and professional core courses. Degree requirements include the following:

(1) Completion of an ADHE approved Associate of Science, Associate of Applied Science, Associate of Applied Technology, or Associate of Applied Science in General Technology with at least a 2.00 grade point average. The approval of specific programs or the transferability of credits toward the B.A.S. degree rests with the Vice Chancellor for Academic Affairs of the University. NOTE: Any developmental coursework (e.g., Fundamentals of English, Introductory Algebra, Intermediate Algebra) taken in fulfilling the requirements of a technical program cannot be applied toward the B.A.S. degree.

(2) Completion of the University's 44-hour general education curriculum. General education courses at the 1000-level or above which are taken to fulfill the requirements of an approved associate degree program may also be applied toward the B.A.S. degree.

(3) Completion of a prescribed academic and professional core of primarily upper-level courses as detailed below.

(4) Completion of a minimum of 128 total hours at the 1000-level or above, of which at least 40 hours must be 3000-4000 level courses.

(5) Achievement of a minimum 2.00 cumulative grade point average.

Total Credit Hours: 128

Technical, occupational, and technical support hours taken in completing an approved Associate of Science, Associate of Applied Science, Associate of Applied Technology, or Associate of Applied Science in General Technology degree program: 45 hours (See the Technical Programs chapter in this catalog to



preview the available programs at Crossett and McGehee; see the School of Forest Resources chapter to preview the AS in Land Surveying Technology; see the Division of Nursing chapter to preview the AAS in Nursing; see the School of Social and Behavioral Sciences chapter to preview the AAS in Crime Scene Investigation and the AAS in Law Enforcement Administration.)

Students who have completed an appropriate degree or appropriate credit hours at an accredited community or technical college may apply the transfer work toward the degree requirements. The Vice Chancellor for Academic Affairs of the University has responsibility for approving specific programs or the transferability of credits toward the B.A.S. degree.

**General education requirements: 44 hours**

**English Composition 6 hours**

ENGL	1013	Comp I or
ENGL	1033	Honors Comp I
ENGL	1023	Comp II or
ENGL	1043	Honors Comp II

**Fine Arts - 3 hours.**

Select one of the following:

ART	1053	Art Appreciation
MUS	1113	Music Appreciation

**Speech 3 hours.**

Select one of the following:

SPCH	1023	Public Speaking
SPCH	1043	Honors Speech Communication
SPCH	2203	Interpersonal Communication
SPCH	2283	Business and Professional Speaking

**Humanities Cluster (Survey of Civilization and World Literature) 6 hours.**

Select one of the following pairs:

HIST	1013	Survey of Civilization I and
ENGL	2283	Survey of World Literature I
		or
HIST	1023	Survey of Civilization II and
ENGL	2293	Survey of World Literature II

**Humanities Elective 3 hours**

ENGL	3253	Technical Writing
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**Psychology or Sociology 3 hours**

PSY	1013	Introduction to Psychology
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**Social Science Elective 3 hours**

SOC	3453	Race and Ethnic Relations
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**U.S. History or Government 3 hours**

Select one of the following:

HIST	2213	American History I
HIST	2223	American History II
PSCI	2213	American National Government

**Mathematics 3 hours.**

Select one of the following:

MATH	1043	College Algebra
MATH	1003	Survey of Mathematics

Any 1000-level or higher mathematics course except MATH 2243 or MATH 3553 or technical mathematics

Laboratory Sciences 8 hours. Select from two 3-hour lecture courses with associated 1-hour labs, or two 4-hour courses with integrated labs, from two of the following areas:

- (1) Astronomy, Earth Science
- (2) Biology
- (3) Chemistry, Physics

Mathematics, Science, or Technology elective 3 hours

CIS 2223 Microcomputer Applications

**Academic and Professional Core: 39 hours**

Economics 3 hours.

Select one of the following:

ECON	2213	Principles of Microeconomics
AGEC	2273	Agricultural Economics

Computer Information Systems 6 hours

CIS	3103	Advanced Microcomputer Applications
CIS	3453	World Wide Web Programming

Finance and General Business 9 hours.

Select three of the following:

FIN	3413	General Insurance
G B	3533	Legal Environment of Business
G B	3353	International Business
G B	3233	Business Statistics (GB 2113 is a prerequisite)
G B	4363	Topics in E-Commerce (MGMT 3473 and MKT 3403 are prerequisites)

Management and Marketing 9 hours.

Select three of the following:

MGMT	3453	Industrial Relations
MGMT	3473	Principles of Management and Organizational Behavior
MGMT	4613	Management Information Systems
MGMT	4633	Human Resource Management (MGMT 3473 is a prerequisite)
MKT	3403	Principles of Marketing

Philosophy and Psychology 6 hours.

Select two of the following:

PHIL	3523	Logic
PHIL	3623	Ethics
PSY	3423	Industrial Psychology

Speech 6 hours.

Select two of the following:

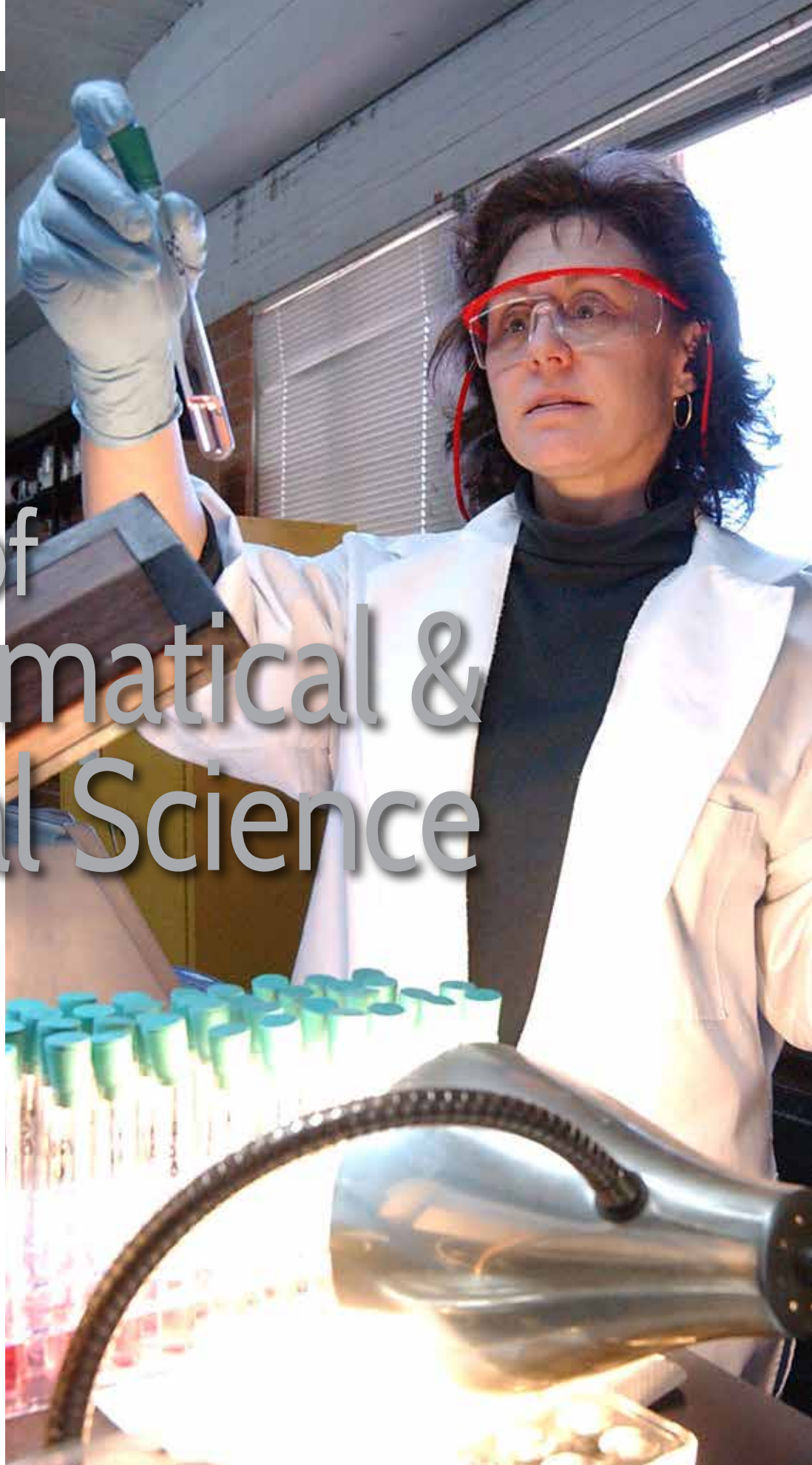
SPCH	3413	Intercultural Communication
SPCH	3453	Persuasion
SPCH	3483	Communication in Small Groups
SPCH	3533	Communication in Organizations

A student, after consultation with his/her academic advisor, and with the approval of the Unit Head, may elect to pursue a University minor program of study in combination with the Academic and Professional Core courses. This may increase the total hours needed for the degree.

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## School of Mathematical & Natural Science

Location: Science Center  
Telephone: (870) 460-1016, (870) 460-1066  
Fax: (870) 460-1316  
Mailing Address: P.O. Box 3480  
Monticello, AR 71656  
E-mail: [math-sci@uamont.edu](mailto:math-sci@uamont.edu)



## Faculty/Mission

Professors Bramlett (Assistant Dean for Sciences), Edson, Nordeen; Associate Professors Abedi, Lynde, H. Sayyar, and Taylor; Assistant Professors Dolberry, Efir, Fawley, J. Guenter, Hunt, Serna, and Sims; Instructors Chapman, Chappell, Nelson, K. Sayyar, and E. Zeide.

The School of Mathematical and Natural Sciences comprises the disciplines of biology, chemistry, mathematics, physics, astronomy, and earth science.

The mission of the School of Mathematical and Natural Sciences is to offer specialization in biology, chemistry, mathematics, and natural science and to provide opportunities for all students to enhance their understanding of science and mathematics.

Curricula offered in the School prepare graduates for careers in industry and teaching, for graduate studies, and for admission to professional programs including allied health, dentistry, medicine, optometry, and pharmacy. This mission is fulfilled through the following goals:

1. To provide academic programs which promote the development of professional scientists and mathematicians and provide opportunities for all students to enhance their understanding of the natural sciences and mathematics.

2. To prepare individuals for successful careers in industry and teaching, and for graduate studies in science and mathematics.

3. To provide curricula for pre-professional studies in dentistry, medicine, optometry, pharmacy, and allied health (physical therapy, radiological technology, respiratory therapy, medical technology, occupational therapy, and dental hygiene).

4. To provide technical and analytical courses to support studies in agriculture, forestry, nursing, physical education, pre-veterinary medicine, psychology, and wildlife management.

5. To serve the General Education program through courses in astronomy, biology, chemistry, earth science, mathematics, physics, and physical science that provide a basic background for a baccalaureate degree.

## Major And Minor Requirements

All baccalaureate degrees require at least 124 hours of college credit courses at the 1000-level or above. These courses must include the General Education requirements found on page 51 and at least 40 hours of 3000-4000 level courses.

### Biology Major (Bachelor Of Science)

#### Major Requirements 39 hours

BIOL	1053	Principles of Biology I
BIOL	1041	Principles of Biology I Lab
BIOL	1083	Principles of Biology II
BIOL	1091	Principles of Biology II Lab
BIOL	1153	General Zoology
BIOL	1161	General Zoology Laboratory
BIOL	1143	General Botany
BIOL	1171	General Botany Laboratory
BIOL	3354	Genetics
BIOL	3363	Cell Biology
BIOL	3484	General Ecology
BIOL	3763	Evolution

BIOL	4634	Vertebrate Physiology
BIOL	4741	Seminar in Biology

Electives: Four hours of 3000-4000 level Biology courses

Supportive Requirements 29-30 hours

CHEM	1103	General Chemistry I
CHEM	1113	General Chemistry II
CHEM	1121	General Chemistry I Laboratory
CHEM	1131	General Chemistry II Laboratory
CHEM	3404	Organic Chemistry I
CHEM	3414	Organic Chemistry II

Choose one of the following courses:

MATH	1033	Trigonometry and
MATH	1043	College Algebra
		or
MATH	1175	Pre-calculus

Choose one of the following course sequences:

PHYS	2203	General Physics I and
PHYS	2213	General Physics II
		or
PHYS	2313	University Physics I and
PHYS	2323	University Physics II
PHYS	2231	Physics Laboratory I
PHYS	2241	Physics Laboratory II

## Biology Major (Organismal Biology Option)

This major does not require a minor.

### Major Requirements: 39 hours

BIOL	1041	Principles of Biology I Lab
BIOL	1053	Principles of Biology I
BIOL	1083	Principles of Biology II
BIOL	1091	Principles of Biology II Lab
BIOL	1143	Botany
BIOL	1153	Zoology
BIOL	1161	Zoology Lab
BIOL	1171	Botany Lab
BIOL	3354	Genetics
BIOL	3363	Cell Biology
BIOL	3484	Ecology
BOIL	3574	Comparative Anatomy and Lab
BIOL	3654	Vertebrate Physiology and Lab
BIOL	3763	Evolution
BIOL	4741	Seminar

Prescribed Field Courses: 8 hours

BIOL	3413	Mammalogy
BIOL	3451	Mammalogy Lab
BIOL	3524	Ornithology
BIOL	3314	Ichthyology/Herpetology

Biology electives: 14 hours (excluding those used as prescribed field courses)

BIOL	3314	Ichthyology/Herpetology
BIOL	3413	Mammalogy
BIOL	3423	Plant Morphology
BIOL	3434	Regional Flora
BIOL	3451	Mammalogy Lab
BIOL	3503	Marine Biology
BIOL	3511	Marine Biology Lab
BIOL	3524	Ornithology
BIOL	358V	Natural History
BIOL	3594	Invertebrate Zoology
BIOL	4724	Aquatic Biology
BIOL	4734	Animal Behavior
BIOL	4753	Selected Topics in Biology
BIOL	479V	Independent Study
FOR	2291	Dendrology II Lab

FOR	2231	Dendrology I Lab
Supportive Requirements: 23 hours		
CHEM	1103	General Chemistry I
CHEM	1113	General Chemistry II
CHEM	1121	General Chemistry I Lab
CHEM	1131	General Chemistry II Lab
CHEM	2203	Introduction to Organic and Biochemistry
CHEM	2211	Introduction to Organic and Biochemistry Lab
PHYS	2203	General Physics I
PHYS	2231	General Physics I Lab
MATH	1073	Compact Calculus
SIS	3814	Introduction to GIS and Lab

## Biology Minor

### Minor Requirements: 26 hours

BIOL	1053	Principles of Biology I
BIOL	1041	Principles of Biology I Lab
BIOL	1083	Principles of Biology II
BIOL	1091	Principles of Biology II Lab

One of the following courses:

BIOL	1153	General Zoology
BIOL	1161	General Zoology Laboratory
		or
BIOL	1143	General Botany
BIOL	1171	General Botany Laboratory
BIOL	3354	Genetics
BIOL	3363	Cell Biology
BIOL	3484	General Ecology
BIOL	3763	Evolution

## Chemistry Major (Bachelor Of Science)

### Major Requirements: 36-37 hours

CHEM	1103	General Chemistry I
CHEM	1113	General Chemistry II
CHEM	1121	General Chemistry I Laboratory
CHEM	1131	General Chemistry II Laboratory
CHEM	3314	Quantitative Analysis
CHEM	3404	Organic Chemistry I
CHEM	3414	Organic Chemistry II
CHEM	3444	Instrumental Analysis
CHEM	4704	Physical Chemistry: Thermodynamics
CHEM	4714	Physical Chemistry: Kinetics and Quantum Mechanics

One of the following courses:

CHEM	4742	Advanced Laboratory Techniques or
CHEM	4611	Chemistry Seminar or
CHEM	4691	Senior Research

Electives: Three hours of 3000-4000 level chemistry courses

Supportive Requirements: 28-29 hours

One of the following courses:

MATH	1033	Trigonometry and
MATH	1043	College Algebra
		or
MATH	1175	Pre-calculus
MATH	2255	Calculus I
MATH	3495	Calculus II
MATH	3525	Differential Equations and Multi-Dimensional Calculus

One of the following courses:

PHYS	2203	General Physics I and
PHYS	2213	General Physics II
		or
PHYS	2313	University Physics I and
PHYS	2323	University Physics II
PHYS	2231	Physics Laboratory I
PHYS	2241	Physics Laboratory II

## Chemistry Minor

### Minor Requirements: 24 hours

CHEM	1103	General Chemistry I
CHEM	1113	General Chemistry II
CHEM	1121	General Chemistry I Laboratory
CHEM	1131	General Chemistry II Laboratory
CHEM	3314	Quantitative Analysis
CHEM	3404	Organic Chemistry I
CHEM	3414	Organic Chemistry II

Electives: Four hours of 3000-4000 level Chemistry courses

## Mathematics Major

### (Bachelor of Science)

### Major Requirements: 33-34 hours

MATH	2255	Calculus I
MATH	3403	Probability & Statistics
MATH	3453	Abstract Algebra
MATH	3463	Linear Algebra
MATH	3495	Calculus II
MATH	3525	Differential Equations and Multi-Dimensional Calculus

Mathematics Electives: 9 hours at the 2000-4000 level (except courses specifically excluded). All majors must complete MATH 4711, Mathematics Seminar.

Supportive Requirements 8 hours

Eight hours from the following courses:

CHEM	1103	General Chemistry I
CHEM	1113	General Chemistry II
CHEM	1121	General Chemistry I Laboratory
CHEM	1131	General Chemistry II Laboratory
PHYS	2203	General Physics I
PHYS	2213	General Physics II
PHYS	2231	Physics Laboratory I
PHYS	2313	University Physics I
PHYS	2323	University Physics II
PHYS	2241	Physics Laboratory II

Students may use General Physics or University Physics but not both.

Students planning to teach should use MATH 3233 History of Mathematics, MATH 3423 College Geometry, and MATH 3513 Discrete Mathematics as their elective courses in mathematics.

## Mathematics Minor

### Minor Requirements 24 hours

MATH	2255	Calculus I
MATH	3495	Calculus II
MATH	3525	Differential Equations and Multi-Dimensional Calculus

Mathematics Electives: 9 hours at the 3000-4000 level (except courses specifically excluded).

## Natural Science Major

This major does not require a minor.

### Core Requirements: 16 hours

CHEM	1103	General Chemistry I
CHEM	1121	General Chemistry I Laboratory
ESCI	1073	Earth and Atmosphere
ESCI	1081	Earth and Atmosphere Laboratory
PHYS	2203	General Physics I

PHYS 2213 General Physics II  
 PHYS 2231 Physics Laboratory I  
 PHYS 2241 Physics Laboratory II  
 Supportive Requirements: 17-18 hours  
 BIOL 1063 Introduction to Biological Science  
 BIOL 1071 Introduction to Biological Science Lab  
 CHEM 1113 General Chemistry II  
 CHEM 1131 General Chemistry II Laboratory  
 ESCI 1051 Elements of Geology Laboratory  
 ESCI 1063 Elements of Geology

One of the following courses:

MATH 1033 Trigonometry and  
 MATH 1043 College Algebra or  
 MATH 1175 Pre-calculus

Options: Choose the Life Science Option or the Physical Science Option.

### Life Science Option: 28 hours

BIOL 1143 General Botany  
 BIOL 1153 General Zoology  
 BIOL 1161 General Zoology Laboratory  
 BIOL 1171 General Botany Laboratory  
 BIOL 3484 General Ecology  
 BIOL 3553 Microbiology  
 BIOL 3561 Microbiology Laboratory  
 Electives: Twelve hours of 3000-4000 level Biology courses

### Physical Science Option: 27-29 hours

ASTR 1033 Elements of Astronomy  
 ASTR 1041 Elements of Astronomy Laboratory  
 CHEM 3314 Quantitative Analysis  
 CHEM 3404 Organic Chemistry I  
 CHEM 3414 Organic Chemistry II  
 MATH 1073 Compact Calculus or MATH2255 Calculus I  
 Electives: Eight hours of 3000-4000 level Chemistry or Physics courses

## Natural Science Minor

### Minor Requirements: 25 hours

Two of the following three blocks of courses:

- (1) CHEM 1103 General Chemistry I  
 CHEM 1113 General Chemistry II  
 CHEM 1121 General Chemistry I Laboratory  
 CHEM 1131 General Chemistry II Laboratory
- (2) PHYS 2203 General Physics I  
 PHYS 2231 Physics Laboratory I  
 PHYS 2213 General Physics II  
 PHYS 2241 Physics Laboratory II
- (3) BIOL 1143 General Botany  
 BIOL 1171 General Botany Laboratory  
 BIOL 1153 General Zoology  
 BIOL 1161 General Zoology Laboratory

Electives: Nine additional hours of 3000-4000 level courses chosen from Biology, Chemistry, or Physics. All nine hours must be from the same discipline.

## Physics Minor

### Minor Requirements: 24 hours

One of the following courses:

PHYS 2203 General Physics I and  
 PHYS 2213 General Physics II  
 or  
 PHYS 2313 University Physics I and  
 PHYS 2323 University Physics II

PHYS 2231 Physics Laboratory I  
 PHYS 2241 Physics Laboratory II

PHYS 3404 Modern Physics  
 PHYS 3444 Optics  
 PHYS 4603 Mechanics

Electives: Five hours from the following courses:

PHYS 2354 Radiation Physics  
 ASTR 1033 Elements of Astronomy  
 ASTR 1041 Astronomy Lab  
 ASTR 3503 Advanced Astronomy

## Gulf Coast Research Laboratory

The School of Mathematical and Natural Sciences is affiliated with the Gulf Coast Research Laboratory (GCRL) at Ocean Springs, Mississippi. Students may take courses there and receive credit at UAM. The following courses are offered at GCRL:

### Course Semester Hours

300 Marine Science I: Oceanography 3  
 300L Marine Science I: Oceanography Lab 2  
 301 Marine Science II: Marine Biology 3  
 301L Marine Science II: Marine Biology Lab 2  
 403/503 Marine Invertebrate Zoology 3  
 403L/503L Marine Invertebrate Zoology Lab 3  
 404/504 Parasites of Marine Animals 3  
 404L/504L Parasites of Marine Animals Lab 3  
 405/505 Marine Ecology 3  
 405L/505L Marine Ecology Lab 2  
 406/506 Fauna/Faunistic Ecology Tidal Marshes 2  
 406L/506L Fauna/Faunistic Ecology Tidal Marshes Lab 3  
 407/507 Marine Aquaculture 3  
 407L/507L Marine Aquaculture Lab 3  
 408/508 Marine Ichthyology 3  
 408L/508L Marine Ichthyology Lab 3  
 409/509 Marine Microbiology 3  
 409L/509L Marine Microbiology Lab 2  
 410/510 Marine Fisheries Management 2  
 410L/510L Marine Fisheries Management Lab 2  
 420/520 Marine Phycology 2  
 420L/520L Marine Phycology Lab 2  
 421/521 Coastal Vegetation 2  
 421L/521L Coastal Vegetation Lab 1  
 422/522 Salt Marsh Plant Ecology 2  
 422L/522L Salt Marsh Plant Ecology Lab 2  
 423/523 Marine Mammals 3  
 423L/523L Marine Mammals Lab 3  
 430/530 Comparative Histology of Marine Organisms 3  
 430L/530L Comparative Histology of Marine Organisms Lab 3  
 456/556 Marine Science for Teachers I 2  
 456L/556L Marine Science for Teachers I Lab 1  
 457/557 Marine Science for Teachers II 2  
 457L/557L Marine Science for Teachers II Lab 1  
 458/558 Marine Science for Elementary Teachers 2  
 458L/558L Marine Science for Elementary Teachers Lab 1  
 482/582 Coastal Marine Geology 2  
 482L/582L Coastal Marine Geology Lab 1  
 490/590 Special Problems in Marine Science TBA  
 491/591 Special Topics in Marine Science TBA

# 100

## Department of Military Science

Location: Harris Hall  
Telephone: 870-460-1402  
Fax: 870-460-1302  
Mailing Address: P.O. Box 3500  
Monticello, AR 71656  
E-mail: [rotc@uamont.edu](mailto:rotc@uamont.edu)



## Faculty/Mission

Professor of Military Science (PMS): Lieutenant Colonel Telfare.

The Mission of the Department of Military Science, in partnership with the University of Arkansas at Pine Bluff Army Senior Reserve Officers' Training Corps (SROTC), is to provide opportunities and challenges to students to build their confidence, self-esteem, motivation, and leadership skills necessary to succeed in life. The program has two separate parts: the Basic Course and the Advanced Course. It is designed to provide students with the right combination of academics and on-campus, hands-on training necessary to make them successful leaders. In addition to the on-campus training, students may be eligible to attend two separate internships for an introduction to more adventurous confidence-building activities.

A minor in Military Science is the award offered in this program. Successful completion of the program may also allow students to earn a commission as a Second Lieutenant in the United States Army and to proceed to enter the Active Army, the Army Reserve, or the Army National Guard upon graduation from the University. Students should consult with the advisors in the Department of Military Science for specific details about admission requirements, expectations of the program, and opportunities available upon completion.

## Military Science Minor

There are two options for a minor in Military Science: Four-Year and Two-Year. The Four-Year Option is available for students who begin the program as freshmen. The Two-Year Option is generally for students who begin the program in their junior year.

### Four-Year Option

This option contains the Basic Course, the Advanced Course, and the Leadership Development and Assessment Course.

The Basic Course consists of 10 hours taken at the freshman and sophomore levels. The Basic Course is designed to give the cadets an understanding of the unique aspects of the officer corps, a well grounding in the fundamentals of leadership and decision making, an embracing of the Army's institutional values, and the ability to apply the principles of individual fitness and unit training. These lessons are designed to maximize cadet participation, inspire intellectual curiosity, stimulate self study, and encourage cadets to contract. The principal lessons of leadership and officership are progressive throughout the four semesters. Basic courses need not be taken in sequence. At this point, cadets should be prepared to contract and begin the demanding preparation for the Leadership Development Assessment Course (LDAC).

The Advanced Course consists of 16 hours taken at the junior and senior levels. The principal lessons of operations and tactics, coupled with leadership, are progressive. The junior level phase consisting of 8 hours focuses on enhanced tactics at the small unit level in preparation for LDAC, which is taken the summer between the student's junior and senior year. LDAC is a highly competitive summer Camp at Fort Lewis, Washington or comparable location where the student's skills are tested and evaluated. The combined results of the student's LDAC performance and on-campus evaluations will determine the student's Officer Career Field preference. Upon completion of LDAC, students will begin the final phase consisting of 8 hours at the senior level focusing on leadership, management and ethics. In addition to military skills, cadets receive a continuation of leadership exercises to synthesize and integrate the principles of leadership previously

learned in the Basic Course. Cadets will gain confidence in their abilities to lead, make decisions, and motivate subordinates within their organization. Completion of the Advanced Course prepares the cadet for the physical, emotional, and intellectual challenges of leadership of the evolving Army in the 21st Century.

### Four-Year Curriculum:

Freshman level:

MLSC 1012 Learning to Lead I 2 hours

MLSC 1022 Learning to Lead II 2 hours

Sophomore level:

MLSC 2113 Applied Leadership and Management I 3 hours

MLSC 2123 Applied Leadership and Management II 3 hours

Junior level:

MLSC 3214 Advanced Leadership and Management I 4 hours

MLSC 3224 Advanced Leadership and Management II 4 hours

Senior level:

MLSC 4314 Leadership Seminar I 4 hours

MLSC 4324 Leadership Seminar II 4 hours

Total: 26 hours

### Two-Year Option

A student who misses the first two years of ROTC, a graduate of a junior or community college, or a student who is entering a two-year postgraduate course of study (for example, a student pursuing a second baccalaureate degree) is eligible for enrollment. Students who have between two to four years of Junior Reserve Officers' Training Corps (JROTC) or have between one to four years of Senior Reserve Officers' Training Corps (SROTC) may be eligible to receive placement credit for one or both years of the Basic Course and enter the Advanced Course immediately.

To qualify for the Two-Year Option, a student must successfully complete Basic Course requirements. These are two ways to complete these requirements:

1. Upon successful completion of 55 semester credit hours, a student can attend the Leader's Training Course (LTC). Upon successful completion of this course, a student can enroll in the Advanced Course.

2. Successful completion of 55 semester credit hours and be a member of the Army National Guard, Army Reserve, or have prior military service.

A student must receive approval from the Professor of Military Science prior to enrolling in the Two-Year Option.

### Two-Year Curriculum:

MLSC 2206 Leader's Training Course (LTC)\* 6 hours

Junior level:

MLSC 3214 Advanced Leadership and Management I 4 hours

MLSC 3224 Advanced Leadership and Management II 4 hours

Senior level:

MLSC 4314 Leadership Seminar I 4 hours

MLSC 4324 Leadership Seminar II 4 hours

Total: 22 hours

\*To be taken during a summer term prior to beginning the junior- and senior-level Military Science courses. To be eligible to attend camp, students must possess a minimum 2.00 cumulative grade point average, pass a military physical fitness test, and have at least two years of academic work remaining after the completion of camp. Students who have either completed the first and second year of Military Science or have prior military service are not eligible to attend LTC. Students may also compete for a two year scholarship upon successful completion of LTC.

# 102

## Division of Nursing

Location: Sorrells Hall, Monticello  
Telephone: (870) 460-1069  
Fax: (870) 460-1969  
Mailing Address: P.O. Box 3606  
Monticello, AR 71656  
[www.uamont.edu/nursing](http://www.uamont.edu/nursing)





## Faculty/Mission/Goals

Associate Professors: Denton, Felts, Shaw, Walters; Assistant Professors Crow, Gouner (Interim Chair), O'Fallon, Instructor Wells.

The overall mission of the Division of Nursing is to strive for excellence in the preparation of technical (Associate of Applied Science in Nursing Degree) and professional (Bachelor of Science in Nursing Degree) nurse generalists. This mission is accomplished through the following goals:

- A. The preparation of professional nurse graduates to provide nursing care for individuals, families, and communities within a variety of health care settings.
- B. The preparation of technical nurse graduates to provide nursing care for individuals, families, and families in communities in structured settings;
- C. The encouragement of critical thinking to guide technical or professional therapeutic nursing interventions which promote, maintain, and restore health; and
- D. The development of accountability through a commitment to technical or professional nursing practice and lifelong learning.

## Bachelor Of Science In Nursing (BSN) Degree

The Division of Nursing offers a four-year curriculum of study leading to a Bachelor of Science in Nursing (BSN) Degree. The BSN program is accredited by the National League for Nursing Accrediting Commission and is also approved by the Arkansas State Board of Nursing.

### Admission Requirements, BSN

Students must successfully complete all general education and nursing supportive requirements, including NURS 2003 Introduction to Nursing Concepts and Roles, before taking the first upper division nursing course, NURS 3333 Health Assessment. Application for admission into the BSN program must be submitted to the Division of Nursing by April 1. All applicants are required to:

1. Meet all University requirements;
2. Have completed all general education and supportive requirements with a minimum cumulative GPA of 2.50 before admission into NURS 3333 Health Assessment. Science supportive requirements must have been completed with a "C" or better grade before the student will be considered for admission into NURS 3333 Health Assessment. Those courses are: BIOL 2233 and BIOL 2291 (Anatomy and Physiology I with lab - 4 credits), BIOL 2243 and BIOL 2301 (Anatomy and Physiology II with lab - 4 credits), BIOL 3553 and 3561 (Microbiology with lab - 4 credits), BIOL 4683 (Pathophysiology - 3 credits), CHEM 1023 and 1031 (Introductory Chemistry with lab - 4 credits);
3. Complete NURS 2003 Introduction to Nursing Concepts and Roles with a grade of "C" or better; and
4. Provide evidence of having successfully completed high school or a GED examination.

## Associate Of Applied Science In Nursing (AASN) Degree

The Division of Nursing offers an LPN-RN Transition Program leading to the Associate of Applied Science in Nursing (AASN) Degree. The AASN Program is approved by the Arkansas State Board of Nursing.

### Admission Requirements, AASN

Applications to the LPN-RN Transition Program must be received by March 1 for admission into the program which begins each year in the Summer I semester. At the discretion of the Chair of the Division of Nursing, and when space is available, late applications will be considered on an individual basis until time for the program to begin. All applicants are required to:

1. Meet all University requirements;
2. Have completed all general education supportive requirements with a minimum cumulative GPA of 2.50 before admission into nursing courses. Science supportive requirements must have been completed with a "C" or better grade before beginning NURS 1034 LPN-RN Transition. Those courses are: BIOL 2233 and BIOL 2291 (Anatomy and Physiology I with lab - 4 credits), BIOL 2243 and BIOL 2301 (Anatomy and Physiology II with lab - 4 credits), BIOL 3553 and 3561 (Microbiology with lab - 4 credits);
3. Have a letter of recommendation from the student's practical nursing school with the date of graduation;
4. Have a current unencumbered Arkansas LPN license; and
5. Provide evidence of having successfully high school or GED examination.

## Progression In The Nursing Sequence

A minimum grade of "C" in each nursing course is required for progression in the nursing sequence.

### Readmission

A student who discontinues the nursing sequence for any reason must petition the Division of Nursing Admissions Committee for readmission into the nursing program. Students are permitted only one readmission. Acceptance for readmission is based on availability of space, documentation of corrected deficiencies, and approval of the nursing faculty. Students who are readmitted are accountable for the degree requirements in force at the time of readmission.

## Admission (Advanced Placement)

Registered Nurses (RNs), Licensed Practical Nurses (LPNs), and Licensed Psychiatric Technical Nurses (LPTNs) may qualify for advanced placement within the BSN clinical course sequence. Verification of a current valid, unrestricted Arkansas RN, LPN, or LPTN license is required.

RNs with an Associate Degree or Diploma may apply for advanced placement in the BSN program. The RN will receive credit for 33 semester hours for NURS 311V Concepts in Nursing Care I, NURS 332V Concepts in Nursing Care II, and NURS 444V Concepts

in Nursing Care III. The 33 hours of credit will be held in escrow. The student will receive credit for these courses upon successful completion of the program. Additionally, applicants who have graduated nursing school for more than 24 months will be required to take the 1 credit Basic Skills Check-Off course to update clinical skills. RNs complete the same general education and support courses as students enrolled in the generic BSN program but have a specified program for completing theory and clinical nursing course requirements. A letter of recommendation from a current or most recent RN supervisor in a nursing position is required of all applicants.

LPNs/LPTNs may apply for advanced placement in the BSN program. LPNs/LPTNs may receive credit for 11 semester hours for NURS 311V Concepts in Nursing Care I if they have graduated from LPN/LPTN school within 24 months. After 24 months, a validation examination must be passed with a score of 74 or better to obtain advanced placement credit for NURS 311V. The syllabus for NURS 311V may be purchased prior to the validating exam for purposes of studying independently for the examination. LPNs/LPTNs are required to submit a letter of recommendation from their nursing school and from the most recent or present nursing position RN supervisor. The validating examination may be taken only once. The application process for admission into UAM and the nursing program must be completed before validating examinations may be taken.

Applicants seeking admission to the nursing program through advanced placement should meet with the Division Chair. All nursing faculty are included in the evaluation of the advanced placement student and make recommendations regarding advanced place-

ment to the Division Chair.

## Transfer Credit

Students seeking transfer credit from another institution must submit course descriptions and transcripts to the Division of Nursing and meet with the Division Chair. All faculty are included in the evaluation and placement of transfer students in the nursing sequence and make recommendations regarding transfer of nursing credit to the Division Chair. Standardized testing and validation of skills may be required based on the evaluation of the transcript.

## Conviction of a Crime

The Arkansas State Board of Nursing requires a criminal background check by the Federal Bureau of Investigation and by the Arkansas State Police for graduates of nursing schools. The Arkansas State Board of Nursing has the authority to deny application for nurse licensure to any person who has been convicted of a crime. A student who has been convicted of a crime should schedule an appointment with the Chair of the Division of Nursing.

## Expenses

In addition to the usual student fees and expenses, nursing students can expect the following additional costs: uniforms, professional equipment and supplies, professional workshop fees, standardized examinations, licensure examination review seminar, and state licensing examination costs, criminal background checks,



supplementary book costs, and travel. Use of multiple clinical sites within a one hundred mile radius of the main campus may require overnight travel by students. These trips are mandatory for completion of the program. All expenses for food, lodging, and travel are the responsibility of the individual student.

## Other Information

Nursing students are NOT covered by the University or the clinical facilities for injuries and exposures to illnesses which occur in the course of clinical assignments or when traveling to and from clinical assignments. Additionally, all nursing students are assigned to care for persons with a wide variety of diagnoses including blood-borne illnesses. The UAM Division of Nursing strongly recommends that each student be immunized against Hepatitis B virus (HBV) prior to beginning clinical work and obtaining personal health and automobile insurance.

Students who are planning to major in nursing and who speak English as a second language are to meet requirements of the University as stipulated on page 12. This requirement is to enhance the chance for scholarly success of nursing majors who speak English as a second language.

Information regarding tuition and fees may be found on page 16. The NLN Accrediting Commission (NLNAC) serves as an additional resource for this information. On an annual basis, the Division of Nursing provides the NLNAC with information regarding tuition, fees, and the length of the nursing program. The NLNAC may be contacted at 61 Broadway, New York, NY 10006, telephone number 212-363-5555.

## Exit Examination Requirement

### Bachelor of Science in Nursing (BSN) and Associate of Applied Science in Nursing

(AASN: LPN-RN fast track) degree students are required to take a Division of Nursing faculty-selected, standardized, exit examination to determine readiness to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The score recommended by the agency that prepares the exit examination will be required of students for successful completion of degree requirements. If the recommended exit examination score is not achieved, the student will not receive a transcript or diploma, signifying completion of degree requirements, until the required score is achieved with subsequent testing(s) and/or remedial work is completed to the satisfaction of the Chair of the Division of Nursing. If the student does not achieve the required score on the second attempt to successfully complete the exit examination, an NCLEX-RN review course designated by the Chair of the DON will be required before a third or subsequent attempt to successfully complete the exit examination will be allowed. Required retesting after the first attempt to successfully complete the exit examination and/or remedial work (including the NCLEX-RN review course) costs will be at the student's expense. The exit examination requirement does not apply to the RN to BSN advanced placement

student.

## Major Requirements

All baccalaureate degrees require at least 124 hours of college credit (courses at the 1000-level or above). These courses must include the general education and support courses cited below and must include at least 40 hours of 3000-4000 level courses.

## Bachelor of Science in Nursing (BSN)

Note: The eight semester rule for completion does not apply to the BSN program.

Major Requirements: 63 hours

NURS	2003	Introduction to Nursing Concepts and Roles
NURS	3103	Nursing Skills
NURS	311V	Concepts in Nursing Care I
NURS	332V	Concepts in Nursing Care II
NURS	3333	Health Assessment
NURS	4153	Community Health Nursing
NURS	444V	Concepts in Nursing Care III
NURS	4473	Nursing Research
NURS	452V	Concepts in Nursing Care IV
NURS	4504	Leadership and Management in Professional Nursing

Supportive Requirements: 37 hours

BIOL	2233	Anatomy and Physiology I
BIOL	2243	Anatomy and Physiology II
BIOL	2291	Anatomy and Physiology I Laboratory
BIOL	2381	Anatomy and Physiology II Laboratory
BIOL	3553	Microbiology
BIOL	3561	Microbiology Laboratory
BIOL	4683	Pathophysiology
CHEM	1023	Introductory Chemistry
CHEM	1031	Introductory Chemistry Laboratory
MATH	1043	College Algebra or
MATH	1003	Survey of Mathematics
PE	2113	Nutrition
PSY	1013	Introduction to Psychology
PSY	2203	Statistical Methods
PSY	3443	Developmental Psychology
SOC	2213	Introduction to Sociology or
SOC	3453	Race and Ethnic Relations

General Education Requirements: 24 hours

ENGL	1013	Composition I
ENGL	1023	Composition II
Speech (SPCH 2283 Business and Professional Speech preferred)		
ART	1053	Art Appreciation or MUS 1113 Music Appreciation

One of the following courses:

HIST	2213	American History I or
HIST	2223	American History I or
PSCI	2213	American National Government

One of the following pairs of courses:

HIST	1013	Survey of Civilization I and
ENGL	2283	World Literature I or
HIST	1023	Survey of Civilization II and

ENGL 2293 World Literature II

Humanities Elective:

Choose one 3-hour course from art or music appreciation (not already required above), foreign language, English, or philosophy.

## Bachelor of Science in Nursing (BSN) (RN to BSN Advanced Placement Track)

Advanced Placement Upper Division Credit Award: 33 hours

Major Requirements: 33 (34\*) hours

NURS 2211 Basic Skills Check Off\* (if graduated more than 24 months)

(See School of Nursing Admission/Advanced Placement section found elsewhere in this section.)

NURS 3073 Role Transition

NURS 3065 Healthy Aging

NURS 3085 Ambulatory Care

NURS 3333 Health Assessment

NURS 4057 Professional Nursing Leadership

NURS 4097 Community Health

NURS 4473 Nursing Research

Supportive Requirements: 37 hours

BIOL 2233 Anatomy and Physiology I

BIOL 2243 Anatomy and Physiology II

BIOL 2291 Anatomy and Physiology I Laboratory

BIOL 2381 Anatomy and Physiology II Laboratory

BIOL 3553 Microbiology

BIOL 3561 Microbiology Laboratory

BIOL 4683 Pathophysiology

CHEM 1023 Introductory Chemistry

CHEM 1031 Introductory Chemistry Laboratory

One of the following courses:

MATH 1043 College Algebra

or

MATH 1003 Survey of Mathematics

PE 2113 Nutrition

PSY 1013 Introduction to Psychology

PSY 2203 Statistical Methods

PSY 3443 Developmental Psychology

One of the following courses:

SOC 2213 Introduction to Sociology

or

SOC 3453 Race and Ethnic Relations

General Education Requirements: 24 hours

ENGL 1013 Composition I

ENGL 1023 Composition II

Speech (SPCH 2283 Business and Professional Speech preferred)

ART 1053 Art Appreciation or MUS 1113 Music Appreciation

One of the following courses:

HIST 2213 American History I

HIST 2223 American History II

PSCI 2213 American National Government

One of the following pairs or courses:

HIST 1013 Survey of Civilization I and

ENGL 2283 World Literature I

or

HIST 1023 Survey of Civilization II and

ENGL 2293 World Literature II

Choose one 3-hour class from art or music appreciation (not already required

above), foreign language, English, or philosophy

## Associate of Applied Science in Nursing (AASN) (Fast Track LPN-RN Transition Program)

Nursing Requirements: 34 hours

NURS 1015 Principles of Nursing Care I

NURS 1034 LPN-RN Transition

NURS 124V Principles of Nursing Care II

NURS 2211 Basic Skills Check Off

NURS 225V Principles of Nursing Care III

Supportive Requirements: 18 hours

BIOL 2233 Anatomy and Physiology I

BIOL 2243 Anatomy and Physiology II

BIOL 2291 Anatomy and Physiology I Laboratory

BIOL 2381 Anatomy and Physiology II Laboratory

BIOL 3553 Microbiology

BIOL 3561 Microbiology Laboratory

PSY 1013 Introduction to Psychology

PSY 3443 Developmental Psychology

General Education Requirements: 12 hours

ENGL 1013 Composition I

ENGL 1023 Composition II

One of the following courses:

MATH 0183 Intermediate Algebra

MATH 1043 College Algebra

One of the following courses:

CIS 1013 Introduction to Computer-Based Systems or

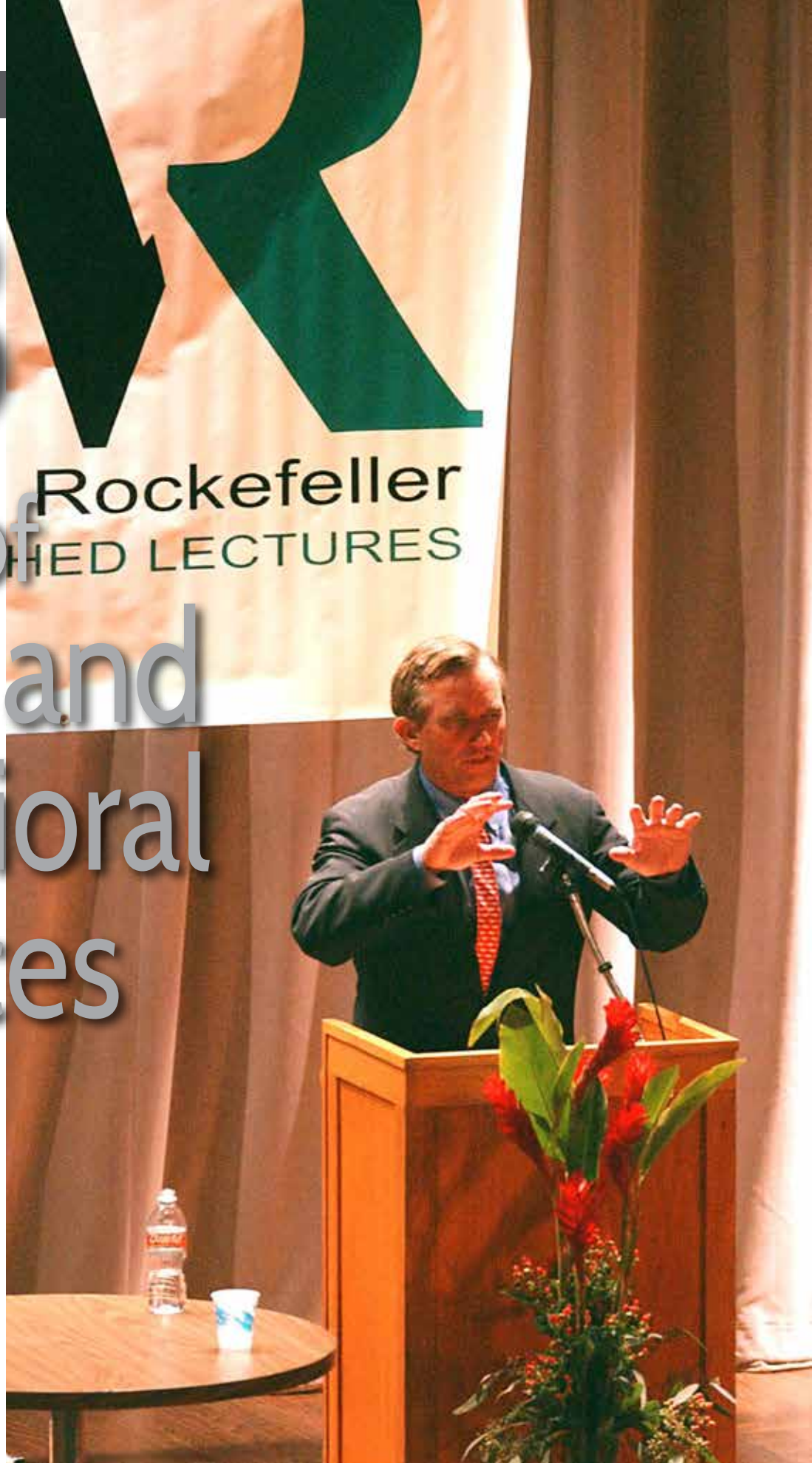
CIS 2223 Microcomputer Applications



# 108

## School of Social and Behavioral Sciences

Location: Memorial Classroom Building  
Telephone: (870) 460-1047  
Fax: (870) 460-1087  
Mailing Address: P.O. Box 3619  
Monticello, AR 71656



## Faculty/Mission

Professors Clubb, Corby, and Shea; Associate Professors: Collins (Dean), Everts, Kim, McKee, and Poniewaz; Assistant Professors: Botts, Greathouse, Smith; Instructors: Wright; Arkansas Archeological Survey Station Archeologist, Jeter.

The School of Social and Behavioral Sciences offers courses and programs in the broad range of social and behavioral sciences, designed to provide preparation for careers in social services, government, and teaching, as well as preparation for graduate and professional studies. Primarily geared to baccalaureate degree programs, the School also plays a significant role in the general education program of all students and offers a social studies concentration as part of a master of education degree.

This School offers a comprehensive teaching-related major in History and Social Studies; a professional program leading to a degree in Social Work; majors and minors in Criminal Justice, History, Political Science, and Psychology; a Human Services minor that is directly related to the Psychology major; a minor only in Sociology; and course work in Anthropology, Geography, and Sociology.

## Major And Minor Requirements

All baccalaureate degrees require at least 124 hours of college credit, courses at the 1000-level or above. These courses must include the General Education requirements found on page 51 and at least 40 hours of 3000-4000 level courses.

### Criminal Justice Major

Major Requirements: 36 hours

CJ 1013 Introduction to Criminal Justice

(Note: Criminal Justice majors must complete CJ 1013 before completing any other criminal justice courses.)

CJ 2113 Policing in America  
CJ 2123 Corrections  
CJ 2133 Criminal Justice Ethics  
CJ 2143 Juvenile Justice  
CJ 2283 Research Methods in the Social Sciences  
CJ 3313 Statistics for Social Sciences (same as PSCI 3313)  
CJ 3233 Criminal Law  
CJ 3243 Constitutional Criminal Procedure

One of the following courses:

CJ 4373 Criminology  
CJ 4383 Principles of Administration

9 hours of Criminal Justice electives

Supportive Requirements: 21 hours

CJ 3313 Statistics for Social Sciences  
ENGL 3253 Technical Writing  
PSCI 2213 American National Government  
PSY 1013 Introduction to Psychology  
SOC 2223 Social Problems  
SOC 3453 Race and Ethnic Relations

One of the following courses:

PSY 2263 Mental Health

PSY 4673 Abnormal Psychology

MINOR REQUIREMENTS: 18 hours or more

Criminal Justice majors must select a minor.

### Criminal Justice Minor

Minor Requirements: 18 hours

CJ 1013 Introduction to Criminal Justice

CJ 3243 Constitutional Criminal Procedure

12 hours of electives in Criminal Justice, at least 6 of these hours must be at the 3000-4000 level.

## Associate Of Applied Science Degrees And Certificate Programs

The Associate of Applied Science Degree and the Certificate programs in Crime Scene Investigation and Law Enforcement Administration are available exclusively to Arkansas law enforcement personnel who are actively employed within a criminal justice organization of the State. The University of Arkansas at Monticello in partnership with the Criminal Justice Institute of the University of Arkansas System offers these certificate and degree programs. To successfully complete a program, students must take special courses through the Criminal Justice Institute along with general education courses from UAM. Contact the Criminal Justice Institute or the School of Social and Behavioral Sciences for more information.

### Crime Scene Investigation

(Note: The certificate and Associate of Applied Science programs below must be completed sequentially.)

#### Certificate of Proficiency

Certificate Requirements: 18 hours

Criminal Justice Institute (CJI): 15 hours

University of Arkansas at Monticello: 3 hours

ENGL 1013 Composition I

CJI: Crime Scene Technician Certificate Program\*

CJI: Law Enforcement Electives\*

\*These hours are earned through completion of the Arkansas Law Enforcement Training Academy or its Commission on Law Enforcement Standards and Training approved equivalent.

### Crime Scene Investigation Technical Certificate

Certificate Requirements: 36 hours

Crime Scene Investigation

Certificate of Proficiency (Note: See requirements above.)

Criminal Justice Institute (CJI): 12-15 hours

CJI: Special Topics

Recovery of Human Remains Bloodstain Pattern Analysis

Management of Evidence and Recovered Property

Computer Crime

Crime Scene Digital Photography and Imaging

Fingerprint Comparison and Identification

Using Forensic Light Sources

Crime Scene Courtroom Testimony  
 CJL: Computer Applications (If not completing CIS 2223)  
 Introduction to Computers  
 Using Microsoft Word  
 Using Microsoft Excel  
 Introduction to the Internet  
 University of Arkansas at Monticello: 6-9 hours  
 ENGL 1013 Composition I  
 ENGL 1023 Composition II  
 CIS 2223 Microcomputer Applications (If not completing  
 CJL: Computer Applications)

## Crime Scene Investigation Associate Of Applied Science Degree

Degree Requirements: 62-65 hours  
 Crime Scene Investigation Technical Certificate (see above)  
 Criminal Justice Institute (CJI): 8 hours  
 CJL: Advanced Crime Scene Technician Certificate Program  
 CJL: Special Topics  
 Advanced Management of Evidence and Recovered Property  
 Bloodstain Pattern Documentation  
 Crime Scene Interpretation and Reconstruction  
 Survival Spanish for Law Enforcement  
 University of Arkansas at Monticello: 24-27 hours  
 ENGL 1013 Composition I  
 ENGL 1023 Composition II  
 PSCI 2213 American National Government  
 PSY 1013 Introduction to Psychology  
 SOC 2213 Introduction to Sociology  
 SPCH 1023 Public Speaking  
 One of the following courses:  
 HIST 1013 Survey of Civilization I or  
 HIST 1023 Survey of Civilization II  
 MATH 0183 Intermediate Algebra or any higher-level  
 mathematics course except MATH 2243 or  
 MATH 3553

## Law Enforcement Administration Certificate of Proficiency

(Note: Sequential completion of the programs below is not a requirement.)  
 Certificate Requirements: 18 hours  
 Criminal Justice Institute (CJI): 15 hours  
 CJL: School of Law Enforcement Supervision  
 CJL: Law Enforcement Electives (Note: These 6 hours are earned through completion of the Arkansas Law Enforcement Training Academy or its Commission on Law Enforcement Standards and Training approved equivalent.)  
 University of Arkansas at Monticello: 3 hours  
 ENGL 1013 Composition I

## Law Enforcement Administration Technical Certificate

Certificate Requirements: 36 hours  
 Criminal Justice Institute (CJI): 21 hours  
 CJL: School of Law Enforcement Supervision  
 CJL: Law Enforcement Administration and Management  
 CJL: Principles of Supervision  
 Advanced Supervision

Leadership Managing Media Relations  
 CJL: Integrity in Law Enforcement

## Police Internal Affairs Background Investigations of Police Applicants

CJL: Law Enforcement Electives (Note: These 6 hours are earned through completion of the Arkansas Law Enforcement Training Academy or its Commission on Law Enforcement Standards and Training approved equivalent.)  
 University of Arkansas at Monticello: 25 hours  
 ENGL 1013 Composition I  
 ENGL 1023 Composition II  
 PSCI 2213 American National Government  
 SPCH 1023 Public Speaking  
 MATH 0183 Intermediate Algebra or any higher-level mathematics  
 course except MATH 2243 or MATH 3553

## Law Enforcement Administration Associate Of Applied Science Degree

Degree Requirements: 63 hours  
 Criminal Justice Institute (CJI): 36 hours  
 CJL: School of Law Enforcement Supervision  
 CJL: Law Enforcement Administration and Management  
 CJL: Integrity in Law Enforcement  
 CJL: Legal Aspects of Law Enforcement  
 Civil Liability  
 Criminal Procedure Update  
 Warrantless Search and Seizure  
 Courtroom Testimony  
 Search Warrant Update  
 Update of Arkansas Legal Decisions  
 Use of Force Sexual Harassment  
 CJL: Principles of Law Enforcement  
 Crime Prevention: A Tool for Community Policing  
 Bulletproof Mind  
 Coping with Law Enforcement Stress  
 Managing Drug Investigations  
 Managing Informants and Cooperative Witnesses  
 Managing Interviews and Interrogations  
 CJL: DWI Detection and Field Tests  
 DWI Detection and Standardized Field Sobriety Testing  
 DWI Detection and SFST Instructor Development  
 CJL: Law Enforcement Communications  
 Basic Spanish for Law Enforcement  
 Power Writing  
 Persuasive Skills for Law Enforcement  
 Law Enforcement Response to the Mentally Ill  
 Leadership and Communication Excellence  
 CJL: Crisis Negotiations  
 CJL: Law Enforcement Electives  
 University of Arkansas at Monticello: 27 hours  
 ENGL 1013 Composition I  
 ENGL 1023 Composition II  
 PSCI 2213 American National Government  
 SOC 2213 Introduction to Sociology  
 SPCH 1023 Public Speaking  
 MATH 0183 Intermediate Algebra or any higher-level mathematics  
 course except MATH 2243 or MATH 3553  
 Nine (9) hours electives to be selected from the General Education require-



ments.

## History Major

Major Requirements: 33 hours

HIST 1013 Survey of Civilization I  
HIST 1023 Survey of Civilization II  
HIST 2213 American History I  
HIST 2223 American History II  
HIST 3513 Historiography and Historical Methods

9 hours of electives in American History at the 3000-4000 level

9 hours of electives in History other than American at the 3000-4000 level

Minor Requirements: 24 hours

History majors must select a minor.

## History Minor

Minor Requirements: 24 hours

HIST 1013 Survey of Civilization I  
HIST 1023 Survey of Civilization II  
HIST 2213 American History I  
HIST 2223 American History II

12 hours of History electives at the 3000-4000 level.

## History And Social Studies (Comprehensive Major)

A student who wishes to follow the comprehensive major must meet the requirements of a Bachelor of Arts Degree as listed on page XX of this catalog. Additionally, students interested in teaching at the secondary level may earn teacher licensure through the M.A.T. program after completing a baccalaureate degree.

Major Requirements: 66 hours

HIST 1013 Survey of Civilization I  
HIST 1023 Survey of Civilization II  
HIST 2213 American History I  
HIST 2223 American History II  
HIST 3513 Historiography and Historical Methods  
HIST 3593 Arkansas History

9 hours of electives in American History at the 3000-4000 level

9 hours of electives in History other than American at the 3000-4000 level

PSCI 2213 American National Government  
PSCI 2223 State Government of Arkansas  
PSCI 2233 Comparative Politics

6 hours of electives in Political Science at the 3000-4000 level

SOC 2213 Introduction to Sociology

6 hours of electives in Geography

3 hours of electives in Economics

3 hours of electives in Anthropology

## Political Science Major

Major Requirements: 33 hours

PSCI 2213 American National Government  
PSCI 2233 Comparative Politics  
PSCI 2283 Research Methods in the Social Sciences  
(same as CJ 2153)

PSCI 3313 Statistics for the Social Sciences (same as CJ 3313)

PSCI 4683 Western Political Theory

18 hours of electives in Political Science.

Note: A minimum of 20 hours must be taken at the 3000-4000 level

to fulfill University requirements for a major. This may require a student to choose only 3000-4000 level courses for electives.

Minor Requirements: 18 or more hours

Political Science majors must select a minor.

## Political Science Minor

Minor Requirements: 18 hours

PSCI 2213 American National Government  
PSCI 2233 Comparative Politics

12 hours of electives in Political Science with at least 9 of these hours at the 3000-4000 level.

## Pre-Law Courses in Political Science:

Through this program of study students will earn a B.A. in political science while taking courses which will help them prepare for law school.

Major Requirements: 33 hours

PSCI 2213 American National Government  
PSCI 2233 Comparative Politics  
PSCI 2283 Research Methods in the Social Sciences  
PSCI 3313 Statistics for the Social Sciences (same as CJ 3313)  
PSCI 4683 Western Political Theory

Pre-Law Recommended Courses

PSCI 2223 State Government of Arkansas  
PSCI 2293 Law and Society  
PSCI 3243 Constitutional Criminal Procedure  
PSCI 3433 Public Administration  
PSCI 4663 American Constitutional Law  
PSCI 4493 Civil Liberties and Civil Rights

Note: A minimum of 20 hours must be taken at the 3000-4000 level to fulfill University requirements for a major. This may require a student choose only 3000-4000 courses for electives.

## Psychology Major

Major Requirements: 34 hours

PSY 1013 Introduction to Psychology  
PSY 1023 Advanced General Psychology  
PSY 2203 Statistical Methods  
PSY 2294 Experimental Psychology

One of the following courses:

PSY 3253 Adolescence  
PSY 3433 Child Development\*  
PSY 4633 Gerontology

One of the following courses:

PSY 3463 Guidance and Counseling  
PSY 3493 Fundamentals of Measurement  
PSY 4673 Abnormal Psychology

One of the following courses:

PSY 3413 Psychology of Learning  
PSY 3483 Physiological Psychology  
PSY 4603 History and Systems in Psychology

One of the following courses:

PSY 3423 Industrial Psychology  
PSY 3243 Social Psychology  
PSY 4623 Psychology of Personality

9 hours of electives at the 3000-4000 level

\*CLEP credit will not be awarded to psychology majors for PSY 3433 Child Development. NOTE: A minimum of 15 hours must be taken at the 3000-4000 level to fulfill University requirements for a major. This may require that a student choose only 3000-4000 level courses for electives.

Minor Requirements: 18 or more hours  
Psychology majors must select a minor.

## Psychology Minor: 19 hours

PSY 1013 Introduction to Psychology  
PSY 2203 Statistical Methods  
PSY 2294 Experimental Psychology  
9 hours of electives in psychology at the 3000-4000 level.

## Human Services Minor

Minor Requirements: 18 hours  
PSY 4643 Applied Human Service Skills

PSY 465V Practicum in Psychology (6 hours)  
9 hours of electives in sociology or social work (excluding SOC 2213 Introduction to Sociology)

NOTE: The Human Services minor is designed primarily for Psychology majors to: 1) prepare students for human services careers across a wide range of settings, and 2) provide a theoretical foundation and specific applied skills needed for Bachelor's level employment in the field. Students who choose to pursue the Human Services minor, particularly those with majors other than Psychology, may need to take additional Psychology courses to satisfy the prerequisites of required courses. Consult your academic advisor for further information.

## Bachelor of Social Work (BSW) Degree



The School of Social and Behavioral Sciences offers a four-year curriculum of study leading to a Bachelor of Social Work Degree accredited by the Council of Social Work Education (CSWE). The curriculum reflects the generalist method of social work with emphasis on the empowering approach. The principal educational goal of the Social Work Program is to prepare students for beginning generalist social work practice.

Because social work is a profession, it requires its members to conduct themselves within an accepted code that is based on professional values and ethics. Persons seeking to become social workers must be willing to adhere to these professional values and ethics while they are students.

The Social Work Program is committed to the policy of providing professional social work educational opportunities to all qualified persons, regardless of their economic or social status, and will not discriminate on the basis of race, color, religion, creed, gender, sexual orientation, political orientation, ethnic or national origin, disability, age, or any other individual or group characteristic.

## BSW Admission Requirements

Students must be formally admitted to the Social Work Program prior to entering the practice sequence. The procedure for formal admission to the Social Work Program is as follows:

1. Students may apply for formal admission upon completion of a minimum of 30 credits that count toward the degree. These credits must include Composition I and II, Speech, Introduction to Sociology, Introduction to Psychology, and Introduction to Social Work; and students must maintain at least a 2.50 grade point average in these six courses.

2. Students must have a minimum grade point average of 2.00 at the time of admission.

3. Students must complete the application form and have a formal interview with social work faculty.

Social work majors must receive a grade of "C" or better in each required social work course, maintain a 2.00 grade point average overall, and have a 2.50 grade point average in the major.

The Social Work Program does not give academic credit for life experience or previous work experience toward the social work degree.

## Bachelor Of Social Work (BSW)

All Social Work majors are required to complete the following major requirements including the B.S. identity and all required General Education courses.

Major Requirements: 51 hours

SWK 1013 Introduction to Social Work

SWK 2133 Human Behavior in Social Environment I  
 SWK 2233 Human Behavior in Social Environment II  
 SWK 3113 Generalist Social Work Practice I  
 SWK 3143 Social Welfare Policy I  
 SWK 3213 Generalist Social Work Practice II  
 SWK 3223 Social Welfare Policy II  
 SWK 3243 Methods of Social Work Research  
 SWK 4274 Social Work Internship I  
 SWK 4282 Social Work Field Seminar I  
 SWK 4294 Social Work Internship II  
 SWK 4302 Social Work Field Seminar II  
 SWK 4313 Generalist Social Work Practice III  
 SWK 4633 Generalist Social Work in Rural Environments

9 hours of Social Work electives

Supportive Requirements: 33 hours

ANTH 2203 Cultural Anthropology  
 PSY 1013 Introduction to Psychology  
 PSY 4623 Psychology of Personality  
 PSY 4673 Abnormal Psychology  
 SOC 2213 Introduction to Sociology  
 SOC 3453 Race and Ethnic Relations

One of the following courses:

PSC I 3313 Statistics for Social Sciences  
 PSY 2203 Statistical Methods

One of the following courses:

ECON 2203 Principles of Macroeconomics  
 ECON 2213 Principles of Microeconomics

One of the following courses:

SOC 2223 Social Problems  
 SOC 3413 The Family

6 hours of Psychology and/or Sociology electives

## Sociology Minor

Minor Requirements: 18 hours

SOC 2213 Introduction to Sociology  
 SOC 2283 Research Methods in Social Sciences  
 (same as CJ 2283; PSCI 2283)

12 additional hours of sociology electives from the following course options with a minimum of 9 hours at the 3000-4000 level

SOC 2223 Social Problems  
 SOC 3413 The Family  
 SOC 3453 Race and Ethnic Relations  
 SOC 3543 Learning through Community Service  
 (same as SWK 3543)  
 SOC 4373 Criminology (same as CJ 4273)  
 SOC 4513 Drugs in Society (same as CJ 4413)  
 SOC 4643 Population Problems  
 SOC 4663 Seminar in Sociology  
 SOC 4673 Terrorism and Social Change

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## 8-Semester Course Sequences



# Bachelor of Arts Degree in Art (non-teaching)

## Recommended Sequence of Courses\*

Fall Semester Start Date		
First Semester (15 hours ).....		Credit Hrs.
ENGL1013	Composition I.....	3
MATH	1000 level Mathematics course.....	3
ART 1053	Art Appreciation OR.....	3
MUS 1113	Music Appreciation.....	3
ART 1013	Drawing I.....	3
Second Semester (15 hours ).....		Credit Hrs.
ENGL1023	Composition II.....	3
SPCH	Speech Requirement**.....	3
HIST 1013	Survey of Civilization I OR.....	
HIST 1023	Survey of Civilization II.....	3
ART 1023	Design and Color.....	3
Humanities Elective.....		3
Third Semester (16 hours ).....		Credit Hrs.
Science Course/Lab***.....		4
HIST 2213	American History I OR.....	
HIST 2223	American History II.....	
PSCI 2214	American National. Govt.....	3
ART 3403	Art Hist. I Prehistoric to Renaissance.....	3
ART	Major Elective.....	3
PSY 1013	Intro. to Psychology OR.....	
SOC 2213	Intro. to Sociology.....	3
3		
Fourth Semester (16 hours ).....		Credit Hrs.
Science Course/Lab*.....		4
Social Science Elective.....		3
PSY 1013	Intro. to Psychology OR.....	
SOC 2213	Intro. To Sociology.....	3
Math/Science/Technology Elective.....		3
Foreign Language3		
ART 3413	Art Hist. II Renaissance to present.....	3
Fifth Semester (15 hours ).....		Credit Hrs.
ENGL2283	World Literature I OR.....	
ENGL2293	World Literature II.....	3
Foreign Language3.....		ART
Major Elective.....		3
ART	Major Course.....	3
Minor Course.....		3
Sixth Semester (15 hours ).....		Credit Hrs.
BA Identity Requirement.....		3
ART	Major Elective.....	3
ART	Major Elective (Upper Level).....	3
Minor Course.....		3
Minor Course.....		3

Seventh Semester (18 hours).....		Credit Hrs.
BA Identity Requirement.....		3
ART	Major Elective (Upper Level).....	
3	ART.....	Major Elective (Upper Level)
3	Minor Course.....	
3	Minor Course.....	
3		
Elective.....		3
Eighth Semester (14 hours).....		Credit Hrs.
ART 4693	Senior Thesis (Required).....	3
ART	Major Elective (Upper Level).....	3
Elective.....		3
Elective.....		3
Elective.....		2

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; ..... or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; ..... or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Arts - English (Creative Writing)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her academic advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs.

ENGL	1013	Composition I.....	3
MATH		1000-level Mathematics Course .....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
SPCH		Speech Requirement**.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Second Semester (15 hours )..... Credit Hrs.

ENGL	1023	Composition II.....	3
		Humanities Elective .....	3
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Govt .....	3
		Social Science Elective.....	3
PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology .....	3

### Third Semester (16 hours)..... Credit Hrs.

		Science Course/Lab***.....	4
		Math/Science/Technology Elective.....	3
ENGL	2323	Intro. to Literary Studies (Required).....	3
		Minor Course.....	3
ENGL	2223	..... Intro. to Creative Writing	3

### Fourth Semester (16 hours)..... Credit Hrs.

		Science Course/Lab*.....	4
ENGL	2283	World Literature I OR	
ENGL	2293	World Literature II .....	3
ENGL	3543	Creative Writing .....	3
ENGL	2303	Creative Nonfiction Writing.....	3
		Minor Course .....	3

### Fifth Semester (15 hours )..... Credit Hrs.

ENGL	3333	Foliage Oak Practicum.....	3
ENGL	3403	American Literature I OR	
ENGL	3423	British Literature I.....	3
		Foreign Language.....	3
		Minor Course	
		3 Elective.....	3

### Sixth Semester (15 hours )..... Credit Hrs.

ENGL	4703	Contemporary Writers.....	3
ENGL	3413	American Literature II OR	
ENGL	3433	British Literature II .....	3
ENGL	4683	Seminar in Writing.....	3
		Minor Course .....	3
		Foreign Language.....	3

### Seventh Semester (15 hours)..... Credit Hrs.

		Minor Course .....	3
ENGL		Major Elective .....	3
ENGL	479V	Senior Project (Required) .....	3
		Foreign Language .....	3
		Elective .....	3

### Eighth Semester (17 hours)..... Credit Hrs.

ENGL		Major Elective .....	3
ENGL		Major Elective .....	3
		Minor Course .....	3
		Elective .....	2
		Foreign Language course.....	3
		Elective .....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Arts - English (Literature)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her academic advisor or Unite Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs.

ENGL	1013	Composition I.....	3
MATH		1000-level Mathematics.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
SPCH		Speech Requirement**.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Second Semester (15 hours) ..... Credit Hrs.

ENGL	1023	Composition II.....	3
Humanities Elective			
HIST	2213	American History I OR	
HIST	2223	American History II.....	3
PSCI	2213	American National Govt.....	3
Social Science Elective.....			
PSY	1013	Intro. To Psychology OR	
SOC	2213	Intro. To Sociology.....	3

### Third Semester (16 hours )..... Credit Hrs.

Science Course/Lab***.....			
Math/Science/Technology Elective.....			
Minor Course.....			
ENGL	2323	Intro. to Literary Studies (Required).....	3
ENGL	3403	American Literature I.....	3

### Fourth Semester (16 hours )..... Credit Hrs.

Science Course/Lab***.....			
ENGL	2283	World Literature I OR	
ENGL	2293	World Literature II.....	3
ENGL	3433	British Literature II.....	3
ENGL	3413	American Literature II.....	3
Minor Course.....			

### Fifth Semester (15 hours )..... Credit Hrs.

ENGL	3423	British Literature I.....	3
ENGL	4593	Intro. to Language Study.....	3
Minor Course.....			
Elective.....			
Foreign Language3			

### Sixth Semester (15 hours)..... Credit Hrs.

ENGL	4613	British Novel OR	
ENGL	4633	American Novel OR	
ENGL	4703	Contemporary Writers.....	3
ENGL	4753	Advanced Grammar.....	3
Minor Course.....			
Elective.....			
Foreign Language3			

### Seventh Semester (15 hours )..... Credit Hrs.

Minor Course.....			
ENGL	4763	Advanced Comp (Required).....	3
3			
ENGL	4623	Shakespeare.....	3
Foreign Language3.....			
3			

### Eighth Semester (17 hours )..... Credit Hrs.

ENGL	Major Elective.....		3
ENGL	Major Elective.....		3
Minor Course.....			
Foreign Language.....			
3			
Elective.....			
3			
Elective.....			
2			

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science..... w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Arts - English (Professional Writing)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her academic advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours) ..... Credit Hrs.

ENGL 1013	Composition I	3
MATH	1000-level Mathematics Course	3
ART 1053	Art Appreciation OR	
MUS 1113	Music Appreciation	3
SPCH	Speech Requirement**	3
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II	3

### Second Semester (15 hours) ..... Credit Hrs.

ENGL1023	Composition II	3
	Humanities Elective	3
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.	3
	Social Science Elective	3
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. To Sociology	3

### Third Semester (16 hours) ..... Credit Hrs.

	Science Course/Lab***	4
	Math/Science/Technology Elective	3
ENGL2323	Intro. to Literary Studies (Required)	3
	Minor Course	3
JOUR 2203	Intro. to Journalism	3

### Fourth Semester (16 hours) ..... Credit Hrs.

	Science Course/Lab*	4
ENGL2283	World Literature I OR	
ENGL2293	World Literature II	3
ENGL3333	Foliate Oak Practicum	3
ENGL3253	Technical Writing	3
	Minor Course	3

### Fifth Semester (15 hours) ..... Credit Hrs.

ENGL	Major Elective	3
ENGL3403	American Literature I OR	
EBGL 3423	British Literature I	3
	Foreign Language3	3
	3 Elective	3

### Sixth Semester (15 hours) ..... Credit Hrs.

ENGL4753	Advanced Grammar	3
ENGL 3413	American Literature II OR	
ENGL3433	British Literature II	3
ENGL4683	Seminar in Writing	3
	Minor Course	3
	Foreign Language3	3

### Seventh Semester (15 hours) ..... Credit Hrs.

	Minor Course	3
ENGL	Major Elective	3
JOUR 479V	Impendent Study: Senior Project	3
	Foreign Language	3
ENGL	Major Elective	3

### Eighth Semester (17 hours) ..... Credit Hrs.

ENGL	Major Elective	3
ENGL	Major Elective	3
	Minor Course	3
	Foreign Language	3
	Elective	2
	Elective	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; . or (3) Chemistry w/Lab or Physics w/Lab.



# Bachelor of Arts Degree in History

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester (15 hours).....		Credit Hrs
PSY	1013	Intro. to Psychology OR
SOC	2213	Intro. to Sociology.....
HIST	1013	Survey of Civilization I.....
ENGL	1013	Composition I.....
MATH	1003	Survey of Mathematics OR
MATH	1043	College Algebra.....
Minor		3

Second Fall Semester (16 hours).....		Credit Hrs.
HIST	1023	Survey of Civilization II.....
SPCH		Speech Requirement**.....
ENGL	1023	Composition II.....
Science Course & Lab.		***.....
Minor		3

Third Semester (16 hours).....		Credit Hrs.
Science Course & Lab***.....		4
ART	1053	Art Appreciation OR
MUS	1113	Music Appreciation.....
HIST	2213	American History I.....
ENGL	2283	World Literature I OR
ENGL	2293	World Literature II.....
Minor		3

Fourth Semester (15 hours).....		Credit Hrs.
HIST	2223	American History II.....
Minor		3
Math/Science/Tech Elective.....		3
Humanities Elective.....		3
B.A. Identity Requirement.....		3

Fifth Semester (15 hours).....		Credit Hrs.
Amer. History (Upper Level).....		3
Non-American Hist. (Upper Level).....		3
HIST	3513	Historiography.....
3	Minor	.....
3	Foreign Language.....	3

Sixth Semester (15 hours).....		Credit Hrs.
Non-American Hist. (Upper Level).....		3
Amer. History (Upper Level).....		3
Minor		3
Foreign Language.....		3
B.A. Identity Requirement.....		3

Seventh Semester (16 hours).....		Credit Hrs.
American Hist. (Upper Level).....		3
Non-American Hist. (Upper Level).....		3
Electives.....		10
Eighth Semester (16 hours).....		Credit Hrs.
Minor		3
Minor		3
Electives.....		10

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as B.A. Identity Requirement courses. Courses to satisfy this Identity Requirement are listed in the current catalog. fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Arts Degree in History and Social Studies

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs.

HIST	2213	U.S. History I.....	3
MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra.....	3
ENGL	1013	Composition I.....	3
HIST	1013	Survey of Civilization I.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3

### Second Semester (15 hours) ..... Credit Hrs.

HIST	1023	Survey of Civilization II.....	3
ENGL	1023	Composition II.....	3
PSCI	2223	State Government of Arkansas.....	3
ECON	2203	Princ. Micro. Economics OR	
ECON	2213	Princ. Macro. Economics.....	3
SPCH		Speech Requirement**.....	3

### Third Semester (16 hours)..... Credit Hrs.

ENGL	2283	World Literature I OR	
HIST	2293	World Literature II.....	3
PSCI	2233	Comparative Politics.....	3
GEOG	2213	Geography I.....	3
		Science Course & Lab.***.....	4
		Humanities Elective.....	3

### Fourth Semester (16 hours)..... Credit Hrs.

HIST	2223	U.S. History II.....	3
SOC	2213	Intro. to Sociology.....	3
GEOG	2223	Geography II.....	3
PSCI	2213	American National Govt.....	3
		Science Course & Lab.***.....	4

### Fifth Semester (15 hours)..... Credit Hrs.

HIST	3513	Historiography.....	3
HIST		Non-American Hist. (Upper Level).....	3
ANTH	2203	Anthropology.....	3
		Social Science Elective.....	3
PSCI		Pol. Sci. Elective (Upper Level).....	3

### Sixth Semester (15 hours)..... Credit Hrs.

HIST	3593	Arkansas History.....	3
HIST		American Hist. (Upper Level).....	3
ECON	2203	Princ. Micro. Economics OR	
ECON	2213	Princ. Macro. Economics.....	3
		Math/Science/Tech. Elective.....	3
		Elective.....	3

### Seventh Semester (18 hours)..... Credit Hrs.

HIST		American Hist. (Upper Level).....	3
HIST		Non-American Hist. (Upper Level).....	3
		Foreign Language3.....	PSCI
		Pol. Sci. Elect. (Upper Level).....	3
		Elective.....	3
		Elective.....	3

### Eighth Semester (15 hours)..... Credit Hrs

HIST		Non-American Hist. (Upper Level).....	3
HIST		American Hist. (Upper Level).....	
		Foreign Language3.....	
		Elective.....	3
		Elective.....	3

\* This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Basic sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as B.A. Identity Requirement courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Arts - Journalism

## Recommended Sequence of Courses\*

### Fall Semester Start Date

#### First Semester (15 hours)..... Credit Hrs.

ENGL 1013	Composition I.....	3
MATH	1000-level Mathematics.....	3
ART 1053	Art Appreciation OR	
MUS 1113	Music Appreciation.....	3
SPCH	Speech Requirement**.....	3
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3

#### Second Semester (15 hours )..... Credit Hrs.

ENGL 1023	Composition II.....	3
	Humanities Elective.....	3
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.....	3
	Social Science Elective.....	3
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. to Sociology.....	3

#### Third Semester (16 hours )..... Credit Hrs.

	Science Course/Lab***.....	4
	Math/Science/Technology Elective.....	3
ENGL2323	Intro. to Literary Studies (Required).....	3
	Foreign Language3.....	JOUR
	2203 Intro. to Journalism.....	3

#### Fourth Semester (16 hours)..... Credit Hrs.

	Science Course/Lab*.....	4
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3
	Foreign Language.....	3
JOUR	Major Elective.....	3
	Minor Course.....	3

#### Fifth Semester (15 hours)..... Credit Hrs.

JOUR3013	Newswriting.....	3
JOUR 4243	Seminar in Journalism.....	3
JOUR	Major Elective.....	3
	Minor Course.....	3
	BA Identity Requirement.....	3

#### Sixth Semester (16 hours)..... Credit Hrs.

JOUR 2221	Journalism Lab.....	1
JOUR 4033	News Editing.....	3
JOUR	Major Elective.....	3
	Minor Course.....	3
	BA Identity Requirement.....	3
	Elective.....	3

#### Seventh Semester (16 hours)..... Credit Hrs.

JOUR 2221	Journalism Lab.....	1
JOUR	Major Elective.....	3
JOUR	Major Elective.....	3
	Minor Course.....	3
	Minor Course.....	3
	Elective.....	3

#### Eighth Semester (15 hours )..... Credit Hrs.

JOUR 2221	Journalism Lab.....	1
JOUR	Major Elective.....	3
	Minor Course.....	3
	Elective.....	3
	Elective.....	3
	Elective.....	2

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; ..... or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; ..... or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Arts in Music (Instrumental Concentration)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester Fall (13 hours).....		Credit Hrs.
ENGL 1013	Composition I.....	3
MATH	Mathematics Course.....	3
MUS 1040	Recitals/Concerts/Productions .....	0
PMUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 1012	Intro. to Theory.....	2
MUS 1072	Music Technology.....	2

Second Semester Spring (16 Hours) .....		Credit Hrs.
ENGL1023	Composition II.....	3
SPCH	Speech Requirement**.....	3
MUS 1040	Recitals/Concerts/Productions .....	0
MUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 1023	Music Theory I.....	3
MUS 1061	Ear Trng. & Sight Singing I.....	1
3000-4000 Level Music Elective.....		3

Third Semester Fall (17 hours).....		Credit Hrs.
ART 1053	Art Appreciation .....	3
3000-4000 Music Elective.....		1
Foreign Language .....		3
MUS 1040	Recitals/Concerts/Productions .....	0
PMUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 1033	Music Theory II.....	3
MUS 1091	Ear Trng. & Sight Singing II.....	1
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3

Fourth Semester Spring (18 hours).....		Credit Hrs.
3000-4000 Level Music Elective.....		2
HIST 2213	American History I OR	
HIST 2233	American History II OR	
PSCI 2213	American National Govt .....	3
MUS 1040	Recitals/Concerts/Productions .....	0
Foreign Language .....		3
PMUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 2213	Music Theory III .....	3
MUS 2231	Ear Trng. & Sight Singing III .....	1
ENGL2283	World Literature I OR.....	
ENGL2293	World Literature II .....	3

Fifth Semester Fall (17 hours).....		Credit Hrs.
PSY 1013	Introduction to Psychology OR	
SOC 2213	Introduction to Sociology .....	3
Science Course & Lab*** .....		4
MUS 1040	Recitals/Concerts/Productions .....	0
PMUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 2223	Music Theory IV.....	3
MUS 2241	Ear Trng. & Sight Singing IV.....	1
3000-4000 Level Music Elective.....		1
MUS 4712	Instrumental Conducting.....	2

Sixth Semester Spring (15 hours).....		Credit Hrs.
Social Science Elective.....		3
BA Identity Requirement.....		3
MUS 1040	Recitals/Concerts/Productions .....	0
PMUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 3573	Music History II.....	3
3000-4000 Level Music Elective.....		3

Seventh Semester Fall (14 hours).....		Credit Hrs.
Humanities Elective .....		3
MUS 3413	Music Analysis and Literature .....	3
3000-4000 Level Music Elective.....		2
MUS 1040	Recitals/Concerts/Productions .....	0
MUS	Applied Music.....	2
MUS	Major Ensemble.....	1
MUS 3563	Music History I.....	3

Eighth Semester Spring (14 hours).....		Credit Hrs.
Science Course & Lab *** .....		4
BA Identity Requirement.....		3
Math/Science/Technology Elective .....		3
MUS 1040	Recitals/Concerts/Productions .....	0
PMUS 4011	Senior Recital/Project .....	1
MUS	Major Ensemble.....	1
3000-4000 Level Music Elective.....		2

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Arts in Music (Music Theater Concentration)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester, Fall (16 hours)..... Credit Hrs.

ENGL	1013	Composition I.....	3
MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
		Applied Music.....	2
MUS	1012	Intro. to Theory.....	2
		Major Ensemble.....	1
MUS	1072	Music Technology.....	2
MUS	1253	Acting in Musical Theater I.....	3

### Second Semester, Spring (18 hours)..... Credit Hrs.

ENGL1023		Composition II.....	3
SPCH		Speech Requirement**.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	1023	Music Theory I.....	3
MUS	1061	Ear Trng. & Sight Singing I.....	1
MUS	2263	Acting in Musical Theater II.....	3
MUS	1151	Dancing for Music Theater.....	1
MUS	428V	Music Theater Workshop.....	1

### Third Semester, Fall (16 hours)..... Credit Hrs.

MUS	3273	Acting in Musical Theater III.....	3
		Foreign Language.....	3
MUS		Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	1033	Music Theory II.....	3
MUS	1091	Ear Trng. & Sight Singing II.....	1
ENGL2283		World Literature I OR	
ENGL2293		World Literature II.....	3

### Fourth Semester, Spring (17 hours)..... Credit Hrs.

MUS	428V	Musical Theater Workshop.....	1
		Foreign Language.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	2213	Music Theory III.....	3
MUS	2231	Ear Trng. & Sight Singing III.....	1
MUS	3333	Hist. of Am. Broadway Musical.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Fifth Semester, Fall (17 hours)..... Credit Hrs.

ART	1053	Art Appreciation.....	3
PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology.....	3
		Gen Ed Science /Lab***.....	4

MUS	1040	Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	
2	MUS	.....	Major Ensemble
1	MUS	.....	2223
		Music Theory IV.....	MUS
		2241	Ear Trng. & Sight Singing IV.....
			1

### Sixth Semester, Spring (16 hours)..... Credit Hrs.

HIST	2213 / 2233	American History I or II OR	
PSCI	2213	American National Govt. ....	3
		Social Science Elective.....	3
		BA Identity Requirement.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	3573	Music History II.....	3
MUS	428V	Music Theater Workshop.....	1

### Seventh Semester, Fall (12 hours)..... Credit Hrs.

		Humanities Elective.....	3
MUS	3413	Music Analysis & Literature.....	3
MUS	3563	Music History I.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	2
MUS		Major Ensemble.....	1

### Eighth Semester, Spring (13 hours)..... Credit Hrs.

		Gen Ed Science /Lab***.....	4
		BA Identity Requirement.....	3
		Math/Science/Tech. Elective.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS	4011	Senior Recital/Project.....	1
MUS		Major Ensemble.....	1
MUS	428V	Musical Theater Workshop.....	1

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Basic sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Arts in Music (Piano Concentration)

## Recommended Sequence of Courses\*

**Fall Semester Start Date**

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester, Fall (13 hours).....	Credit Hrs.
ENGL 1013 Composition I.....	3
MATH 1000-level Mathematics Course.....	3
MUS 1040 Recitals/Concerts/Prod. ....	0
MUS Applied Music.....	2
MUS Major Ensemble.....	1
MUS 1012 Intro. to Theory.....	2
MUS 1072 Music Technology.....	2

Second Semester, Spring (15 hours).....	Credit Hrs.
ENGL1023 Composition II.....	3
SPCH Speech Requirement**.....	3
MUS 1040 Recitals/Concerts/Productions.....	0
MUS Applied Music.....	2
MUS Major Ensemble.....	1
MUS 1023 Music Theory I.....	3
MUS 1061 Ear Trng. & Sight Singing I.....	1
MUS 3000-4000 Level Music Elective.....	2

Third Semester, Fall (17 hours).....	Credit Hrs.
ART 1053 Art Appreciation.....	3
MUS 3000-4000 Level Music Elec. ....	1
Foreign Language.....	3
MUS 1040 Recitals/Concerts/Prod. ....	0
MUS Applied Music.....	2
MUS Major Ensemble.....	1
MUS 1033 Music Theory II.....	3
MUS 1091 Ear Trng. & Sight Singing II.....	1
HIST 1013 Survey Civilization I OR	
HIST 1023 Survey Civilization II.....	3

Fourth Semester, Spring (18 hours).....	Credit Hrs.
MUS 3000-4000 Level Music Elective.....	2
HIST 2213 / 2233 American. History I or II OR	
PSCI 2213 American National Govt. ....	3
Foreign Language.....	3
MUS 1040 Recitals/Concerts/Productions.....	0
MUS Applied Music.....	2
MUS Major Ensemble.....	1
MUS 2213 Music Theory III.....	3
MUS 2231 Ear Trng. & Sight. Singing III.....	1
ENGL2283 World Literature I OR	
ENGL2293 World Literature II.....	3

Fifth Semester, Fall (17 hours).....	Credit Hrs.
PSY 1013 Intro. to Psychology OR	
SOC 2213 Intro. to Sociology.....	3
Science Course /Lab**.....	4
MUS 1040 Recitals/Concerts/Productions.....	0
MUS Applied Music.....	2
MUS Major Ensemble.....	1
MUS 2223 Music Theory IV.....	3

MUS 2241 Ear Trng. & Sight Singing IV.....	1
MUS 3000-4000 Level Music Elec.....	1
MUS Conducting.....	2

Sixth Semester, Spring (16 hours).....	Credit Hrs.
Social Science Elective.....	3
BA Identity Requirement.....	3
MUS 1040 Recitals/Concerts/Productions.....	0
MUS Applied Music.....	2
MUS Major Ensemble.....	1
MUS 3573 Music History II.....	3
MUS 3000-4000 Level Music Elec.....	2
MUS 1051 Piano Repertoire.....	1
MUS 1051 Piano Repertoire.....	1

Seventh Semester, Fall (15 hours).....	Credit Hrs.
Humanities Elective.....	3
MUS 3413 Music Analysis & Literature.....	3
MUS.....	3000-4000 Level Music Elective
MUS.....	Recitals/Concerts/Productions
MUS.....	Applied Music
MUS.....	Major Ensemble
MUS.....	3563
MUS History I.....	MUS
MUS 4632 Piano Pedagogy.....	2

Eighth Semester, Spring (14 hours).....	Credit Hrs.
Science Course/Lab**.....	4
B.A. Identity Requirement.....	3
Math/Science/Tech. Elective.....	3
MUS Recitals/Concerts/Productions.....	0
MUS Senior Recital/Project.....	1
MUS Major Ensemble.....	1
MUS 3000--4000 Level Music Elective.....	2

\* This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Basic sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Arts in Music (Voice Concentration)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her academic advisor or Unit Head for an alternate Sequence of Courses.

### First Semester, Fall (13 hours)..... Credit Hrs.

ENGL	1013	Composition I.....	3
MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
PMUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	1012	Intro. to Theory.....	2
MUS	1072	Music Technology.....	2

### Second Semester, Spring (16 hours)..... Credit Hrs.

ENGL	1023	Composition II.....	3
SPCH		Speech Requirement**.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	1023	Music Theory I.....	3
MUS	1061	Ear Trng. & Sight Singing I.....	1
		Music Elective.....	3

### Third Semester, Fall (17 hours)..... Credit Hrs.

ART	1053	Art Appreciation.....	3
		Music Elective.....	1
		Foreign Language.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
PMUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	1033	Music Theory II.....	3
MUS	1091	Ear Trng. & Sight Singing II.....	1
ENGL	2283	World Literature I OR.....	
ENGL	2293	World Literature II.....	3

### Fourth Semester, Spring (18 hours)..... Credit Hrs.

		3000-4000 Level Music Elective.....	2
HIST	2213	American History I OR	
HIST	2233	American History II OR	
PSCI	2213	American National Govt.....	3
		Foreign Language.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
PMUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	2213	Music Theory III.....	3
MUS	2231	Ear Trng. & Sight Singing III.....	1
HIST	1013	Survey Civilization I OR	
HIST	1023	Survey Civilization II.....	3

### Fifth Semester, Fall (17 hours)..... Credit Hrs.

PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology.....	3
		Science Course /Lab***.....	4
MUS	1040	Recitals/Concerts/Productions.....	0
PMUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	2223	Music Theory IV.....	3
MUS	2241	Ear Trng. & Sight Singing IV.....	1
		3000-4000 Level Music Elective.....	1
MUS	4722	Choral Conducting.....	2

### Sixth Semester, Spring (15 hours)..... Credit Hrs.

		Social Science Elective.....	3
		BA Identity Requirement.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
PMUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	3573	Music History II.....	3
		3000-4000 Level Music Elective.....	3

### Seventh Semester, Fall (14 hours)..... Credit Hrs.

		Humanities Elective.....	3
MUS	3413	Music Analysis and Literature.....	3
		3000-4000 Level Music Elective.....	2
MUS	1040	Recitals/Concerts/Productions.....	0
PMUS		Applied Music.....	2
MUS		Major Ensemble.....	1
MUS	3563	Music History I.....	3

### Eighth Semester, Spring (14 hours)..... Credit Hrs.

		Science Course/Lab***.....	4
		BA Identity Requirement.....	3
		Math/Science/Tech. Elective.....	3
MUS	1040	Recitals/Concerts/Productions.....	0
MUS	4011	Senior Recital/Project.....	1
		Major Ensemble.....	1
		3000-4000 Level Music Elective.....	2

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications.

\*\*\*Basic sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Arts in Political Science

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester (15 hours).....	Credit Hrs
PSCI 2213 American National Govt .....	3
MATH 1003 Survey of Mathematics OR	
MATH 1043 College Algebra .....	3
ENGL1013 Composition I.....	3
HIST 2213 American History I OR	
HIST 2223 American History II.....	3
SOC 2213 Intro. to Sociology OR	
PSY 1013 Intro. to Psychology .....	3

Second Semester (15 hours) .....	Credit Hrs
PSCI 2233 Comparative Politics .....	3
ENGL1023 Composition II.....	3
SPCH Speech Requirement**.....	3
HIST 1013 Survey of Civilization I OR	
HIST 1023 Survey of Civilization II.....	3
Minor Course .....	3

Third Semester (16 hours).....	Credit Hrs.
PSCI 2283 Res. Methods/Soc. Sci Elect .....	3
PSCI 4683 Western Politics Theory/Elective.....	3
ENGL2283 World Literature I OR	
ENGL2293 World Literature II .....	3
Science Course & Lab.*** .....	4
Minor Course .....	3

Fourth Semester (16 hours).....	Credit Hrs
Soc. Sci. Elect./Res. Methods.....	3
Science Course & Lab.*** .....	4
Humanities Elective .....	3
MUS 1113 Music Appreciation OR	
ART 1053 Art Appreciation OR	
Minor Course .....	3

Fifth Semester (18 hours).....	Credit Hrs.
PSCI Poli. Sci. Elect. (Upper Level).....	3
PSCI 3313 Statistical Methods .....	3
Foreign Language3.....	Math/Science/Tech Elective
3 Minor Course.....	
3 Elective/Minor .....	
3	

Sixth Semester (15 hours).....	Credit Hrs.
PSCI Poli. Sci. Elect. (Upper Level).....	3
PSCI Poli. Sci. Elect. (Upper Level).....	3
Foreign Language3	
Minor Course .....	3
Minor Course .....	3

Seventh Semester (15 hours).....	Credit Hrs.
PSCI Poli. Sci. Elect. (Upper Level).....	3
B.A. Identity Rerequirement .....	3
Minor Course .....	
3 Elective (Upper Level).....	3
PSCI Poli. Sci. Eect. (Upper Level).....	3

Eighth Semester (15 hours).....	Credit Hrs.
PSCI Poli. Sci. Elect. (Upper Level).....	3
PSCI Poli. Sci. Elect. (Upper Level).....	3
B.A. Identity Requirement .....	3
Elective/Minor Course .....	3
Elective (Upper Level) .....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science ..w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.



# Bachelor of Arts - Speech Communication

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her academic advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs.

ENGL	1013	Composition I.....	3
MATH		1000-level Mathematics.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
		Humanities Elective.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Second Semester (15 hours)..... Credit Hrs.

ENGL	1023	Composition II.....	3
SPCH	1023	Public Speaking (required).....	3
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Govt.....	3
		Social Science Elective.....	3
PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology.....	3

### Third Semester (16 hours)..... Credit Hrs.

		Science Course/Lab**.....	4
		Math/Science/Technology Elect.....	3
		Minor Course.....	3
		Foreign Language.....	3
SPCH	2293	Intro. to Comm. Studies (Required).....	3

### Fourth Semester (16 hours)..... Credit Hrs.

		Science Course/Lab**.....	4
ENGL	2283	World Literature I OR	
ENGL	2293	World Literature II.....	3
		Minor Course.....	3
		Foreign Language.....	3
SPCH	2203	Interpersonal Communication.....	3

### Fifth Semester (16 hours)..... Credit Hrs.

SPCH	2273	Argumentation/Debate (Required).....	3
SPCH	2223	Mass Communication (Required).....	3
		Major Elective.....	3
		Minor Course.....	3
		BA Identity Requirement.....	3
		Elective (Upper Level).....	1

### Sixth Semester (16 hours)..... Credit Hrs.

SPCH	3513	Oral Interpretation.....	3
SPCH	3533	Organizational Communication.....	3
		Elective.....	3
		Minor Course.....	3
		BA Identity Requirement.....	3
		Elective.....	1

### Seventh Semester (15 hours)..... Credit Hrs.

SPCH	4653	Theories of Human Comm.....	3
SPCH		Major Elective (Upper Level).....	3
SPCH		Major Elective (Upper Level).....	3
		Minor Course.....	3
		Elective (Upper Level).....	3

### Eighth Semester (15 hours)..... Credit Hrs.

SPCH	4633	Senior Capstone in Speech Comm.....	3
SPCH		Major Elective (Upper Level).....	3
		Minor Course.....	3
		Elective (Upper Level).....	3
		Elective.....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Arts degree to complete six hours of one foreign language and six hours of courses known as the B.A. Identity Requirements courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Business Administration - Accounting

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester (16 hours).....	Credit Hrs
ENGL1013 Composition I.....	3
MATH 1003 Survey of Mathematics OR	
MATH 1043 College Algebra.....	3
Social Science Elective.....	3
Science Course & Lab.***.....	4
PSY 1013 Intro. to Psychology OR	
SOC 2213 Intro. to Sociology.....	3

Second Semester (16 hours).....	Credit Hrs.
SPCH Speech Requirement**.....	3
ENGL1023 Composition II.....	3
ART 1053 Art Appreciation OR	
MUS 1113 Music Appreciation.....	3
Science Course w/Lab***.....	4
PSCI 2213 American National Govt.....	3
HIST 2213 American History I OR	
HIST 2223 American History II OR.....	3

Third Semester (15hours).....	Credit Hrs.
ACCT2213 Principles of Acctg. I.....	3
CIS 2223 Microcomputer Applications.....	3
ECON 2213 Principles of Microeconomics.....	3
HIST 1013 Survey of Civilization I OR	
HIST 1023 Survey of Civilization II.....	3
ENGL2283 World Literature I OR	
ENGL2293 World Literature II.....	3

Fourth Semester (16 hours).....	Credit Hrs.
ACCT2223 Principles of Acctg. II.....	3
ECON 2203 Principles of Macroeconomics.....	3
GB 2113 Business Statistics I.....	3
ACCT3403 Intermediate Accounting.....	3
Elective.....	1
Humanities Elective.....	3

Fifth Semester (15 hours).....	Credit Hrs.
ACCT3413 Intermediate Accounting II.....	3
ACCT3433 Cost Accounting.....	3
GB 3353 International Business.....	3
MGMT 3473 Prin. Mgmt. & Org. Behavior.....	3
GB 3233 Business Statistics II.....	3

Sixth Semester (15 hours).....	Credit Hrs.
ACCT3523 Intermediate Accounting III.....	3
FIN 3473 Principles of Finance.....	3
ACCT Accounting Elective.....	3
MKT 3403 Principles of Marketing.....	3
GB 3043 Business Communication.....	3

Seventh Semester (15 hours).....	Credit Hrs.
ACCT4613 Advanced Accounting.....	3
ACCT4683 Federal Income Tax I.....	3
ACCT4773 Auditing.....	
3 MGMT 4643.....	Production/Operations Mgmt.
3 ACCT.....	Accounting Elective
3	
Eighth Semester (16 hours).....	Credit Hrs.
MGMT 4653 Strategic Management.....	3
ACCT4693 Federal Income Tax II.....	3
ACCT4513 Accounting Information Systems.....	3
GB 3533 Legal Environment of Business.....	3
Electives.....	4

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science .....w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Business Administration - Business Administration

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs

MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra.....	3
ENGL	1013	Composition I.....	3
PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
SPCH		Speech Requirement**.....	3

### Second Semester (16 hours)..... Credit Hrs.

ENGL	1023	Composition II.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3
CIS	2223	Microcomputer Applications.....	3
		Humanities Elective.....	3
		Science Course w/Lab***.....	4

### Third Semester (15 hours)..... Credit Hrs.

ACCT	2213	Prin. of Accounting. I.....	3
		Social Science Elective.....	3
ECON	2203	Principles of Macroeconomics.....	3
ENGL	2283	World Literature I OR	
ENGL	2293	World Literature II.....	3
		Elective.....	3

### Fourth Semester (16 hours)..... Credit Hrs.

ACCT	2223	Prin. of Accounting II.....	3
ECON	2213	Principles of Microeconomics.....	3
GB	2113	Business Statistics I.....	3
		Science Course w/Lab.....	4
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Govt.....	3

### Fifth Semester (15 hours)..... Credit Hrs.

ACCT	3433	Cost Accounting.....	3
GB	3233	Business Statistics II.....	3
MKT	3403	Principles of Marketing.....	3
3	GB	3043.....Business Communication	3
3	MGMT	3473.....Prin. Mgmt. & Org. Behavior	3

### Sixth Semester (16 hours)..... Credit Hrs.

GB	3533	Legal Environment of Business.....	3
FIN	3473	Principles of Finance.....	3
MGMT	3403	Entrepreneurship.....	3
GB	3353	International Business.....	3
		Electives.....	4

### Seventh Semester (16 hours)..... Credit Hrs.

MGMT	4613	Mgmt. Information Systems.....	3
FIN	4603	Financial Policy & Planning.....	3
3	MGMT	4363.....Topics in E-Commerce	3
3	MKT	.....	3
		Consumer Behavior.....	3
		Electives.....	4

### Eighth Semester (15 hours)..... Credit Hrs.

MGMT	4653	Strategic Management.....	3
MGMT	4633	Human Resources Mgmt.....	3
MGMT	4643	Production/Operations Mgmt.....	3
		Electives.....	6

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science ...w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Business Administration - Entrepreneurship

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs

MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra	3
ENGL	1013	Composition I	3
		Speech Requirement**	3
PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II	3

### Second Semester (16) ..... Credit Hrs.

ENGL	1023	Composition II	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation	3
		Science Course w/Lab***	4
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Govt	3
CIS	2223	Microcomputer Applications	3

### Third Semester (15hours)..... Credit Hrs.

ACCT	2213	Prin. of Accounting I	3
		Social Science Elective	3
ECON	2203	Principles of Macroeconomics	3
ENGL	2283	World Literature I OR	3
ENGL	2293	World Literature II	3
		Humanities Elective	3

### Fourth Semester (16 hours)..... Credit Hrs.

ACCT	2223	Prin. of Accounting II	3
ECON	2213	Principles of Microeconomics	3
		Science course/w Lab***	4
MGMT	3473	Prin. Mgmt. & Org. Behavior	3
GB	2113	Business Statistics I	3

### Fifth Semester (16 hours)..... Credit Hrs.

GB	3533	Legal Environment of Business	3
GB	3233	Business Statistics II	3
MKT	3403	Principles of Marketing	3
MGMT	3433	Entrepreneurship	3
		Elective(s)	4

### Sixth Semester (15 hours)..... Credit Hrs.

MGMT	4613	Mgmt. Information Systems	3
FIN	3473	Principles of Finance	3
GB	3043	Business Communications	3
GB	3353	International Business	3
		Elective	3

### Seventh Semester (15 hours)..... Credit Hrs.

MGMT	4693	New Venture Development	3
		Entrepreneurship Electives	6
MGMT	4643	Production/Operations Mgmt	3
		Elective	3

### Eighth Semester (16 hours)..... Credit Hrs.

MGMT	4653	Strategic Management	3
MGMT	4703	Entrepreneurship Practicum	3
		Business Elective 3	
		Electives	7

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Business Administration - Finance

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (16 hours)..... Credit Hrs.

MATH	1043	College Algebra OR	
MATH	1003	Survey of Mathematics.....	3
ENGL1013		Composition I.....	3
PSY	1013	Intro. To Psychology OR	
SOC	2213	Intro. to Sociology.....	3
		Science Course w/Lab***.....	4
SPCH		Speech Requirement**.....	3

### Second Semester (16 hours)..... Credit Hrs.

ENGL1023		Composition II.....	3
		Science Course w/Lab***.....	4
		Humanities Elective.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
		Social Science Elective.....	3

### Third Semester (15 hours)..... Credit Hrs.

ACCT 2213		Principles of Acctg. I.....	3
		Elective.....	3
ECON	2203	Principles of Macroeconomics.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3
		Elective.....	3

### Fourth Semester (15 hours)..... Credit Hrs.

ACCT 2223		Principles of Acctg. II.....	3
ECON	2213	Principles of Microeconomics.....	3
CIS	2223	Microcomputer Applications.....	3
ENGL 2283		World Literature I OR	
ENGL 2293		World Literature II.....	3
		Elective.....	3

### Fifth Semester (15 hours)..... Credit Hrs.

GB	3533	Legal Environment of Business.....	3
FIN	3473	Principles of Finance.....	3
MGMT	3473	Prin. Mgmt. & Org. Behavior.....	3
GB	2113	Business Statistics I.....	3
GB	3043	Business Communications.....	3

### Sixth Semester (16 hours)..... Credit Hrs.

FIN		Finance Elective.....	3
ECON	3453	Money, Banking, & Credit.....	3
GB	3233	Business Statistics II.....	3
MGMT	4613	Mgmt. Information Systems.....	3
GB	3353	International Business.....	3
		Elective.....	1

### Seventh Semester (16 hours)..... Credit Hrs.

FIN	4603	Financial Policy & Planning.....	3
FIN		Finance Elective.....	
3	MGMT	4643.....Production/Operations Mgmt.	
3	MKT	.....	3403
		Principles of Marketing.....	3
		Electives.....	4

### Eighth Semester (15 hours)..... Credit Hrs.

MGMT	4653	Strategic Management.....	3
FIN	4613	Investments.....	3
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Government.....	3
		Electives.....	6

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science.....w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Business Administration - Management

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs

MATH	1043	College Algebra OR	
MATH	1003	Survey of Mathematics.....	3
ENGL1013		Composition I.....	3
PSY	1013	Intro. To Psychology OR	
SOC	2213	Intro. to Sociology.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3
SPCH		Speech Requirement**.....	3

### Second Semester (16 hours)..... Credit Hrs.

ENGL1023		Composition II.....	3
		Science Course w/Lab***.....	4
CIS	2223	Microcomputer Applications.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Government.....	3

### Third Semester (16 hours)..... Credit Hrs.

ACCT 2213		Principles of Acctg. I.....	3
		Social Science Elective.....	3
ECON	2203	Principles of Macroeconomics.....	3
ENGL2283		World Literature I OR	
ENGL2293		World Literature II.....	3
		Science Course w/Lab***.....	4

### Fourth Semester (15 hours)..... Credit Hrs.

ACCT2223		Principles of Acctg. II.....	3
ECON	2213	Principles of Microeconomics.....	3
MGMT	3473	Prin. Mgmt. and Org. Behavior.....	3
GB	3043	Business Communication.....	3
GB	2113	Business Statistics I.....	3

### Fifth Semester (15 hours)..... Credit Hrs.

GB	3533	Legal Environment of Business.....	3
GB	3233	Business Statistics II.....	3
MGMT	3453	Industrial Relations.....	3
MKT	3403	Principles of Marketing.....	3
		Humanities Elective.....	3

### Sixth Semester (16 hours)..... Credit Hrs.

MGMT		Management Elective.....	3
FIN	3473	Principles of Finance.....	3
MGMT	4613	Mgmt. Information Systems.....	3
GB	3353	International Business.....	3
		Electives.....	4

### Seventh Semester (15hours)..... Credit Hrs.

MGMT		Management Elective.....	3
MGMT	4643	Production/Operations Mgmt.....	3
MGMT	4663	Adv. Org. Beh. & Org. Theory.....	3
		Electives.....	6

### Eighth Semester (16 hours)..... Credit Hrs.

MGMT	4653	Strategic Management.....	3
MGMT	4633	Human Resource Management.....	3
		Electives.....	10

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science .....w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Business Administration - Marketing

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs

MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra	3
ENGL	1013	Composition I	3
CIS	2223	Microcomputer Applications	
3	PSY		1013
		Intro. to Psychology OR	
SOC	2213	Intro. to Sociology	3
SPCH		Speech Requirement**	3

### Second Semester (16 hours)..... Credit Hrs.

ENGL	1023	Composition II	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation	3
		Science Course w/Lab***	4
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II	3
		Social Science Elective	3

### Third Semester (15 hours)..... Credit Hrs.

ACCT	2213	Prin. of Accounting I	3
ECON	2213	Principles of Microeconomics	3
ENGL	2283	World Literature I OR	
ENGL	2293	World Literature II	3
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Government	3
		Elective(s)	3

### Fourth Semester (16 hours)..... Credit Hrs.

ACCT	2223	Prin. of Accounting II	3
ECON	2203	Principles of Macroeconomics	3
		Science Course w/Lab***	4
MKT	3403	Principles of Marketing	3
GB	2113	Business Statistics I	3

### Fifth Semester (15 hours)..... Credit Hrs.

GB	3533	Legal Environment of Business	3
GB	3233	Business Statistics II	
3	MGMT	3473	Prin. Mgmt. & Org. Behavior
3	MKT		3463
		Consumer Behavior	3
GB	3043	Business Communications	3

### Sixth Semester (16 hours)..... Credit Hrs.

MGMT	4643	Production/Operations Mgmt	3
FIN	3473	Principles of Finance	3
MGMT	4613	Mgmt. Information Systems	3
MKT		MKT Requirement/MKT Elective	3

### Electives ..... 4

### Seventh Semester (15 hours)..... Credit Hrs.

MKT	4623	Marketing Research	3
MKT		Marketing Elective	6
GB	3353	International Business	3
MKT		MKT Requirement/Elective	3
		Electives	3

### Eighth Semester (16 hours)..... Credit Hrs.

MGT	4653	Strategic Management	3
MGT	4663	Marketing Management	3
		Elective	3
		Elective	4
		Humanities Elective	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science .....w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Science Degree in Agriculture - Agriculture Business

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester, Fall (14 hours)..... Credit Hrs.

AGRI 1101	Agriculture Orientation.....	1
ENGL1013	Composition I.....	
3 ANSC 1003	Principles of Animal Science.....	
3 MATH 1043	College Algebra.....	
3 BIOL	.....	1063
	Intro. to Biological Science.....	3
BIOL 1071	Intro. to Biological Science Lab.....	1

### Second Semester, Spring (15 hours)..... Credit Hrs.

AGRO 1033	Principles of Field Crops.....	3
ENGL1023	Composition II.....	3
HIST 2213	American History I OR	
HIST 2223	American History II OR.....	
PSCI 2213	American National Govt.....	3
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. to Sociology.....	3
CIS 2223	Microcomputer Applications.....	3

### Third Semester, Fall (16 hours)..... Credit Hrs.

SPCH	Speech Requirement**.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3
CHEM 1103	General Chemistry I.....	3
CHEM 1121	General Chemistry I Lab.....	1
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3
AGEC2273	Agriculture Economics.....	3

### Fourth Semester, Spring (16 hours)..... Credit Hrs.

ANSC 2213	Feeds and Feeding.....	3
ART 1053	Art Appreciation OR	
MUS 1113	Music Appreciation.....	3
CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab.....	1
	Humanities Elective.....	3
ECON 2203	Macroeconomics.....	3

### Fifth Semester, Fall (17 hours)..... Credit Hrs.

AGRO 2244	Soils.....	4
AGEC4823	Economics of Environ.Mgmt.....	
3 AGRO 3453	Forage Crops.....	
3 AGECEC 4683	Commodity Marketing.....	
3 ANSC 3474	Beef Production.....	
4		

### Sixth Semester, Spring (16 hours)..... Credit Hrs.

ANSC 3463	Poultry Production.....	3
AGEC4613	Agricultural Policy.....	3
AGEC4713	Agricultural Finance.....	3
BIOL 1153	General Zoology AND	
BIOL 1161	General Zoology Lab OR	
BIOL 1143	General Botany AND	
BIOL 1171	General Botany Lab.....	4

ACCT2213	Principles of Accounting I.....	3
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### Seventh Semester, Fall (15 hours)..... Credit Hrs.

AGEC3623	Farm Management.....	3
PSY 2203	Statistical Methods OR	
GB 2113	Business Statistics I.....	3
GB 3533	Legal Environment of Business.....	3
AGRO 2053	Applied Plant Pathology OR	
AGRO 3533	Intro. to Weed Science***.....	
3	Bus. Elect. from required group****.....	3

### Eighth Semester, Spring (16 hours)..... Credit Hrs.

ENTO 2283	Applied Entomology.....	3
AGEC4803	Agribusiness Firm Management.....	3
ENGL3253	Technical Writing.....	3
AGEC4703	Contract Marketing & Futures.....	3
AGRO 3503	Cereal Crops.....	3
AGRI 4771	Seminar.....	1

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\* Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications.

\*\*\*\* Business elective must be taken from the following courses: (1) General Insurance; (2) Principles of Management; (3) Real Estate Principles; (4) Principles of Marketing; or (5) Real Estate Finance.

\*\*\* Course taught every other year.

NOTE: Students cannot take upper division agriculture courses until granted acceptance by the Chair, Division of Agriculture.



# Bachelor of Science Degree in Agriculture - Animal Science

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester, Fall (14 hours)..... Credit Hrs.

AGRI 1101	Agriculture Orientation.....	1
ENGL1013	Composition I.....	
3 ANSC 1003	Principles of Animal Science.....	
3 MATH 1043	College Algebra.....	
3 BIOL	.....	1063

### Intro. to Biological Science ..... 3

BIOL 1071	Intro. to Biological Science Lab.....	1
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### Second Semester, Spring (15 hours)..... Credit Hrs.

AGRO 1033	Principles of Field Crops.....	3
ENGL1023	Composition II.....	3
ART 1053	Art Appreciation OR.....	
MUS 1113	Music Appreciation.....	3
PSY 1013	Intro. to Psychology OR.....	
SOC 2213	Intro. to Sociology.....	3
SPCH	Speech Requirement**.....	3

### Third Semester, Fall (16 hours)..... Credit Hrs.

Elective	.....	3
HIST 2213	American History I OR.....	
HIST 2223	American History II OR.....	
PSCI 2213	American National Govt.....	3
CHEM 1103	General Chemistry I.....	3
CHEM 1121	General Chemistry I Lab.....	1
HIST 1013	Survey of Civilization I OR.....	
HIST 1023	Survey of Civilization II.....	3
AGEC2273	Agriculture Economics.....	3

### Fourth Semester, Spring (16 hours)..... Credit Hrs.

ANSC 2213	Feeds and Feeding.....	3
Humanities Elective	.....	3
CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab.....	1
ENGL2283	World Literature I OR.....	
ENGL2293	World Literature II.....	3
CIS 2223	Microcomputer Applications.....	3

### Fifth Semester, Fall (17 hours)..... Credit Hrs.

AGRO 2244	Soils.....	4
CHEM 2203	Intro. Organic & Biochem.*** OR.....	
ANSC 2223	A & P of Domestic Animals***.....	3
AGEC4623	Farm Management.....	3
ANSC 3413	Livestock Breeding & Gen. OR.....	
AGRO 3533	Intro. to Weed Science***.....	3
ANSC 3474	Beef Production.....	4

### Sixth Semester, Spring (19 hours)..... Credit Hrs.

ANSC 3463	Poultry Production.....	3
ANSC 3523/3493	Horse OR Swine Production.....	
ANSC 4653	Reprod. Of Farm. Animals***.....	3
ENTO 2283	Applied Entomology.....	3
BIOL 1153	General Zoology.....	3
BIOL 1161	General Zoology Lab.....	1
ANSC 4633	An. Metabolism & Nutrition***.....	3

### Seventh Semester, Fall (15 hours)..... Credit Hrs.

CHEM 2203	Intro. Organic & Biochem.*** OR.....	
ANSC 2223	A & P of Domestic Animals***.....	
3 AGECE 4683	Commodity Marketing.....	
3 ANSC 3413	Livestock Breeding & Gen.*** OR.....	
AGRO 3533	Intro. to Weed Science***.....	
3 AGRO 3453	Forage Crops.....	
3 PSY	.....	2203
Statistical Methods	.....	3

### Eighth Semester, Spring (17 hours)..... Credit Hrs.

Elective	.....	3
ANSC 4643	Diseases of Domestic Animals***.....	3
BIOL 3553	Microbiology.....	3
BIOL 3561	Microbiology Lab.....	1
ENGL3253	Technical Writing.....	3
AGRI 4771	Seminar.....	1
ANSC 3523	Horse Production OR.....	
ANSC 3493	Swine Production.....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\* Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications

\*\*\*Course taught every other year.

NOTE: Students cannot take upper division agriculture courses until acceptance is granted by the Chair, Division of Agriculture.

# Bachelor of Science Degree in Agriculture - General Agriculture

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester, Fall (16 hours)..... Credit Hrs.

AGRO 1033	Principles of Field Crops .....	3
ENGL1013	Composition I .....	3
ART 1053	Art Appreciation OR	
MUS 1113	Music Appreciation .....	3
BIOL 1063	Intro. to Biological Science .....	3
BIOL 1071	Intro. to Biological Science Lab.....	1
MATH 1043	College Algebra .....	3

### Second Semester, Spring (17 hours)..... Credit Hrs.

AGRI 1101	Agriculture Orientation.....	1
ENGL1023	Composition II.....	3
ANSC 1003	Principles of Animal Science.....	3
SPCH	Speech Requirement ** .....	3
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. to Sociology .....	3
CHEM 1121	General Chemistry I Lab .....	1
CHEM 1103	General Chemistry I .....	3

### Third Semester, Fall (16 hours)..... Credit Hrs.

HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3
CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab .....	1
CIS 2223	Microcomputer Applications.....	3
ANSC 2213	Feeds and Feeding.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II .....	3

### Fourth Semester, Spring (16 hours)..... Credit Hrs.

HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt .....	3
AGEC2273	Agriculture Economics.....	3
HORT 2443	Principles of Horticulture*** .....	3
	Humanities Elective .....	3
BIOL 1153	General Zoology.....	3
BIOL 1161	General Zoology Lab.....	1

### Fifth Semester, Fall (15 hours)..... Credit Hrs.

AGEC4613	Agricultural Policy .....	3
ENTO 2283	Applied Entomology .....	3
3	AGEC 4803..... Agribusiness Firm Management	
3	ANSC 3493..... Swine Production***	
3	AGRO 3503..... Cereal Crops	
3		

### Sixth Semester, Spring (17 hours)..... Credit Hrs.

AGRO 2244	Soils.....	4
AGRO 3513	Fiber & Oilseed Crops*** .....	3
AGRO 2053	Applied Plant Pathology*** .....	3
ANSC 3474	Beef Production .....	4
AGRO 3453	Forage Crops.....	3

### Seventh Semester, Fall (12 hours)..... Credit Hrs.

ANSC 3463	Poultry Production.....	3
PSY 2203	Statistical Methods.....	3
AGEN 2263	Soil & Water Conservation*** .....	3
ANSC 3523	Horse Production.....	3

### Eighth Semester, Spring (16 hours)..... Credit Hrs.

AGEC4623	Farm Management.....	3
ENGL3253	Technical Writing .....	3
AGEC4823	Economics of Environ. Mgmt .....	3
AGEC4683	Commodity Marketing.....	3
AGRO 3533	Intro. to Weed Science*** .....	3
AGRI 4771	Seminar .....	1

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\* Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications.

\*\*\* Course taught every other year.

NOTE: Students cannot take upper division agriculture courses until granted acceptance by the Chair, Division of Agriculture.

# Bachelor of Science Degree in Agriculture - Plant & Soil Science

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester, Fall (14 hours)..... Credit Hrs.

AGRI 1101	Agriculture Orientation.....	1
ENGL1013	Composition I.....	
3 ANSC 1003	.....Principles of Animal Science	
3 MATH 1043	.....College Algebra	
3 BIOL	.....1063	
	Intro. to Biological Science.....	3
BIOL 1071	Intro. to Biological Science Lab.....	1

### Second Semester, Spring (15 hours) ..... Credit Hrs.

AGRO 1033	Principles of Field Crops.....	3
ENGL1023	Composition II.....	3
ART 1053	Art Appreciation OR	
MUS 1113	Music Appreciation.....	3
PSY 1013	Intro. to Psychology OR.....	
SOC 2213	Intro. to Sociology.....	3
SPCH	Speech Requirement **.....	3

### Third Semester, Fall (16 hours)..... Credit Hrs.

AGRO 2053	Applied Plant Pathology OR	
AGRO 3533	Intro. Weed Science.....	3
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3
CHEM 1103	General Chemistry I.....	3
CHEM 1121	General Chemistry I Lab.....	1
AGEC2273	Agriculture Economics.....	3

### Fourth Semester, Spring (16 hours)..... Credit Hrs.

ESCI 1063	Elements of Geology.....	3
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3
CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab.....	1
ENTO 2283	Applied Entomology.....	3
CIS 2223	Microcomputer Applications.....	3

### Fifth Semester, Fall (16 hours)..... Credit Hrs.

AGRO 2244	Soils.....	4
AGRO 3453	Forage Crops.....	3
PSY 2203	Statistical Methods.....	3
AGRO 2053	Applied Plant Pathology*** OR	
AGRO 3533	Intro. to Weed Science***.....	3
HORT 2443	Principles of Horticulture OR	
AGRO 3513	Fiber & Oilseed Crops***.....	

3

### Sixth Semester, Spring (17 hours)..... Credit Hrs.

AGEN 2263	Soil & Water Conservation*** OR	
AGRO 4753	Crop Physiology***.....	3
CHEM 2203	Intro. Organic & Biochem.*** OR	
AGRO 4743	Soil Fertility***.....	3
	Elective.....	4
BIOL 1143	General Botany.....	3
BIOL 1171	General Botany Lab.....	1
AGRO 3503	Cereal Crops.....	3

### Seventh Semester, Fall (15 hours)..... Credit Hrs.

HORT 2443	Principles of Horticulture OR	
AGRO 3513	Fiber & Oilseed Crops***.....	3
AGEC4623	Farm Management.....	3
AGEC4683	Commodity Marketing.....	3
ENGL3253	Technical Writing.....	3
	Humanities Elective.....	
	3	

### Eighth Semester, Spring (18 hours)..... Credit Hrs.

AGEN 2263	Soil & Water Conservation OR	
AGRO 4753	Crop Physiology***.....	3
CHEM 2203	Intro. Organic & Biochem. OR	
AGRO 4743	Soil Fertility***.....	3
	Elective.....	3
AGEC4613	Agriculture Policy.....	4
BIOL 3553	Microbiology.....	3
BIOL 3561	Microbiology Lab.....	1
AGRI 4771	Seminar.....	1

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\* Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications.

\*\*\* Course taught every other year.

NOTE: Students cannot take upper division agriculture courses until granted acceptance by the Chair, Division of Agriculture.

# Bachelor of Science Degree in Biology (beginning Fall '07)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2007 – First Semester (14 hours).....		Credit Hrs
BIOL	1053 Principles of Biology I.....	3
BIOL	1041 Prin. of Biol. I Lab.....	1
CHEM	1103 General Chemistry I.....	3
CHEM	1121 General Chem. I Lab.....	1
MATH	1043 College Algebra.....	3
ENGL1013	Composition I.....	3

Spring 2008 – Second Semester (17 hours).....		Credit Hrs.
BIOL	1083 Principles of Biology II.....	3
BIOL	1091 Prin. of Biol. II Lab.....	1
CHEM	1113 General Chemistry II.....	3
CHEM	1131 General Chem. II Lab.....	1
MATH	1033 Trigonometry.....	3
ENGL1023	Composition II.....	3
HIST	1013 Survey of Civilization I OR	
HIST	1023 Survey of Civilization II.....	3

Fall 2008 – Third Semester (14 hours).....		Credit Hrs.
BIOL	1143 General Botany.....	3
BIOL	1171 General Botany Lab.....	1
CHEM	3404 Organic Chemistry I.....	4
SPCH	Speech Requirement**.....	3
	Social Science Elective.....	3

Spring 2009 – Fourth Semester (17 hours).....		Credit Hrs.
BIOL	1153 General Zoology.....	3
BIOL	1161 General Zoology Lab.....	1
CHEM	3414 Organic Chemistry II.....	4
PSY	1013 Intro. Psychology.....	3
HIST	2213 American History I OR	
HIST	2223 American History II OR	
PSCI	2213 American National Govt.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3

Fall 2009 – Fifth Semester (14 hours).....		Credit Hrs.
BIOL	3484 General Ecology.....	4
BIOL	3363 Cell Biology.....	3
PHYS2203	General Physics I.....	
3	PHYS 2231.....	Physics Lab. I
1	Minor Elective.....	
		3

Spring 2010 – Sixth Semester (17 hours).....		Credit Hrs.
BIOL	3763 Evolution.....	3
BIOL	3354 Genetics.....	4
PHYS2213	General Physics II.....	3
PHYS2241	Physics Lab. II.....	1
	Minor Elective.....	3
	Minor Elective (Upper Level).....	3

Fall 2010 – Seventh Semester (17 hours).....		Credit Hrs.
BIOL	3000-4000 Elective.....	4
ESCI	1063 Elements of Geology.....	3
ESCI	1051 Elem. of Geology Lab.....	
1	MUS.....	1113
	Music Appreciation OR	
	ART 1053 Art Appreciation.....	3
	Minor Elective.....	3
	Minor Elective (Upper Level).....	3

Spring 2011 – Eighth Semester (14 hours).....		Credit Hrs.
BIOL	4634 Vertebrate Physiology.....	4
BIOL	4741 Biology Seminar.....	1
	Humanities Elective.....	3
	Minor Elective (Upper Level).....	3
	Minor Elective.....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications.

# Bachelor of Science Degree in Biology (beginning Fall '08)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2008 – First Semester (14 hours)		Credit Hrs
BIOL 1053	Principles of Biology I	3
BIOL 1041	Prin. of Biol. I Lab.	1
CHEM 1103	General Chemistry I	3
CHEM 1121	General Chem. I Lab.	1
MATH 1043	College Algebra	3
ENGL1013	Composition I	3

Spring 2009 – Second Semester (17 hours)		Credit Hrs.
BIOL 1083	Principles of Biology II	3
BIOL 1091	Prin. of Biol. II Lab.	1
CHEM 1113	General Chemistry II	3
CHEM 1131	General Chem. II Lab.	1
MATH 1033	Trigonometry	3
ENGL1023	Composition II	3
HIST 1013	Survey Civilization I OR	
HIST 1023	Survey Civilization II	3

Fall 2009 – Third Semester (14 hours)		Credit Hrs.
BIOL 1143	General Botany	3
BIOL 1171	General Botany Lab.	1
CHEM 3404	Organic Chemistry I	4
SPCH	Speech Requirement**	3
Social Science Elective		3

Spring 2010 – Fourth Semester (17 hours)		Credit Hrs.
BIOL 1153	General Zoology	3
BIOL 1161	General Zoology Lab.	1
CHEM 3414	Organic Chemistry II	4
PSY 1013	Intro. Psychology	3
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.	3
ENGL2283	World Literature I OR	
ENGL 2293	World Literature II	3

Fall 2010 – Fifth Semester (15 hours)		Credit Hrs.
BIOL 3484	General Ecology	4
BIOL 3000-4000	Elective	4
PHYS2203	General Physics I	3
PHYS 2231	Physics Lab. I	1
Minor Elective		3

Spring 2011 – Sixth Semester (15 hours)		Credit Hrs.
BIOL 4634	Vertebrate Physiology	4
BIOL 3354	Genetics	4
PHYS2213	General Physics II	3
PHYS2241	Physics Lab. II	1
Minor Elective (Upper Level)		3

Fall 2011 – Seventh Semester (16 hours)		Credit Hrs.
BIOL 3363	Cell Biology	3
ESCI 1063	Elements of Geology	
3 ESCI		1051
Elem. of Geology Lab.		1
ART 1053	Art Appreciation OR	
MUS 1113	Music Appreciation	3
Minor Elective		3
Minor Elective (Upper Level)		3

Spring 2011 – Eighth Semester (14 hours)		Credit Hrs.
BIOL 3763	Evolution	3
BIOL 4741	Biology Seminar	1
Humanities Elective		3
Minor Elective (Upper Level)		3
Minor Elective		3
Minor Elective		3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

# Bachelor of Science Degree in Biology - Organismal (beginning Fall '07)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2007 - First Semester (14 hours).....		Credit Hrs.
BIOL	1053 Principles of Biology I.....	3
BIOL	1041 Prin. of Biol. I Lab.....	1
CHEM	1103 General Chemistry I.....	3
CHEM	1121 General Chem. I Lab.....	1
MATH	1043 College Algebra.....	3
ENGL1013	Composition I.....	3

Spring 2008 - Second Semester (17 hours).....		Credit Hrs.
BIOL	1083 Principles of Biology II.....	3
BIOL	1091 Prin. of Biology II Lab.....	1
CHEM	1113 General Chemistry II.....	3
CHEM	1131 General Chem. II Lab.....	1
MATH	1033 Trigonometry.....	3
ENGL1023	Composition II.....	3
HIST	1013 Survey of Civilization I OR	
HIST	1023 Survey of Civilization II.....	3

Fall 2008 - Third Semester (15 hours).....		Credit Hrs.
BIOL	1143 General Botany.....	3
BIOL	1171 General Botany Lab.....	1
1	CHEM 2203..... Intro. to Org. & Biochemistry	3
3	CHEM 2211..... Intro. to Org. & Biochem. Lab.	3
1	PHYS 2203..... General Physics	3
1	3 PHYS 2231..... Physics I Lab.	3
1	SPCH..... Speech	3
Requirement	3.....	3

Spring 2009 - Fourth Semester (17 hours).....		Credit Hrs.
BIOL	1153 General Zoology.....	3
BIOL	1161 General Zoology Lab.....	1
BIOL	3434 Regional Flora.....	4
MATH	1073 Compact Calculus.....	3
PSY	1013 Intro. Psychology.....	3
HIST	2213 American History I OR	
HIST	2223 American History II OR	
PSCI	2213 American National Govt.....	3

Fall 2009 - Fifth Semester (18 hours).....		Credit Hrs.
BIOL	3363 Cell Biology.....	3
BIOL	3413 Mammalogy.....	3
BIOL	3451 Mammalogy Lab.....	1
BIOL	3573 Comparative Anatomy.....	4
SIS	3814 Intro. To GIS.....	4
Social Science Elective.....		3

Spring 2010 - Sixth Semester (15 hours).....		Credit Hrs.
BIOL	3314 Ichthyology/Herpetology.....	4
BIOL	3354 Genetics.....	4
BIOL	3763 Evolution.....	3
BIOL	4634 Vertebrate Physiology.....	4

Fall 2010 - Seventh Semester (14 hours).....		Credit Hrs.
BIOL	3484 General Ecology.....	4
BIOL 4xx3	Elective.....	
3	ESCI.....	1063
Elements of Geology.....		3
ESCI	1051 Elem. of Geology Lab.....	1
MUS	1113 Music Appreciation OR	
ART	1053 Art Appreciation.....	
3		
Spring 2011 - Eighth Semester (15 hours).....		Credit Hrs.
BIOL	3524 Ornithology.....	4
BIOL	4741 Seminar.....	1
BIOL	4xx4 Elective.....	4
ENGL2283	Survey World Literature I OR	
ENGL2293	Survey World Literature II.....	3
Humanities Elective.....		3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication

# Bachelor of Science Degree in Biology - Organismal (beginning Fall '08)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2008 - First Semester (14 hours)		Credit Hrs
BIOL	1053 Principles of Biology I	3
BIOL	1041 Prin. of Biol. I Lab.	1
CHEM	1103 General Chemistry I	3
CHEM	1121 General Chem. I Lab	1
MATH	1043 College Algebra	3
ENGL1013	Composition I	3

Spring 2009 - Second Semester (17 hours)		Credit Hrs.
BIOL	1083 Principles of Biology II	3
BIOL	1091 Prin. of Biol. II Lab.	1
CHEM	1113 General Chemistry II	3
CHEM	1131 General Chem. II Lab.	1
MATH	1033 Trigonometry	3
ENGL1023	Composition II	3
HIST	1013 Survey Civilization I OR	
HIST	1023 Survey Civilization II	3

Fall 2009 - Third Semester (15 hours)		Credit Hrs.
BIOL	1143 General Botany	3
BIOL	1171 General Botany Lab.	
1 CHEM	2203	Intro. to Org. & Biochem. 3
	CHEM	2211
	Intro. to Org. & Biochem. Lab.	1
PHYS2203	General Physics I	3
PHYS2231	Physics I Lab	1
SPCH	Speech Requirement	3

Spring 2010 - Fourth Semester (17 hours)		Credit Hrs.
BIOL	1153 General Zoology	3
BIOL	1161 General Zoology Lab.	1
BIOL	3524 Ornithology	4
MATH	1073 Compact Calculus	3
PSY	1013 Intro. Psychology	3
HIST	2213 American History I OR	
HIST	2223 American History II OR	
PSCI	2213 American National Govt.	3

Fall 2010 - Fifth Semester (18 hours)		Credit Hrs.
BIOL	3484 General Ecology	4
BIOL	3574 Comparative Anatomy	
4 BIOL		4x3
Elective 3	SIS	
3814	Intro. To GIS	4
	Social Science Elective	3

Spring 2011 - Sixth Semester (15 hours)		Credit Hrs.
BIOL	3434 Regional Flora	4
BIOL	3354 Genetics	4
BIOL	4634 Vertebrate Physiology	4
ENGL2283	World Literature I OR	

ENGL2293	World Literature II	3
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Fall 2011 - Seventh Semester (145 hours)		Credit Hrs.
BIOL	3363 Cell Biology	3
BIOL	3413 Mammalogy	3
BIOL	3451 Mammalogy Lab.	
1 ESCI		1063
	Elements of Geology	3
ESCI	1051 Elements of Geology Lab.	1
MUS	1113 Music Appreciation OR	
ART	1053 Art Appreciation	
		3

Spring 2012 - Eighth Semester (15 hours)		Credit Hrs.
BIOL	3314 Ichthyology/Herpetology	4
BIOL	3763 Evolution	3
BIOL	4741 Seminar	1
BIOL 4xx4	Elective	4
	Humanities Elective	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication

# Bachelor of Science - Chemistry (beginning Fall '07)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### Fall 2007 - First Semester (16 hours)..... Credit Hrs.

CHEM	1103	General Chemistry I.....	3
CHEM	1121	General Chemistry I Lab.....	1
ENGL1013		Composition I.....	3
PSY	1013	Intro. to Psychology OR	
SOC	2213	Intro. to Sociology.....	3
MATH	1043	College Algebra.....	3
MATH	1033	Trigonometry.....	3

### Spring 2008 - Second Semester (15 hours)..... Credit Hrs.

CHEM	1113	General Chemistry II.....	3
CHEM	1131	General Chemistry II Lab.....	1
MATH	2255	Calculus.....	15
ENGL1023		Composition II.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Fall 2008 - Third Semester (16 hours)..... Credit Hrs.

CHEM	3404	Organic Chemistry I.....	4
MATH	3495	Calculus II.....	5
PHYS2203		General Physics I.....	
3	PHYS	2231.....	Physics I Lab.
1	SPCH	1023.....	Public Speaking OR
	SPCH	Speech Requirement**.....	3

### Spring 2009 - Fourth Semester (17 hours)..... Credit Hrs.

CHEM	3414	Organic Chemistry II.....	4
MATH	3525	Dif. Equations & Multi-Dim. Calc.....	5
PHYS2213		General Physics II.....	3
PHYS	2241	Physics II Lab.....	1
BIOL	1063	Biological Science.....	3
BIOL	1071	Biological Science Lab.....	1

### Fall 2009 - Fifth Semester (15 hours)..... Credit Hrs.

CHEM	4633	Biochemistry I.....	3
ENGL2283		World Literature I OR	
ENGL2293		World Literature II.....	3
Minor		.....	3
Minor	3	.....	Elective
			3

### Spring 2010 - Sixth Semester (16 hours)..... Credit Hrs.

CHEM	4714	Phys. Chem: K & Q.....	4
HIST	2213	American History I OR	
HIST	2223	American History II OR	
PSCI	2213	American National Govt.....	3
ART	1053	Art Appreciation OR	
MUS	1153	Music Appreciation.....	3
		Social Science Elective.....	3
		Minor (Upper Level).....	3

### Fall 2010 - Seventh Semester (14/15 hours)..... Credit Hrs.

CHEM	3314	Quantitative Analysis.....	4
CHEM	4611	Chemistry Seminar OR	
CHEM	4691	Senior Research OR.....	1
CHEM	4742	Adv. Lab Tech.....	2
		Humanities Elective.....	3
		Minor (Upper Level).....	3
		Minor	3

### Spring 2011 - Eighth Semester (15 hours)..... Credit Hrs.

CHEM	3444	Instrumental Analysis.....	4
CHEM	4704	Phys. Chem: Thermodynamics.....	4
		Minor (Upper Level).....	3
		Elective.....	4

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses:

(1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication



# Bachelor of Science - Chemistry (beginning Fall '08)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2008 - First Semester (16 hours)		Credit Hrs.
CHEM 1103	General Chemistry I	3
CHEM 1121	General Chemistry I Lab	1
ENGL1013	Composition I	3
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. to Sociology	3
MATH 1043	College Algebra	3
MATH 1033	Trigonometry	3

Spring 2009 - Second Semester (15 hours)		Credit Hrs.
CHEM 1113	General Chemistry II	3
CHEM 1131	General Chemistry II Lab	1
MATH 2255	Calculus	5
ENGL1023	Composition II	3
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II	3

Fall 2009 - Third Semester (16 hours)		Credit Hrs.
CHEM 3404	Organic Chemistry I	4
MATH 3495	Calculus II	5
PHYS2203	General Physics I	
3	PHYS 2231	Physics I Lab
1	SPCH 1023	Public Speaking OR
SPCH 2283	Business & Professional Speech	3

Spring 2010 - Fourth Semester (17 hours)		Credit Hrs.
CHEM 3414	Organic Chemistry II	4
MATH 3525	Dif. Equations & Multi-Dim. Calc.	5
PHYS2213	General Physics II	3
PHYS 2241	Physics II Lab	1
BIOL 1063	Biological Science	3
BIOL 1071	Biological Science Lab	1

Fall 2010 - Fifth Semester (15 hours)		Credit Hrs.
CHEM 3314	Quantitative Analysis	
4	Humanities Elective	3
	Minor (Upper Level)	3
	Minor	3
	Elective	2

Spring 2011 - Sixth Semester (15 hours)		Credit Hrs.
CHEM 3444	Instrumental Analysis	4
CHEM 4704	Phys. Chem: Thermodynamics	4
	Minor (Upper Level)	3
	Elective	4

Fall 2011 - Seventh Semester (14/15 hours)		Credit Hrs.
CHEM 4633	Biochemistry I	3
CHEM 4611	Chemistry Seminar OR	
CHEM 4691	Senior Research OR	1
CHEM 4742	Adv. Lab Tech	2
ENGL2283	World Literature I OR	
ENGL2293	World Literature II	3
Minor	3	Minor
1	Elective	

Spring 2012 - Eighth Semester (16 hours)		Credit Hrs.
CHEM 4714	Phys. Chem: K & Q	4
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.	3
ART 1053	Art Appreciation OR	
MUS 1153	Music Appreciation	3
	Social Science Elective	3
	Minor (Upper Level)	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science - Computer Information Systems

## Recommended Sequence of Courses\*

Fall/Spring Semester Start Date		
First Semester (15 hours).....		Credit Hrs.
CIS	1013 Intro. to Computer-based Systems.....	3
ENGL	1013 Composition I.....	3
MATH	1043 College Algebra.....	3
SPCH	Speech Requirement**.....	3
Social Science Elective.....		3

Second Semester (16 hours).....		Credit Hrs.
CIS	2223 Microcomputer Apps.....	3
ENGL	1023 Composition II.....	3
Science Course & Lab***.....		4
HIST	1012 Survey of Civilization I OR	
HIST	1023 Survey of Civilization II.....	3
ART	1053 Art Appreciation OR	
MUS	1113 Music Appreciation.....	3

Third Semester (16 hours).....		Credit Hrs.
ACCT	2213 Prin. of Accounting I.....	3
CIS	2203 Programming Logic & Design.....	3
CIS	3103 Adv Microcomputer Apps.....	3
Science Course & Lab***.....		4
ENGL	2283 World Literature I OR	
ENGL	2293 World Literature II.....	3

Fourth Semester (15 hours).....		Credit Hrs.
ACCT	2223 Prin. of Accounting II.....	3
CIS	3443 Object-Oriented Prog. Language.....	3
ECON	2213 Prin. of Microeconomics.....	3
Math/Science Elective.....		3
HIST	2213 American History I OR	
HIST	2223 American History II OR	
PSCI	2213 American National Govt.....	3

Fifth Semester (15 hours).....		Credit Hrs.
CIS	3423 COBOL.....	3
CIS	CIS Elective (Upper Level).....	3
ENGL	3253 Technical Writing.....	3
Elective.....		3
Elective.....		3

Sixth Semester (17 hours).....		Credit Hrs.
CIS	3523 Structured Sys. Anal. & Design.....	3
CIS	3553 Advanced COBOL.....	3
GB	2113 Business Statistics I.....	3
SPCH	Speech Supportive Requirement.....	3
Elective.....		2
Elective.....		3

Seventh Semester (15 hours).....		Credit Hrs.
CIS	4623 Database Mgmt Systems.....	3
MKT	3403 Prin. of Marketing.....	3
MGMT	Mgmt. Supportive Requirement.....	3
Elective (Upper Level).....		3
Elective.....		3

Eighth Semester (15 hours).....		Credit Hrs.
CIS	4503 Business Data Communications.....	3
CIS	4633 App. Software Development Project.....	3
Elective.....		3
Elective.....		3
Elective.....		3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communications.

\*\*\*Basic sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Science - Criminal Justice

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (16 hours)..... Credit Hrs

CJ	1013	Intro. to Criminal Justice.....	3
MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra.....	3
ENGL1013		Composition I.....	3
		Science Course w/Lab**.....	4
HIST	1013	Survey of Civilization I OR	
HIST	2223	Survey of Civilization II.....	3

### Second Semester (15 hours) ..... Credit Hrs.

PSCI	2213	American National Govt. ....	3
ENGL1023		Composition II .....	3
CJ	2143	Juvenile Justice.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3
		Math/Science/Technology Elective.....	3

### Third Semester (16 hours)..... Credit Hrs.

ENGL3253		Technical Writing.....	3
PSY	2203	Statistical Methods.....	3
CJ	2283	Research Methods.....	
3		Science Course w/Lab**.....	4
Minor		.....	3

### Fourth Semester (18 hours)..... Credit Hrs.

CJ	2133	CJ Ethics.....	3
SPCH		Speech Requirement* .....	3
		Humanities Elective .....	3
CJ	2123	Corrections.....	3
Minor		.....	3
ENGL2283		World Literature I OR	
ENGL2293		World Literature II .....	3

### Fifth Semester (15 hours)..... Credit Hrs.

PSY	1013	Intro. to Psychology.....	3
SOC	2223	Social Problems.....	3
CJ	2113	Policing.....	3
CJ	3233	Criminal Law.....	3
Minor		.....	3

### Sixth Semester (15 hours)..... Credit Hrs.

CJ		Elective 3	
PSY	4673	Abnormal Psychology .....	3
PSY	3453	Race and Ethnic Relations .....	3
Minor		.....	3
		Math/Science/Technology Elective.....	3

### Seventh Semester (15 hours)..... Credit Hrs.

CJ	4373	Criminology.....	3
Elective		.....	3
CJ		Criminal Justice Elective .....	
3		Minor .....	
3		Minor .....	

### Eighth Semester (15 hours)..... Credit Hrs.

CJ Elective		.....	3
CJ	3243	Criminal Procedure.....	3
Elective		.....	3
Minor /Elective		.....	3
Minor /Elective		.....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*Speech Requirement may be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science .....w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

# Bachelor of Science - Health and Physical Education (Exercise Science)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester (17 hours).....	Credit Hrs.
ENGL1013 Composition I.....	3
MATH Mathematics Course.....	3
SPCH 1023 Public Speaking OR	
SPCH 2283 Bus. & Prof. Speech OR.....	
SPCH 2203 Interpersonal Communication.....	3
ART 1053 Art Appreciation OR	
MUS 1133 Music Appreciation.....	3
BIOL 1063 Biological Science.....	3
BIOL 1071 Biological Science Lab.....	1
PE 1081 CVR.....	1

### Second Semester (15 hours)..... Credit Hrs.

\*NOTE: 16 hours without passing score on the fitness test.

ENGL1023 Composition II.....	3
EXSC1012 Concepts of Fitness.....	2
Humanities Elective.....	3
HIST 2213 American History I OR	
HIST 2223 American History II OR	
PSCI 2213 American National Govt.....	3
CHEM 1023 Intro. to Chemistry AND.....	3
CHEM 1031 Intro. to Chemistry Lab OR.....	1
CHEM 1103 General Chemistry I AND.....	3
CHEM 1121 General Chemistry I Lab.....	1
Pass Fitness Standard Test or PE 1081.....	1

### Third Semester (17 hours)..... Credit Hrs.

\*NOTE: 18 hours without passing score on the fitness test.

BIOL 2233 Anatomy & Physiology I.....	3
BIOL 2291 Anatomy & Physiology I Lab.....	1
EXSC 2163 Sport Entrepreneurship.....	3
PE 2203 Health/Wellness Promotion.....	
3 Social Science Elective.....	3
ENGL2283 World Literature I OR	
ENGL 2293 World Literature II.....	3
PE 1011 Weight Training.....	1
Pass Fitness Standard Test or PE 1081.....	1

### Fourth Semester (16 hours)..... Credit Hrs.

\*NOTE: 17 hours without passing score on the fitness test.

PE 2113 Nutrition.....	3
HIST 1013 Survey of Civilization I OR	
HIST 1023 Survey of Civilization II.....	3
PE 2313 Care/Prevention of Injuries.....	3
BIOL 2243 Anatomy & Physiology II.....	3
BIOL 2301 Anatomy and Physiology II Lab.....	1
CIS 2223 Microcomputer Applications.....	3
Pass Fitness Standard Test or PE 1081.....	1

### Fifth Semester (16 hours)..... Credit Hrs.

\*NOTE: 17 hours without passing score on the fitness test.

EXSC 4623 Community Rec. Intern.....	3
EXSC 3323 Strength & Conditioning.....	3
PE 4643 Kinesiology.....	
3 PE 4401.....	Kinesiology Lab
1 EXSC 2151.....	Methods of Teaching Aerobics
1	
EXSC 3311 PACE Certification.....	1
EXSC 4503 Exercise Prescription.....	3
PE 1000-level Elective.....	1
Pass Fitness Standard Test or PE 1081.....	1

### Sixth Semester (16 hours)..... Credit Hrs.

\*NOTE: 17 hours without passing score on the fitness test.

PE 1131 Fitness Aerobic Dance.....	1
PE 4713 Sports Administration.....	3
PE 3523 Exercise Physiology.....	3
PE 3461 Exercise Physiology Lab.....	1
PE 3503 Adaptive Physical Education.....	3
EXSC 4523 Geriatric Internship.....	3
PE 2272 First Aid/CPR.....	2
Pass Fitness Standard Test or PE 1081.....	1

### Seventh Semester (15 hours)..... Credit Hrs.

\*NOTE: 16 hours without passing score on the fitness test.

PE 3000-4000 Level Elective.....	3
PE 4603 Tests and Measurements.....	3
EXSC 4533 Sports Psychology.....	3
PSY 1013 Intro. to Psychology OR	
SOC 2213 Intro. to Sociology.....	3
EXSE 4683 Methods of Tchng. Exercise Sci.....	3
Pass Fitness Standard Test or PE 1081.....	1

### Eighth Semester (12 hours)..... Credit Hrs.

\*NOTE: 13 hours without passing score on the fitness test.

EXSC 4513 Exercise Certification Prep.....	3
BIOL 4673 Pharmacology.....	3
EXSC 4806 Internship Wellness.....	6
Pass Fitness Standard Test or PE 1081.....	1

NOTE: Students who are admitted to the Exercise Science Program are required to enroll in PE 1081 CVR Fitness or pass a minimum standard fitness test each semester of enrollment. All Exercise Science students will enroll in PE 1081 once as a part of the degree program.

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science - Mathematics (beginning Fall '07)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2007 - First Semester (15 hours)		Credit Hrs
ENGL1013	Composition I	3
MATH 1043	College Algebra	3
MATH 1033	Trigonometry	3
3	Minor	
3	PSY	1013
Intro. to Psychology OR		
SOC 2213	Intro. to Sociology	3

Spring 2008 - Second Semester (17 hours)		Credit Hrs
ENGL1023	Composition II	3
MATH 2255	Calculus	5
SPCH 1023	Public Speaking OR	
SPCH 2283	Business & Professional Speech	3
3	Minor	
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II	3

Fall 2008 - Third Semester (15 hours)		Credit Hrs
MATH 3495	Calculus II	5
MATH 3423	Geometry	3
BIOL 1063	Intro. to Biological Science	
3	BIOL	1071
Intro. to Biol. Science Lab.		1
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American. National Govt.	3

Spring 2009 - Fourth Semester (15 hours)		Credit Hrs
MATH 3525	Dif. Equations & Multi-Dim. Calc.	5
3	Minor	
PHYS2203	General Physics I OR	
PHYS2313	University Physics I	3
PHYS2231	Physics I Lab	1
ENGL2283	World Literature I OR	
ENGL2293	World Literature II	3

Fall 2009 - Fifth Semester (16 hours)		Credit Hrs
MATH 3403	Probability & Statistics	3
MATH 3453	Abstract Algebra	
3	Social Science Elective	
3	ART	1053
Art Appreciation OR		
MUS 1153	Music Appreciation	3
PHYS2213	General Physics II OR	
PHYS2323	University Physics II	3
PHYS2241	Physics II Lab	1

Spring 2010 - Sixth Semester (15 hours)		Credit Hrs
MATH 3513	Discrete Mathematics	3
3	Minor (Upper Level)	
3	Minor	

Humanities Elective	3
Elective	3

Fall 2010 - Seventh Semester (15 hours)		Credit Hrs
MATH 3413	Number Theory	3
3	Minor (Upper Level)	
3	Minor (Upper Level)	
3	Elective	
3	Elective (Upper Level)	

Spring 2011 - Eighth Semester (16 hours)		Credit Hrs
MATH 4711	Mathematics Seminar	1
MATH 3463	Linear Algebra	3
3	Minor	
3	Elective	

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science - Mathematics (beginning Fall '08)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

Fall 2008 - First Semester (15 hours).....		Credit Hrs
ENGL1013	Composition I.....	3
MATH 1043	College Algebra.....	
3 MATH 1033	.....	Trigonometry
3 Minor	.....	
3 PSY	.....	1013
Intro. to Psychology OR		
SOC 2213	Intro. to Sociology.....	3

Spring 2009 - Second Semester (17 hours).....		Credit Hrs.
ENGL1023	Composition II.....	3
MATH 2255	Calculus.....	5
SPCH 1023	Public Speaking OR	
SPCH 2283	Business & Professional Speech.....	3
Minor	3	
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3

Fall 2009 - Third Semester (15 hours).....		Credit Hrs.
MATH 3495	Calculus II.....	5
MATH 3403	Probability & Statistics.....	3
BIOL 1063	Intro. to Biological Science.....	3
BIOL 1071	Intro. to Biol. Science Lab.....	1
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt. ....	3

Spring 2010 - Fourth Semester (15 hours).....		Credit Hrs.
MATH 3525	Dif. Equations & Multi-Dim. Calc.....	5
Minor	3	
PHYS2203	General Physics I OR	
PHYS2231	Physics I Lab.....	1
PHYS2313	University Physics I.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3

Fall 2010 - Fifth Semester (16 hours).....		Credit Hrs.
MATH 3423	Geometry.....	3
MATH 3413	Number Theory.....	3
Social Science Elective.....		3
ART 1053	Art Appreciation OR	
MUS 1153	Music Appreciation.....	3
PHYS2213	General Physics II OR	
PHYS2323	University Physics II.....	3
PHYS2241	Physics II Lab.....	1

Spring 2011 - Sixth Semester (15 hours).....		Credit Hrs.
MATH 3463	Linear Algebra.....	3
Minor (Upper Level).....		3
Minor	3	
Humanities Elective.....		3
Elective.....		3

Fall 2011 - Seventh Semester (15 hours).....		Credit Hrs.
MATH 3453	Abstract Algebra.....	3
Minor (Upper Level).....		3
Minor (Upper Level).....		3
Elective.....		3
Elective (Upper Level).....		3

Spring 2012 - Eighth Semester (16 hours).....		Credit Hrs.
MATH 4711	Mathematics Seminar.....	1
MATH 3513	Discrete Mathematics.....	3
Minor	3	
Elective.....		9

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science - Natural Science (Life Science)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### Fall - First Semester (14 hours)..... Credit Hrs

ENGL1013	Composition I.....	3
MATH 1043	College Algebra.....	3
CHEM 1103	General Chemistry I.....	3
3 CHEM 1121	..... General Chemistry I Lab.	
1 BIOL	.....	1063
Biological Science.....		3
BIOL 1071	Biological Science Lab.....	1

### Spring - Second Semester (17 hours)..... Credit Hrs.

ENGL1023	Composition II.....	3
MATH 1033	Trigonometry.....	3
CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab.....	1
SPCH 1023	Public Speaking OR	
SPCH 2283	Business & Professional Speech.....	3
BIOL 1153	General Zoology.....	3
BIOL 1161	General Zoology Lab.....	1

### Fall - Third Semester (17 hours)..... Credit Hrs.

BIOL 1143	General Botany.....	3
BIOL 1171	General Botany Lab.....	1
PHYS2203	General Physics I.....	3
PHYS2231	General Physics I Lab.....	1
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. to Sociology.....	3
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3
Social Science Elective.....		3

### Spring - Fourth Semester (14 hours)..... Credit Hrs.

BIOL 3553	Microbiology.....	3
BIOL 3561	Microbiology Lab.....	1
PHYS2213	General Physics II.....	3
PHYS2241	General Physics II Lab.....	1
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3

### Fall - Fifth Semester (16 hours)..... Credit Hrs.

BIOL	Elective (Upper Level).....	3
ESCI 1063	Elements of Geology.....	
3 ESCI	.....	
1051	Elements of Geology Lab.....	1
ART 1053	Art Appreciation.....	OR
MUS 1153	Music Appreciation.....	3
Elective	.....	3

Elective (Upper Level)..... 3

### Spring - Sixth Semester (16 hours)..... Credit Hrs.

ESCI 1073	Earth and Atmosphere.....	3
ESCI 1081	Earth and Atmosphere Lab.....	1
BIOL	Elective (Upper Level).....	3
Elective (Upper Level)	.....	3
Elective (Upper Level)	.....	3
Humanities Elective	.....	3

### Fall - Seventh Semester (14 hours)..... Credit Hrs.

BIOL 3484	General Ecology.....	4
BIOL	Elective (Upper Level).....	3
Elective (Upper Level)	.....	4
Elective	.....	3

### Spring - Eighth Semester (16 hours)..... Credit Hrs.

BIOL	Elective (Upper Level).....	3
Elective (Upper Level)	.....	3
Elective (Upper Level)	.....	4
Elective	.....	3
Elective	.....	3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science - Natural Science (Physical Science) (beginning Fall '07)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### Fall 2007 - First Semester (16 hours)..... Credit Hrs

ENGL1013	Composition I.....	3
MATH 1043	College Algebra.....	
3 BIOL	.....	1063
	Biological Science.....	3
BIOL 1071	Biological Science Lab.....	1
ART 1053	Art Appreciation OR	
MUS 1153	Music Appreciation.....	3
PSY 1013	Intro. to Psychology OR	
SOC 2213	Intro. to Sociology.....	3

### Spring 2008 - Second Semester (16 hours)..... Credit Hrs.

ENGL1023	Composition II.....	3
MATH 1033	Trigonometry.....	3
ASTR 1033	Elements of Astronomy.....	3
ASTR 1041	Elements of Astronomy Lab.....	1
HIST 1013	Survey of Civilization I	
HIST 1023	Survey of Civilization II.....	3
SPCH 1023	Public Speaking OR	
SPCH 2283	Business & Professional Speech.....	3

### Fall 2008 - Third Semester (14 hours)..... Credit Hrs.

PHYS2203	General Physics I.....	3
PHYS2231	Physics I Lab.....	
1 CHEM 1103	.....	General Chemistry I
3 CHEM 1121	.....	General Chemistry I Lab.
1	Social Science Elective.....	3
Elective	.....	
3		

### Spring 2009 - Fourth Semester (17 hours)..... Credit Hrs.

CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab.....	1
PHYS2213	General Physics II.....	3
PHYS2241	General Physics II Lab.....	1
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3
Elective	.....	3

### Fall 2009 - Fifth Semester (17 hours)..... Credit Hrs.

CHEM 3404	Organic Chemistry I.....	4
ESCI 1063	Elements of Geology.....	
3 ESCI	.....	
1051	Elements of Geology Lab.....	1
	Humanities Elective.....	3
Elective	.....	3

### Elective.....

3		
Spring 2010 - Sixth Semester (14 hours)..... Credit Hrs.		
CHEM 3414	Organic Chemistry II.....	4
ESCI 1073	Earth and Atmosphere.....	3
ESCI 1081	Earth and Atmosphere Lab.....	1
MATH 1073	Compact Calculus.....	3
Elective	(Upper Level).....	3

### Fall 2010- Seventh Semester (15 hours)..... Credit Hrs.

CHEM 3314	Quantitative Analysis.....	4
CHEM/PHYS	Elective (Upper Level).....	
4	Elective.....	(Upper Level)
Level) 3	Elective.....	
(Upper Level) 4		

### Spring 2011 - Eighth Semester (15 hours)..... Credit Hrs.

CHEM/PHYS	Elective (Upper Level).....	4
Elective	(Upper Level).....	3
Elective	(Upper Level).....	4
Elective	(Upper Level).....	4

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.



# Bachelor of Science - Natural Science (Physical Science) (beginning Fall '08)

## Recommended Sequence of Courses\*

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### Fall 2008 - First Semester (16 hours) ..... Credit Hrs

ENGL1013	Composition I.....	3
MATH 1043	College Algebra.....	3
BIOL 1063	Biological Science.....	3
BIOL 1071	Biological Science Lab.....	1
ART 1053	Art Appreciation OR	
MUS 1153	Music Appreciation.....	3
SOC 2213	Intro. to Sociology OR	
PSY 1013	Intro. to Psychology.....	3

### Spring 2009 - Second Semester (16 hours) ..... Credit Hrs.

ENGL1023	Composition II.....	3
MATH 1033	Trigonometry.....	3
ASTR 1033	Elements of Astronomy.....	3
ASTR 1041	Elements of Astronomy Lab.....	1
HIST 1013	Survey of Civilization I OR	
HIST 1023	Survey of Civilization II.....	3
SPCH 1023	Public Speaking OR	
SPCH 2283	Business & Professional Speech.....	3

### Fall 2009 - Third Semester (14 hours)..... Credit Hrs.

PHYS2203	General Physics I.....	3
PHYS2231	Physics I Lab.....	
1 CHEM 1103	General Chemistry I.....	3
3 CHEM 1121	General Chemistry I Lab.....	3
1 Social Science Elective	.....	3
Elective	.....	3

### Spring 2010 - Fourth Semester (17 hours) ..... Credit Hrs.

CHEM 1113	General Chemistry II.....	3
CHEM 1131	General Chemistry II Lab.....	1
PHYS2213	General Physics II.....	3
PHYS2241	General Physics II Lab.....	1
HIST 2213	American History I OR	
HIST 2223	American History II OR	
PSCI 2213	American National Govt.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3
Elective	.....	3

### Fall 2010 - Fifth Semester (17 hours)..... Credit Hrs.

CHEM 3314	Quantitative Analysis.....	4
ESCI 1063	Elements of Geology.....	3
ESCI 1051	Elements of Geology Lab.....	1
Humanities Elective	.....	3
Elective	.....	3
Elective	.....	3

### Spring 2011 - Sixth Semester (14 hours)..... Credit Hrs.

CHEM/PHYS	Elective (Upper Level).....	4
ESCI 1073	Earth and Atmosphere.....	3
ESCI 1081	Earth and Atmosphere Lab.....	1
MATH 1073	Compact Calculus.....	3
Elective	(Upper Level).....	3

### Fall 2011- Seventh Semester (15 hours) ..... Credit Hrs.

CHEM 3404	Organic Chemistry I.....	4
CHEM/PHYS	Elective (Upper Level).....	
4 Elective	.....(Upper Level)	3
Elective	.....(Upper Level)	4

### Spring 2012 - Eighth Semester (15 hours)..... Credit Hrs.

CHEM 3414	Organic Chemistry II.....	4
Elective	(Upper Level).....	3
Elective	(Upper Level).....	4
Elective	(Upper Level).....	4

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science in Psychology

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

First Semester (15 hours).....		Credit Hrs
PSY	1013 Intro. to Psychology.....	3
MATH	1003 Survey of Mathematics OR	
MATH	1043 College Algebra.....	3
ENGL1013	Composition I.....	3
SPCH	Speech Requirement**.....	
3	HIST.....	1013
Survey of Civilization I OR		
HIST	1023 Survey of Civilization II.....	3

Second Semester (16 hours).....		Credit Hrs.
PSY	1023 Advanced Psychology.....	3
ENGL1023	Composition II.....	3
Science Course & Lab.***.....		4
SWK	1013 Intro. to Social Work.....	3
ART	1053 Art Appreciation OR	
MUS	1113 Music Appreciation.....	3

Third Semester (16 hours).....		Credit Hrs.
PSY	2203 Statistical Methods.....	3
SOC	2213 Intro. to Sociology.....	3
Science Course & Lab.***.....		4
HIST	2213 American History I OR	
HIST	2223 American History II OR	
PSCI	2213 American National Govt.....	3
ENGL2283	World Literature I OR	
ENGL2293	World Literature II.....	3

Fourth Semester (16 hours).....		Credit Hrs.
PSY	2294 Experimental Methods and Lab.....	4
PSY	Psychology Elective.....	3
Humanities Elective.....		3
PSY	3453 Race and Ethnic Relations.....	3
Math/Science/Technology Elect.....		3

Fifth Semester (15 hours).....		Credit Hrs.
PSY	Elective from 4 required groups.....	3
Psychology Elective.....		3
PSY	4673 Abnormal Psychology.....	3
Sociology or Social Wk. Elective.....		3
B.S. Identity Requirement.....		3

Sixth Semester (15 hours).....		Credit Hrs.
Elective (Upper Level).....		3
PSY	Elective from 4 required groups.....	3
PSY	Psychology Elective.....	3
Sociology or Social Wk. Elective.....		3
Elective (Upper Level).....		3

Seventh Semester (16 hours).....		Credit Hrs.
PSY	Elective from 4 required groups.....	3
PSY	465V Practicum.....	3
Electives (Upper Level).....		10

Eighth Semester (15 hours).....		Credit Hrs.
PSY	Elective from 4 required groups.....	3
PSY	465V Practicum.....	3
PSY	4643 Human Service Skills.....	3
Electives.....		6

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

NOTE: UAM requires all students seeking a Bachelor of Science degree to complete at least seventeen hours of mathematics, natural sciences, or technology known as B.S. Identity Requirement courses. Courses to satisfy this Identity Requirement are listed in the current catalog.

# Bachelor of Science - Spatial Information Systems (GIS Option)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (16 hours) ..... Credit Hrs.

CIS	2223	Microcomputer Applications.....	3
ENGL1013		Composition I.....	3
MATH	1043	College Algebra.....	3
SIS	1001	Introduction to SIS.....	1
ART	1053	Art Appreciation OR	
MUS	1133	Music Appreciation.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Second Semester (15 hours) ..... Credit Hrs.

CIS	2203	Programming Logic and Design.....	3
ENGL1023		Composition II.....	3
MATH	1033	Trigonometry.....	3
SIS	2023	Geographic Coord. Syst. & Cartography.....	3
PSY	1013	Introduction to Psychology OR	
SOC	2213	Introduction to Sociology.....	3

### Third Semester (16 or 18 hours) ..... Credit Hrs.

ENGL3253		Technical Writing.....	3
MATH	1073	Compact Calculus OR	
MATH	2255	Calculus I.....	3-5
GEOG	2213	General Geography I.....	3
SIS	2014	Boundary Surveying.....	
4 ENGL	2283	Survey of World Literature I OR	
ENGL2293		Survey of World Literature II.....	3

### Fourth Semester (17 hours) ..... Credit Hrs.

ESCI	1073	Earth & Atmosphere OR	
ESCI	1063	Elements of Geology.....	3
ESCI	1081	Earth and Atmosphere Lab OR	
ESCI	1051	Elements of Geology Lab.....	1
FOR	3353	Biometrics in Natural Resources.....	3
CIS	3443	Object Oriented Program. Lang. OR	
CIS	3433	Introduction to C# Programming.....	3
SIS	3814	Intro to GIS, GPS, & Remote Sensing.....	4

One of the following:

PHIL	3523	Logic	
PHIL	3623	Ethics	
PSCI	3423	Legislative Process	
PSCI	3433	Public Administration.....	3

### Fifth Semester (16 hours) ..... Credit Hrs.

PHYS1003		Elements of Physics OR	
PHYS2203		General Physics.....	3
PHYS1021		Elements of Physics Lab OR	
PHYS2231		General Physics Lab.....	1
PSCI	2213	American National Govt.....	3
CIS	4623	Database Mgmt. Systems.....	
3	SIS	3923.....	Remote Sensing
3	Elective	.....	
3			

### Sixth Semester (15 hours) ..... Credit Hrs.

GEOG	2223	General Geography II.....	3
MGMT	3473	Principles of Management.....	3
SIS	3843	Advanced GIS I.....	3
SIS	4633	Digital Photogrammetry.....	3
SPCH	1023	Public Speaking OR	
SPCH	2283	Business and Professional Speaking OR	
SPCH	2203	Interpersonal Communication.....	3

### Seventh Semester (15 hours) ..... Credit Hrs.

SIS	4183	Law & Profess. Geomatics.....	3
SIS	4193	Advanced GPS.....	3
SIS	4713	Advanced GIS II.....	3
Elective		.....	3
Elective		.....	3

### Eighth Semester (12-14 hours) ..... Credit Hrs.

SIS	4886	SIS Practicum.....	6
Elective		.....	3-4
Elective		.....	3-4

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Science - Spatial Information Systems (Surveying)

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (16 hours)..... Credit Hrs.

CIS	2223	Microcomputer Applications.....	3
ENGL1013		Composition I.....	3
MATH	1043	College Algebra.....	3
SIS	1001	Introduction to SIS.....	1
ART	1053	Art Appreciation OR	
MUS	1133	Music Appreciation.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	3

### Second Semester (15 hours) ..... Credit Hrs.

CIS	2203	Programming Logic and Design.....	3
ENGL	1023	Composition II.....	3
MATH	1033	Trigonometry.....	3
SIS	2023	Geographic Coord. Systems & Cartography.....	3
PSY	1013	Introduction to Psychology OR	
SOC	2213	Introduction to Sociology.....	3

### Third Semester (16 or 18 hours) ..... Credit Hrs.

ENGL3253		Technical Writing.....	3
MATH	1073	Compact Calculus OR	
MATH	2255	Calculus I.....	3-5
SIS	2114	Plane Surveying.....	4
ENGL2283		Survey of World Lit I OR	
ENGL2293		Survey of World Literature II.....	3
GEOG	2213	General Geography I OR	
GEOG	2223	General Geography II.....	3

### Fourth Semester (17 hours) ..... Credit Hrs.

ESCI	1073	Earth & Atmosphere OR	
ESCI	1063	Elements of Geology.....	3
ESCI	1081	Earth and Atmosphere Lab OR	
ESCI	1051	Elements of Geology Lab.....	1
FOR	3353	Biometrics in Natural Resources.....	3
PSCI	2213	American National Government.....	3
SIS	3814	Intro. to GIS, GPS, & Remote Sensing.....	4

### One of the following:

PHIL	3523	Logic	
PHIL	3623	Ethics	
PSCI	3423	Legislative Process	
PSCI	3433	Public Administration.....	3

### Fifth Semester (15 hours) ..... Credit Hrs.

PHYS1003		Elements of Physics OR	
PHYS2203		General Physics.....	3
PHYS1021		Elements of Physics Lab OR	
PHYS2231		General Physics Lab.....	1
FOR	2231	Dendrology Lab I.....	1
SIS	2014	Boundary Surveying.....	4
SIS	3923	Remote Sensing.....	3
Elective		.....	3

### Sixth Semester (14 hours)..... Credit Hrs.

FOR	2291	Dendrology Lab II.....	1
SIS	3153	Survey Plats & Deeds.....	3
SIS	3264	Route & Construction Surveying.....	4
SIS	3843	Advanced GIS I.....	3
SPCH	1023	Public Speaking OR	
SPCH	2283	Business and Prof. Speaking OR.....	
SPCH	2203	Interpersonal Communication.....	3

### Seventh Semester (16 hours)..... Credit Hrs.

MGMT	3473	Principles of Management.....	3
SIS	4183	Law & Professionalism in Geomatics.....	3
SIS	4193	Advanced GPS.....	3
SIS	4454	Advanced Surveying.....	4
Elective		.....	3

### Eighth Semester (11-13 hours) ..... Credit Hrs.

SIS	4886	SIS Practicum.....	6
Elective		.....	3-4
Elective		.....	2-3

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

# Bachelor of Social Work

## Recommended Sequence of Courses\*

### Fall Semester Start Date

A student who begins in spring or summer should see his/her advisor or Unit Head for an alternate Sequence of Courses.

### First Semester (15 hours)..... Credit Hrs.

SOC	2213	Intro. to Sociology.....	3
HIST	1013	Survey of Civilization I OR	
HIST	1023	Survey of Civilization II.....	
ENGL1013		Composition I.....	3
MATH	1003	Survey of Mathematics OR	
MATH	1043	College Algebra.....	3
CIS		Computer Course.....	3

### Second Semester (16 hours)..... Credit Hrs.

ENGL1023		Composition II.....	3
SPCH		Speech Requirement**.....	3
		Science Course & Lab***.....	4
PSY	1013	Intro. to Psychology.....	3
SWK	1013	Intro. to Social Work.....	3

### Third Semester (16 hours)..... Credit Hrs.

SWK	2133	Hum. Beh. in Soc. Evn. I.....	3
SOC	3453	Race and Ethnic Relations.....	
3	PSCI	.....	2213
		American National Govt.....	3
ENGL2283		World Literature I OR	
ENGL2293		World Literature II.....	3
		Science Course & Lab.***.....	4

### Fourth Semester (15 hours)..... Credit Hrs.

SWK	2233	Hum. Beh. In Soc. Env. II.....	3
MATH/SCI		Math/Science Elective.....	3
		Humanities Elective.....	3
ANTH	2203	Cultural Anthropology OR	
ANTH	2213	North American Indians.....	3
ART	1053	Art Appreciation OR	
MUS	1113	Music Appreciation.....	3

### Fifth Semester (18 hours)..... Credit Hrs.

SWK	3113	Generalist Practice I.....	3
SWK	3143	Social Welfare Policy I.....	
3	PSY	.....	2203
		Statistical Methods.....	3
PSY	4673	Abnormal Psychology.....	3
SOC	2223	Social Problems OR	
SOC	3413	The Family.....	3
ECON	2203	Macroeconomics.....	3

### Sixth Semester (15 hours)..... Credit Hrs.

SWK	3213	Generalist Practice II.....	3
SWK	3223	Social Welfare Policy II.....	3
SWK	3243	Methods of SWK Research.....	3
SWK		Elective.....	3

PSY	4623	Personality.....	3
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### Seventh Semester (15 hours)..... Credit Hrs.

SWK	4313	Generalist Practice III.....	3
SWK		Elective.....	
3	SWK	.....	
		Elective 3.....	
		SOC/PSY.....	3
		SOC/PSY.....	3

### Eighth Semester (14 hours)..... Credit Hrs.

SWK	4419	Field Practicum.....	9
SWK	4421	Field Practicum Seminar.....	2
SWK	4633	Gen. SWK Rural Environment3	

\*This suggested Sequence of Courses fulfills the requirements of Act 1014 of the 85th General Assembly.

\*\*Speech Requirement can be met by taking one of the following courses: (1) Public Speaking; (2) Business and Professional Speech; or (3) Interpersonal Communication.

\*\*\*Sciences must represent two of the following three groups: (1) Astronomy w/Lab or Earth Science w/Lab; (2) Biological Science w/Lab; or (3) Chemistry w/Lab or Physics w/Lab.

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## Colleges of Technology Crosssett & McGehee

University of Arkansas at Monticello College of  
Technology at Crosssett  
Telephone: 870-364-6414  
Fax: 870-364-5707  
Mailing Address: 1326 Highway 52 West,  
Crosssett, AR 71635  
E-mail: [rushing@uamont.edu](mailto:rushing@uamont.edu)

University of Arkansas at Monticello College of  
Technology at McGehee  
Telephone: 870-222-5360 or 1-800-747-5360  
Fax: 870-222-4709  
Mailing Address: 1609 East Ash Street  
P. O. Box 747, McGehee, AR 71654  
E-mail: [wareb@uamont.edu](mailto:wareb@uamont.edu)



The University of Arkansas at Monticello offers the following certificates of proficiency and technical certificates at its locations in Crossett and McGehee, Arkansas. Courses that enable a student to work toward an advanced degree are also offered at these locations. Technical courses required for these programs may be transferable toward a limited number of associate and baccalaureate degrees. Contact the school at each location for information regarding transferability of courses.

## Baccalaureate of Applied Science Degree

Students may choose to earn a Baccalaureate of Applied Science degree. Details of requirements for this degree are found in the Division of General Studies section of this catalog.

## Associate of Applied Science in General Technology Degree

Students may choose to earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan; details of requirements for this degree are found in the Division of General Studies section of this catalog.

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## Associate of Applied Science In Agriculture Production Management (McGehee campus)

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 63 hours

AGTC	1103	Tech Farm Machinery
AGTC	1113	Tech Agriculture Welding and Wiring
AGTC	1123	Tech Apprenticeship I
AGTC	1223	Tech Crop Pest Management
AGTC	1233	Tech Farm Power
AGTC	1243	Tech Apprenticeship II
AGTC	1253	Tech Apprenticeship III
AGTC	1273	Tech Apprenticeship IV
AGTC	1363	Tech Farm Management
AGTC	1373	Tech Grain and Cotton Processing
AGTC	1383	Tech Soil Fertilization
AGTC	1413	Tech Agriculture Finance
AGTC	1423	Tech Agriculture Business Law
AGTC	1493	Tech Computerized Records
AGEN	2263	Soil and Water Conservation
AGRO	1033	Principles of Field Crops
CIS	2223	Microcomputer Applications
ENGL	1013	Composition I
ENGL	1023	Composition II

One of the following courses:

MATH	0183	Intermediate Algebra
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or

MATH	1043	College Algebra or higher level mathematics course
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One of the following courses:

HIST	1013	Survey of Civilization I
HIST	1023	Survey of Civilization II
HIST	2213	American History I
HIST	2223	American History II
PSCI	2213	American National Government
PSY	1013	Introduction to Psychology
SOC	2213	Introduction to Sociology

## Associate of Applied Science in Industrial Technology Electromechanical Technology-Industrial Controls Option (Crossett campus)

Electromechanical Technology Industrial Controls students may choose to earn an Associate of Applied Science in Industrial Technology degree by completion of the following courses:

Major Requirements: 70 semester hours

CIS	2223	Microcomputer Applications
COM	1102	Employability Skills/Ethics
EIT	1704	Solid State/Analog Circuits
EIT	2103	Industrial Motors/AC Drives
EIT	2405	Programmable Controls
EIT	2613	DC Controls
ELT	1105	Fundamentals of Electricity
ELT	1604	Industrial Circuits and Controls
ENGL	1013	Composition I
ENGL	1023	Composition II
IET	1105	Fundamentals of Mechanics
IET	1203	Industrial Diagrams
IET	1504	Industrial Mechanics
IET	1703	Pneumatics and Hydraulics
IET	1803	Basic Machine Shop
IET	1112	Precision Maintenance
MAT	1304	Advanced Industrial Mathematics
MATH	0183	Intermediate Algebra or higher-level mathematics course
SAF	1203	Industrial Safety
WLD	1102	Introduction to Welding

One of the following courses:

PSY	1013	Introduction to Psychology
HIST	1013	Survey of Civilization I
HIST	1023	Survey of Civilization II
HIST	2213	American History I
HIST	2223	American History II
SOC	2213	Introduction to Sociology
PSCI	2213	American National Government

## Associate of Applied Science In Industrial Technology Electromechanical Technology-Instru-

## mentation Option (Crossett campus)

Electromechanical Technology Instrumentation students may choose to earn an Associate of Applied Science in Industrial Technology degree by completion of the following courses:

Major Requirements: 70 semester hours

CIS	2223	Microcomputer Applications
COM	1102	Employability Skills/Ethics
EIT	1704	Solid State/Analog Circuits
EIT	2103	Industrial Motors/AC Drives
EIT	2306	Instrumentation
EIT	2405	Programmable Controls
EIT	2613	DC Controls
EIT	2804	Basic Digital Technology
ELT	1105	Fundamentals of Electricity
ELT	1604	Industrial Circuits and Controls
ENGL	1013	Composition I
ENGL	1023	Composition II
IET	1105	Fundamentals of Mechanics
IET	1203	Industrial Diagrams
IET	1703	Pneumatics and Hydraulics
IET	1112	Precision Maintenance
MGT	2103	Tech Quality Management
MATH	0183	Intermediate Algebra or higher-level mathematics course
SAF	1203	Industrial Safety

One of the following:

PSY	1013	Introduction to Psychology
HIST	1013	Survey of Civilization I
HIST	1023	Survey of Civilization II
HIST	2213	American History I
HIST	2223	American History II
SOC	2213	Introduction to Sociology
PSCI	2213	American National Government

NOTE:

- Each technical program of study requires designated mathematics and English courses. Some courses within a program have mathematics or language course prerequisites or corequisites for enrollment.
- Placement in mathematics and English courses is determined by ASSET, COMPASS, ACT, SAT or equivalent placement test scores. Students whose placement test scores fall below minimum requirements listed for each program will be assigned to appropriate mathematics and/or English courses.
- Students must be consistently enrolled in a mathematics and/or English course until a grade of "C" or higher is achieved to satisfy the prerequisite for other courses.
- Students receiving a grade of "C" or higher will not be allowed to enroll for credit in any course which is a prerequisite or lower-level course.
- Students who wish to enroll more than three times in a specific course must have approval of the administration.
- Students with low entrance scores in both mathematics and English will be restricted to a credit hour enrollment limit based on their specific program requirements including the appropriate math and English course. Students should consult their counselor and/or advisor to make appropriate course selections to satisfy the credit hour enrollment limit.

## Administrative Information Processing Technical Certificate\* (Crossett campus)

The Administrative Information Processing program is

designed to prepare students for employment as data entry and/or word processing operators, accounting clerks, receptionists, administrative assistants, executive secretaries, or management personnel. NOTE: Technical course required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 39 semester hours

BUS	1103	Tech Business Mathematics
BUS	1113	Tech Business Machines
BUS	1123	Tech Accounting I
BUS	1203	Tech Keyboarding
BUS	1213	Tech Keyboarding Applications
BUS	1383	Tech Spreadsheet Applications
BUS	1503	Tech Word/Information Processing
BUS	1563	Tech Administrative Support Procedures
BUS	1603	Tech Vocabulary Development
BUS	2013	Tech Business Communications
BUS	2623	Tech Business Practicum

One of the following:

BUS	2003	Tech Business English
		or
ENGL	1013	Composition I

One of the following:

BUS	1303	Tech Computer Applications
		or
CIS	2223	Microcomputer Applications

\*Administrative Information Processing students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

## Agriculture Technology - Technical Certificate (McGehee campus)

Major Requirements: 42 semester hours

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

AGTC	1103	Tech Farm Machinery
AGTC	1113	Tech Agriculture Welding and Wiring
AGTC	1123	Tech Apprenticeship I
AGTC	1223	Tech Crop Pest Management
AGTC	1233	Tech Farm Power
AGTC	1243	Tech Apprenticeship II
AGTC	1253	Tech Apprenticeship III
AGTC	1273	Tech Apprenticeship IV
AGTC	1363	Tech Farm Management
AGTC	1373	Tech Grain and Cotton Processing
AGTC	1383	Tech Soil Fertilization
AGTC	1413	Tech Agriculture Finance
AGTC	1423	Tech Agriculture Business Law
AGTC	1493	Tech Computerized Records

## Automotive Service Technology - Technical Certificate\* (McGehee campus)

The Automotive Service Technology certificate prepares individuals to engage in the service and maintenance of all types



of automobiles. The program includes instruction in the eight areas of ASE certification: Engine Repair, Automotive Transmission and Transaxle, Manual Drive Train and Axles, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning and Engine Performance. All courses are approved by the National Automotive Technicians Education Foundation (NATEF). NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability. Major Requirements: 45 hours

The A.S.E. Certification Practice Test is taken at the end of each unit of study.

AUTO	1134	Suspension & Steering
AUTO	1214	Engine Repair
AUTO	1227	Electrical/Electronic Systems
AUTO	1237	Engine Performance
AUTO	1244	Automotive Transmission and Transaxle
AUTO	1253	Heating and Air Conditioning
AUTO	1264	Brakes
AUTO	1273	Manual Drive Train and Axles
ENGL	0133	Fundamentals of English or higher-level language course
MATH	0143	Introduction to Algebra or higher-level mathematics course
CIS	2223	Microcomputer Applications

\*Automotive Service Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Business Technology - Technical Certificate\* (McGehee campus)

The Business Technology certificate provides modern office training that includes accounting, secretarial, and computer-based courses. The curriculum is divided into three levels, each building on the previous one. All students participate in a two-week internship program at the end of Level 3.

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 42 semester hours

ACCO	1313	Tech Accounting I
ACCO	2323	Tech Accounting II
ACCO	2333	Tech Computerized Accounting
BUS	1563	Tech Administrative Support Procedures
BUS	2013	Tech Business Communications
BUSI	1003	Tech Keyboarding/Word Processing I
BUSI	2063	Tech Spreadsheet/DBMS
BUSI	2083	Tech Data Entry/Office Machines
BUSI	210V	Tech Business Internship
BUSI	2153	Tech Word Processing II
BUSI	2253	Tech Desktop Publishing
CIS	1013	Introduction to Computer Based Systems
CIS	2223	Microcomputer Applications

One of the following:

BUS	1103	Tech Business Mathematics
or		

MATH	0143	Introduction to Algebra or higher-level mathematics course
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One of the following:

BUSI	2003	Tech Business English
or		
ENGL	0133	Fundamentals of English or higher-level language course

\*Business Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Child Development Associate Certificate of Proficiency (Crossett and McGehee campuses)

This program provides students with the opportunity to develop knowledge and skills to successfully complete the Assessment and Competency Standards for Caregivers. The Child Development Associate credential is awarded through the Council for Early Childhood Professional Recognition, a national credentialing agency. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements for Crossett campus: 9 hours

ECED	1013	Child Development Associate Training I
ECED	1023	Child Development Associate Training II
ECED	1033	Pre-School Practicum

Major Requirements for McGehee campus: 9 hours

HOEC	1013	Tech Health, Safety, and Nutrition
HOEC	1063	Tech Introduction to Early Childhood Education

One of the following:

HOEC	1113	Tech Curriculum Development for Infants and Toddlers
or		
HOEC	2093	Tech Curriculum Development for Preschool

Other Requirements:

1. Documentation of a minimum of 480 hours of experience in childcare.
2. On-site teaching observations.
3. Proof of successful completion of Infant/Child/Adult CPR and First Aid.
4. Writing competency statements and development of a Professional Resource File.

### Computer Maintenance/Networking Technical Certificate\* (Crossett campus)

The Computer Maintenance/Networking Program prepares individuals for occupations in the information technology (IT) field that involve troubleshooting, repair, and maintenance of personal computers (PCs). Skills are developed by hands-on practice in

electronic circuit testing, computer assembly, computer upgrades and configurations, and computer networks.

Cisco System classes provide opportunities for students to design, build, and maintain computer inter-networks and are incorporated into the Computer Maintenance/Networking Program. Students who are successful in the Computer Maintenance/Networking program will be prepared for industry standard certifications including A-plus, and the Building Industries Consulting Service International, Inc., (BICSI) Installer Level I exam. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 38 semester hours

CMP	1413	Tech Graphic Design for Webmasters
CMP	1404	Tech IT Essential I: PC Hardware and Software
CMP	1504	Tech Fundamentals of Voice and Data Cabling
CMP	1604	Tech IT Essentials II: Network Operating Systems
CMP	1704	Tech Fundamentals of Web Design
CMP	1802	Tech Computer Peripheral Maintenance
CMP	1903	Tech Fundamentals of Electronics
COM	1102	Employability Skills/Ethics

COM	1202	Tech Language Skills or higher-level transferable course
CSC	2103	Tech Cisco I: Networking Basics
CSC	2203	Tech Cisco II: Routers and Routing Basics
MAT	1304	Advanced Industrial Mathematics

\*Computer Maintenance/Networking Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Cisco Network Associate Certificate of Proficiency (Crossett campus)

The Cisco Network Associate program is provided on the Crossett campus is designated as a local Cisco Academy. The Academy provides learning opportunities through Cisco Systems courses that cover the designing, building, and maintenance of computer inter-networks. Students who successfully complete the Cisco courses are prepared to take the certification test to become



a Cisco Certified Network Associate (CCNA™). NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

CSC	2103	Tech Cisco I: Networking Basics
CSC	2203	Tech Cisco II: Routers and Routing Basics
CSC	2303	Tech Cisco III: Switching & Intermediate Routing
CSC	2603	Tech Cisco IV: WAN Technologies

### Early Childhood Education - Technical Certificate\* (McGehee campus)

This program is designed to prepare students for occupations in early care and education, often under the supervision of professional personnel. Instruction includes child growth and development; nutrition; program planning and management; health and safety; behavior guidance; inclusion of children with special needs; adult-child interactions; appropriate assessment; curriculum development; and laws, regulations, and policies relating to early care education; and maintenance of childcare environments.

A criminal background check, child maltreatment check and negative TB screening are required. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 45 hours

ENGL	0133	Fundamentals of English or higher-level language course
CIS	2223	Microcomputer Applications
MATH	0143	Introduction to Algebra or higher-level mathematics course
HOEC	1013*	Tech Health, Safety and Nutrition
HOEC	1023	Tech Child Care Practicum I
HOEC	1113*	Tech Curriculum Development for Infants/Toddlers
HOEC	1063*	Tech Introduction to Early Childhood Education
HOEC	2033	Tech Child Care Practicum II
HOEC	2073	Tech Child Guidance
HOEC	2083	Tech Observation and Assessment in Early Childhood Education
HOEC	2093*	Tech Curriculum Development for Preschool
HOEC	2103	Tech Methods and Materials
HOEC	2143	Tech Child Care Program Planning
HOEC	2153	Tech Child Development
HOEC	2173	Tech Children with Special Needs

#### Other Requirements:

Tech Early Childhood Education majors must complete Cardiopulmonary Resuscitation and First Aid training.

\*CDA (Child Development Associate Training) Core Courses. A student with current CDA may be given credit toward an Early Childhood Education Technical Certificate for three courses depending on credential earned.

\*Early Childhood Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Electromechanical Technology - Industrial Controls Technical Certificate\* (Crossett campus)

The Electromechanical Technology program Industrial Controls option is designed to provide individuals with opportunities to learn basic knowledge and skills needed to become technicians in industrial maintenance with emphasis on mechanical and electrical maintenance. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 60 semester hours

Major Requirements include 42 semester hours from the Industrial Equipment Maintenance Technical Certificate program found elsewhere in this catalog and completion of the following courses:

EIT	1704	Solid State/Analog Circuits
EIT	2103	Industrial Motors/AC Drives
EIT	2405	Programmable Controls
EIT	2613	DC Controls
SAF	1203	Industrial Safety

\*Electromechanical Technology-Industrial Controls students may choose to continue their studies and earn an Associate of Applied Science in Industrial Technology degree or an Associate of Applied Science in General Technology (AASGT) degree. There are two options for completion of the AASGT degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Electromechanical Technology-Instrumentation Technical Certificate\* (Crossett campus)

The Electromechanical Technology Instrumentation program is designed to provide individuals with basic knowledge and skills needed by technicians in industrial maintenance with emphasis on electrical and instrumentation maintenance. NOTE:

Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 64 semester hours

Major Requirements include 38 semester hours from the Electromechanical Maintenance Technical Certificate program found in this catalog on page 122 and completion of the following courses.

EIT	2103	Industrial Motors/AC Drivers
EIT	2306	Instrumentation
EIT	2405	Programmable Controls
EIT	2613	DC Controls
EIT	2804	Basic Digital Technology
IET	1112	Precision Maintenance
MGT	2103	Tech Quality Management

\*Electromechanical Technology-Instrumentation students may choose to continue their studies and earn an Associate of Applied Science in Industrial Technology degree or an Associate of Applied Science in General Technology (AASGT) degree. There are two options for completion of the AASGT degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Electromechanical Maintenance Technical Certificate\* (Crossett campus)

The Electromechanical Maintenance program is designed to prepare individuals for entry-level maintenance jobs requiring fundamental electrical and electronic skills in an industrial setting. While the primary focus of the program is industrial electricity, graduates of the program are also prepared for maintenance jobs in a variety of workplaces such as schools, hospitals, banks, government agencies (federal, state, county, and municipal), construction companies, and independent electrical contracting businesses. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability. Major Requirements: 38 semester hours

One of the following:

COM	1102	Employability Skills/Ethics
COM	1202	Tech Language Skills or higher-level transferable course
EIT	1704	Solid State/Analog Circuits
ELT	1105	Fundamentals of Electricity
ELT	1604	Industrial Circuits and Controls
IET	1105	Fundamentals of Mechanics
IET	1203	Industrial Diagrams
IET	1703	Pneumatics and Hydraulics
MAT	1304	Advanced Industrial Mathematics
SAF	1203	Industrial Safety

One of the following:

CFA	1103	Tech Computer Fundamentals or
CIS	2223	Microcomputer Applications

\*Electromechanical Maintenance students may choose to continue their studies and earn a technical certificate in Electromechanical Technology-Instrumentation and then an Associate of Applied Science in Industrial Technology degree or an Associate of Applied Science in General Technology (AASGT) degree. There are two options for completion of the AASGT degree plan. an Associate of Applied Science in General Technology degree. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Emergency Medical Technician-Basic Certificate of Proficiency (Crossett and McGehee campuses)

EMT-Basic Course is an introductory study of emergency medical pre-hospital care. The course prepares an individual for employment as a Basic EMT. It follows the national standard curriculum set forth by the Department of Transportation. Instruction includes standard of care, legal/ethical issues, and pre-hospital procedures and techniques performed during emergencies. Upon successful completion, the EMT candidate will meet the requirements to challenge the National Registry EMT-Basic examination. EMT-Basic is a prerequisite for the Paramedic Program. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability. Major Requirements: 8 hours

EMT	1138	Emergency Medical Technician-Basic
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### Emergency Medical Technology Intermediate Program - Certificate of Proficiency

#### (McGehee campus)

The EMT-Intermediate program is a continuum of Emergency Medical Pre-hospital Care. It follows the national standard curriculum set forth by the Department of Transportation. Instruction includes standard of care, legal/ethical issues, and pre-hospital procedures and techniques performed during emergencies. Upon successful completion, the EMT-Intermediate candidate will meet the requirements to challenge the National Registry EMT-Intermediate examination. Successful completion of the program prepares an individual for employment as an EMT-Intermediate.

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 14 hours

EMER	1103	Paramedic Human Anatomy and Physiology
EMER	1117	Paramedic I
EMER	1124	Paramedic Clinical I

### Emergency Medical Technology Paramedic Program - Technical Certificate\* (McGehee campus)

The Emergency Medical Technology Paramedic program prepares students to perform advanced emergency medical procedures in the pre-hospital setting. It follows the national standard curriculum set forth by the Department of Transportation. Upon successful completion of the program, the student is granted a technical certificate and is eligible to apply to take the National Registry EMT-Paramedic Examination. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

The following are prerequisites for the Paramedic Program:

1. Participant must be at least eighteen (18) years old.
2. Participant must have a high school diploma or GED.
3. Participant must have successfully completed the UAM College of Technology enrollment requirements.
4. Current Basic Emergency Medical Technician Certification
5. Current CPR Certification card, Healthcare Provider Level
6. Physical Exam (with form completed).
7. Skin test or chest x-ray.
8. VDRL verification.
9. Hepatitis B Series or Signature on UAM College of Technology waiver claim form.

NOTE: Because of the nature of the program, enrollment times may vary and class sizes are limited; completion of prerequisites does not necessarily indicate Emergency Medical Technology program admittance.

Major Requirements: 50 hours

EMER	1103	Paramedic Human Anatomy & Physiology
EMER	1117	Paramedic I
EMER	1124	Paramedic Clinical I
EMER	2217	Paramedic II
EMER	2224	Paramedic Clinical II
EMER	2237	Paramedic III
EMER	2244	Paramedic Internship I
EMER	2317	Paramedic IV

EMER 2323 Advanced Cardiac Life Support  
 EMER 2334 Paramedic Internship II

\*Emergency Medical Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Heavy Equipment Operator - Technical Certificate\* (McGehee campus - classes held in Warren, Arkansas)

The Heavy Equipment Operator program is designed to train students to operate heavy equipment, to become proficient in safety procedures and to provide short-term re-training to existing heavy equipment operators.

Class work and hands-on experiences required for the Heavy Equipment Operator technical certificate provide the student with the opportunity to develop knowledge and skills to successfully complete the Assessment and Competency Standards for the National Center of Construction Education and Research certification.

There are two options for completion of the Heavy Equipment Operator technical certificate: Construction Option and Timber Production Option.

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Course Requirements for both options: 19 hours

ENGL 0133 Fundamentals of English or higher-level language course  
 HEO 1708 Heavy Equipment I  
 HEO 1715 Heavy Equipment II  
 MATH 0143 Introduction to Algebra or higher-level mathematics course

Construction Option Requirements: 23 hours

HEO 172V Construction Equipment I  
 HEO 173V Construction Equipment II

Timber Production Requirements: 23 hours

HEO 174V Timber Equipment I  
 HEO 175V Timber Equipment II

\*Heavy Equipment Operator Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Hospitality Services - Certificate of Proficiency (Crossett and McGehee campuses)

The Hospitality Services Program provides students with the basic knowledge needed for entry-level employment in foodservice and lodging businesses. Upon successful completion of the HOSP 1xx3 Safety and Sanitation course, students will be prepared to earn ServSafe™ national certification. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 12 hours

HOSP 1013 Hospitality, Travel, and Tourism  
 HOSP 1023 Safety and Sanitation  
 HOSP 1033 Hospitality Customer Service Relations  
 HOSP 1043 Introduction to Hospitality Operations

### Hospitality Services - Technical Certificate\* (Crossett and McGehee campuses)

The Hospitality Services Program Technical Certificate is in the approval process for all coordinating and supporting agencies. Please contact the Colleges of Technology at Crossett and McGehee for the availability of this program. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 35 Hours

HOSP 1013 Hospitality, Travel, and Tourism  
 HOSP 1023 Safety and Sanitation  
 HOSP 1033 Hospitality Customer Service Relations  
 HOSP 1043 Introduction to Hospitality Operations  
 HOSP 1054 Basic Food Preparation  
 HOSP 1064 Principles of Lodging Operations  
 HOSP 1073 Supervision Concepts for Hospitality Services  
 HOSP 1083 Internship in Hospitality Services  
 BUSI 2103 Business Mathematics or



BUS	1103	Tech Business Mathematics or higher level mathematics course
BUS	2003	Business English or higher-level language course
CIS	2223	Microcomputer Applications

### Industrial Equipment Maintenance Technical Certificate\* (Crossett campus)

The Industrial Equipment Maintenance (IEM) program is designed to provide opportunities for students to learn multi-craft skills needed for entry-level maintenance jobs including millwrights and general industrial mechanics. The primary focus of the program is on industrial mechanics and electricity; however, graduates of the program are also prepared for maintenance jobs in a variety of workplaces. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 42 semester hours

COM	1102	Employability Skills/Ethics
COM	1202	Tech Language Skills or higher-level transferable course
ELT	1105	Fundamentals of Electricity
ELT	1604	Industrial Circuits and Controls
IET	1105	Fundamentals of Mechanics
IET	1203	Industrial Diagrams
IET	1504	Industrial Mechanics
IET	1703	Pneumatics and Hydraulics
IET	1803	Basic Machine Shop
IET	1112	Precision Maintenance
MAT	1304	Advanced Industrial Mathematics
WLD	1102	Introduction to Welding

One of the following:

CFA	1103	Tech Computer Fundamentals
CIS	2223	Microcomputer Applications

\*Industrial Equipment Maintenance Technology students may choose to continue their studies and earn a technical certificate in Electromechanical Technology-Industrial Controls and then an Associate of Applied Science in Industrial Technology degree or an Associate of Applied Science in General Technology degree. There are two options for completion of the AASGT degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Nursing Assistant - Certificate of Proficiency (Crossett and McGehee campuses)

The Nursing Assistant (NA) program focuses on providing knowledge and skills specific to nursing assistant duties. Students will be provided classroom, applied lab, and clinical training in long-term health care facilities. Students who successfully complete the NA Program are eligible to take the skills and written examination that leads to Arkansas State Certification. Those students who successfully become certified are placed on the State Registry as a Certified Nurse Assistant (CNA).

NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 7 hours

NA	1017	Nursing Assistant
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### Practical Nursing - Technical Certificate\* (Crossett and McGehee campuses)

The Practical Nursing (PN) program is approved by the Arkansas State Board of Nursing with regular evaluations to ensure a quality education in the nursing field. The program is designed to prepare qualified individuals to meet community nursing needs to perform those functions which are generally recognized as being within the scope of practical nursing and where the skill of registered nursing is not required.

To be considered for the Practical Nursing Program, applicants must take the ACT, ASSET, COMPASS, or SAT exam. Applicants will be ranked for program acceptance based upon academic and other specific criteria outlined in a separate publication. The top applicants, not to exceed Arkansas State Board maximums for instructor-student ratio, will be accepted into the Practical Nursing Program provided all of the following conditions are also met:

1. Applicant must be a high school graduate or high school equivalency (GED) graduate.
2. Applicant must be 18 years of age before October 1 of the enrollment year.
3. Applicant must complete UAM enrollment requirements.
4. Applicant must complete all orientation, interview, assessment, and study sessions required.
5. Applicant must declare their chosen PN track in writing and meet all prerequisite courses required.

NOTE: If candidates do not meet stated conditions, other candidates will be enrolled if all enrollment conditions are met. Alternates accepted will not exceed enrollment maximum. Students have an option of completing a technical track or an Associate of Applied Science in Nursing (AASN) degree track through the Practical Nursing Program. Successful completion of the graduation requirements under either the technical track or the AASN track will result in a one-year technical certificate and academic eligibility to sit for the NCLEX-PN Exam. Individuals in the technical track should be aware that if they subsequently pursue the UAM AASN, the UAM Bachelor of Science in Nursing (BSN) Degree, or a Registered Nurse (RN) program at another college or university, they will be required to complete all prerequisites required for those individual programs. Information regarding the UAM AASN (Fast Track LPN-RN Transition Program) and the UAM Bachelor of Science in Nursing (BSN) degree programs can be found in the Division of Nursing section elsewhere in this catalog. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Prerequisites for students seeking AASN Degree or PN Technical Certificate

BIOL	2233	Anatomy and Physiology I
BIOL	2243	Anatomy and Physiology II
BIOL	2291	Anatomy and Physiology I Lab
BIOL	2301	Anatomy and Physiology II Lab
PE	2113	Nutrition

Prerequisites for students seeking only a PN Technical Certificate:

NUR	1514	PN Anatomy and Physiology
PE	2213	Nutrition

Major Requirements for students seeking an AASN Degree and students seeking a PN Technical Certificate: 42 hours

NUR	1002	PN Pharmacology
NUR	1101	PN Vocational/Legal/and Ethics
NUR	1117	PN Basic Nursing Principles and Skills
NUR	1162	PN Nursing of Geriatrics/Management
NUR	1203	PN IV Therapy
NUR	1231	PN Nursing of Mothers and Infants
NUR	1242	PN Nursing of Children
NUR	1317	PN Adult Medical-Surgical Nursing I
NUR	2151	PN Mental Health and Illness
NUR	2264	PN Clinical I
NUR	2326	PN Clinical II
NUR	2414	PN Clinical III
NUR	2422	PN Adult Medical-Surgical Nursing II

\*Practical Nursing Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.

### Welding Technology -Certificate of Proficiency (Crossett and McGehee campuses)

The welding Certificate of Proficiency is available for those students who only complete one semester of welding courses prior to exiting for employment. Students will have the opportunity to earn American Welding Society certification in accordance with the skill levels developed in the Basic and Arc Welding courses. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 11 hours

WELD	1115	Basic Welding
WELD	1215	SMAW (Shielded Metal Arc Welding)
WELD	1401	Welding Lab I

### Welding Technology - Technical Certificate\* (Crossett and McGehee campuses)

The Welding Technology program will provide students with opportunities to develop skills in gas welding, arc welding, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, and pipe welding. Students may earn various American Welding Society certifications in accordance with their developed skill level. NOTE: Technical courses required for this program may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

Major Requirements: 37 hours

WELD	1103	Blueprint Reading
WELD	1115	Basic Welding
WELD	1215	SMAW (Shielded Metal Arc Welding)
WELD	1315	GTAW (Gas Tungsten Arc Welding)
WELD	1401	Welding Lab I
WELD	1415	GMAW (Gas Metal Arc Welding)
WELD	1501	Welding Lab II
WELD	1513	Pipe Welding
ENGL	0133	Fundamentals of English or higher-level language course or approved technical language skills course
MATH	0143	Introduction to Algebra or higher-level mathematics

course or advanced industrial math course

CIS	2223	Microcomputer Applications or approved technical computer course
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\*Welding Technology students may choose to continue their studies and earn an Associate of Applied Science in General Technology degree. There are two options for completion of this degree plan. Details of requirements for the Associate of Applied Science in General Technology degree are found in the Division of General Studies section of this catalog.



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## Undergraduate Course Descriptions





The Course Listings section of the catalog provides descriptions of all courses approved by the faculty. Any of these courses may be scheduled during the University's academic terms.

The listings follow a uniform pattern. The listing for CHEM 3404 can serve to explain the course listings of this section.

#### CHEM 3404 Organic Chemistry I

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: CHEM 1113, CHEM 1131

A study of carbon compounds, including an introduction to organic nomenclature, reactions, reaction mechanisms, and structural and stereochemical problems.

The first line of the listings entry consists of:

**PREFIX:** In this case CHEM, prefixes always consist of upper case letters, prefixes used by particular divisions of the University are listed below;

**NUMBER:** In this case, 3404 numbers consist of four digits (or the letter V); the first number indicates the level of the course (1 for freshman level, 2 for sophomore level, 3 for junior level, 4 for senior level, 5 for graduate level), the last digit indicates the number of credits earned in the course (V means that credit may vary or that credits in the course exceed 9);

**TITLE:** The course's first title which may be abbreviated in some course listings and schedules.

The second line of the listing states the number of credits a student may earn in the course and indicates the number of weekly hours the course requires in classroom lecture or laboratories.

The third line lists course prerequisites (courses which must be passed before registering for the course) and corequisites

(courses which the student must either have passed previously or be enrolled in concurrently).

The course description follows the items identified above.

### Prefixes Used By University Academic Units

Agriculture prefixes include AGECE, AGEN, AGRI, AGRO, ANSC, ENTO, HORT

Arts and Humanities prefixes include ART, ENGL, FREN, JOUR, MODL, MUS, PHIL, PMUS, SPAN, SPCH

Business prefixes include ACCT, ECON, FIN, G B, MGMT, MKT

Computer Information Systems courses prefix: CIS

Education prefixes include ECED, EDUC, EXSC, MLED, PE

Forest Resources prefixes include: FOR, SIS, WLF

Mathematical and Natural Sciences prefixes include: ASTR, BIOL, C S, CHEM, ENGR, ENTO, ESCI, MAED, MATH, PHSC, PHYS, SCED

Military Science prefixes include: MLSC

Nursing, leading to a baccalaureate degree prefix: NURS

Professional Development courses prefix: PD

Social and Behavioral Sciences prefixes include: ANTH, CJ, GEOG, HIST, PSCI, PSY, SOC, SOSOC, SWK

Colleges of Technology prefixes include: ACCO, AGTC, AUTO, BUS, CFA, CHM, CMP, COM, CSC, EIT, ELT, EMER, HEO, HOEC, HOSP, IET, IPP, IPT, MAT, MGT, MTH, NA, NUR, PPS, SAF, SER, WELD, WLD

A prefix of U ST may designate a course taught by a faculty in any subdivision of the University which is done experimentally or for a short period of time.

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**(Accounting)**

**ACCO 1313 Tech Accounting I**

3 credits: 3 hours lecture

Fundamentals of accounting with emphasis on the accounting equation. Includes sole proprietorship, partnership, corporation, financial statements, T-accounts, double entry accounting, payroll accounting, and inventory control systems. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**ACCO 2323 Tech Accounting II**

**ACCO Courses**

3 credits: 3 hours lecture

Prerequisite: ACCO 1313

Analysis of financial statements and accounting reporting, also stocks and bonds accounting for corporations, accounts receivable/payable and introduction to special journals. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**ACCO 2333 Tech Computerized Accounting**

3 credits: 3 hours lecture

Prerequisite: ACCO 2323

Sole proprietorship through corporate accounting systems covering all aspects of accounting. Double entry accounting is used. Production of financial statements is stressed. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## ACCT Courses (Accounting)

ACCT 2213 Principles of Accounting I

3 credits: 3 hours lecture

Fundamental accounting issues and concepts, interpretation and classification of accounts, and composition and analysis of financial statements. Offered: Fall, Spring, Summer

ACCT 2223 Principles of Accounting II

3 credits: 3 hours lecture

Prerequisite: ACCT 2213

Accounting information as it relates to the needs of business managers, product costing, standard costs, budgeting and variance analysis, and decision making. Offered: Fall, Spring, Summer

ACCT 3403 Intermediate Accounting I

3 credits: 3 hours lecture

Prerequisite: ACCT 2213

Comprehensive overview of the conceptual framework of the American public company reporting standards. Coverage includes financial reporting; review of the accounting cycle; extensive discussion of the elements of the balance sheet; income statement and the statement of cash flows. Also covered are the revenue/receivable/cash cycle and the complexities of revenue recognition. Offered: Spring

ACCT 3413 Intermediate Accounting II

3 credits: 3 hours lecture

Prerequisite: ACCT 2213

Intensive coverage of current accounting practice and reporting requirements related to identification and valuation of cost of goods sold; inventory identification and inventory estimation and valuation. Other topics covered include accounting problems associated with debt financing; equity financing; investments in non-current operating assets; and investments in debt and equity securities. Offered: Fall

ACCT 3433 Cost Accounting I

3 credits: 3 hours lecture

Prerequisite: ACCT 2223

Accounting for materials, labor, overhead; cost records, summaries, statements; job order cost systems; process cost techniques; introduction to standard costs, estimated costs, distribution costs. Offered: Fall

ACCT 3523 Intermediate Accounting III

3 credits: 3 hours lecture

Prerequisite: ACCT 2213

Intensive coverage of current accounting practice and reporting requirements related to leases; income taxes; employee compensation issues; derivatives, contingencies, business segments and interim reports; earnings per share; and accounting changes and error corrections. Offered: Spring

ACCT 4323 Accounting Information Systems

3 credits: 3 hours lecture

Prerequisites: ACCT 3413 and ACCT 3433

Co-requisite: ACCT 4773 or permission of instructor.

Provides system criteria as it relates to the accounting field. Includes participation in practical system evaluation with primary emphasis placed on systems controls and transaction processing in the revenue and purchase cycles. Additional work will focus on design of a database to use in processing transactions. Offered: Spring

ACCT 4333 Fraud Examination

3 credits: 3 hours lecture

An overview of the fraud problem including a discussion of fraud detection and prevention methods includes a discussion of the options victims of fraud have when deciding how to follow-up on frauds they experience. Offered: Spring.

ACCT 4633 Governmental Accounting

3 credits: 3 hours lecture

Prerequisite: ACCT 3403 or ACT 3413 or ACCT 3523

Fund accounting for governmental and not-for-profit entities. Financial and budgetary control, the budgetary process in governments, special accounting and reporting problems of the public and no-for-profit sector. Offered: Fall.

ACCT 4643 International Accounting

3 credits: 3 hours lecture

Prerequisites: ACCT 2213 and ACCT 2223

Introduction to accounting regulations and practices outside of the U.S., comparison of accounting standards in different countries and the driving forces behind them; international accounting standards and international management control issues. Review of cultural frameworks, transfer pricing methods, and international accounting standards. Offered: Summer

ACCT 4653 CPA Law Review

3 credits: 3 hours lecture

Prerequisite: G B 3533

Study of legal principles relating to accounting and review of business law in preparation for the CPA exam. Includes such areas as contracts, commercial paper, debtor-creditor relationships, and the Uniform Commercial Code. Offered: Summer

ACCT 4673 Cost Accounting II

3 credits: 3 hours lecture

Prerequisite: ACCT 3433

A continuation of the study of cost accounting with emphasis on standard costs, analysis of cost for profit decision-making purposes; comprehensive profit planning and control, cost/volume/profit analysis, capital budgeting; responsibility reporting, performance measurement and transfer pricing in a decentralized organization. Offered: Spring

ACCT 4683 Federal Tax Accounting I

3 credits: 3 hours lecture

Prerequisite: ACCT 2213

Coverage of income tax concepts, principles, and practice. Instruction in tax planning, determination, research, and federal tax rules and regulations for individuals. Offered: Fall.

ACCT 4693 Federal Tax Accounting II

3 credits: 3 hours lecture

Prerequisite: ACCT 4683

Coverage of income tax concepts, principles, and practice. Instruction in tax planning, determination, research, and federal tax rules and regulations for businesses and fiduciaries. Offered: Spring.

**ACCT 4723 Advanced Accounting I**

3 credits: 3 hours lecture

Prerequisite: ACCT 3413

Comprehensive study of business combinations including mergers, acquisitions, and consolidations. Special emphasis is placed on preparation of consolidated financial statements for complex acquisitions resulting in parent-subsidiary combinations and application of the full equity method of accounting for investments in subsidiaries. Offered: Spring.

**ACCT 4733 Advanced Accounting II**

3 credits: 3 hours lecture

Prerequisite: ACCT 4723

Comprehensive study of partnerships, foreign currency transactions and financial statement translation, segment and interim reporting and restates and trusts. Offered: Spring.

**ACCT 4773 Auditing**

3 credits: 3 hours lecture

Prerequisites: ACCT 3403, 3413 and 3523

Basic functions/objectives of auditing, audit principles and procedures application; internal control preparation of working papers; report writing; types of audits. Offered: Fall.

**ACCT 479V Independent Study in Accounting**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **AGEC Courses (Agriculture Economics)**

**AGEC 2273 Agricultural Economics**

3 credits: 3 hours lecture

Application of economic principles to agriculture and their effect on the incomes and living standards of farm people; present-day farm economics in the United States.

**AGEC 4613 Agricultural Policy**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

A study of the effect of government agricultural policies on farm income, crop acreage, food supply, food prices, agricultural exports, trade barriers, world hunger, and economic development.

**AGEC 4623 Farm Management**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

Decision-making in the organization and operation of the farm business involving the use of basic principles of farm management.

**AGEC 4683 Commodity Marketing**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

Economic aspects of the marketing of specific commodities. Factors affecting supply, demand, prices, trends, marketing methods, and distribution channels will be examined.

**AGEC 4703 Contract Marketing and Futures Trading**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

Theory and practice of trading in commodity futures: hedging, 2) speculator strategies, 3) mechanics of the future market.

**AGEC 4713 Agricultural Finance**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

Methods and procedures of acquiring and utilizing funds. Emphasis is placed upon financial planning and financial firms serving agriculture.

**AGEC 479V Independent Study in Agricultural Economics**

Variable credit

Consult the Independent Study Courses subheading the Academic Regulations section of this catalog for prerequisites and description.

**AGEC 4803 Agribusiness Firm Management**

3 credits: 3 hours lecture

Prerequisites: AGEC 2273 or ECON 2213

Application of economic decision-making processes as they relate to the management of agricultural businesses.

**AGEC 4813 Agricultural Price Analysis**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

An application of economic theory to solve problems relating to agricultural price analysis. Techniques for predicting price behavior and the relationships between the general economy and prices of agricultural commodities will be analyzed.

**AGEC 4823 Economics of Environmental Management**

3 credits: 3 hours lecture

Prerequisite: AGEC 2273 or ECON 2213

An economic approach to problems of evaluating the private and social benefits and costs of altering the environment. Emphasis will be placed on the problems associated with determining and maintaining acceptable levels of environmental quality. These problems will deal with the interactions between individuals, institutions, technology and the environment.

## **AGEN Courses (Agricultural Engineering)**

**AGEN 2263 Soil and Water Conservation**

3 credits: 2 hours lecture, 2 hours laboratory

Prerequisite: Sophomore standing

Soil and water conservation practices on agricultural lands involving surveying, leveling, terracing, drainage, irrigation, water supply, excavating, mapping, and farm pond measurements.

**AGEN 479V Independent Study in Agricultural Engineering**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regula-

tions section of this catalog for prerequisites and description.

## AGRI Courses (General Agriculture)

### AGRI 1101 Agriculture Orientation

1 credit: 1 hour lecture

NOTE: Required of all freshmen majoring in Agriculture and all transfer students with less than 30 hours. An overview of agriculture with emphasis on its social, economic, and environmental importance.

### AGRI 472V Special Topics

Variable credit

Prerequisite: Junior standing and 3.00 GPA or better in major area of interest. Selected topics not covered in other courses or a more intensive study of specific topics in agriculture. Topics vary. Type of instruction depends on subject. Field trips may be required.

### AGRI 4771 Seminar

1 credit: 1 hour lecture

Prerequisite: Senior standing.

NOTE: Maximum of 2 credit hours.

Papers and assigned topics dealing with current issues. Participation includes oral presentation and written reports.

### AGRI 4783 Internship

3 credits: 3 hours lecture

Prerequisite: Junior standing; approval of project proposal prior to enrollment; and 2.50 GPA or consent of instructor.

Supervised work in agriculture to develop professional competence. Written and oral reports are required at the completion of the project.

NOTE: A non-repeatable course.

### AGRI 479V Independent Study in Agriculture

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## AGRO Courses (Agronomy)

### AGRO 1033 Principles of Field Crops

3 credits: 2 hours lecture, 2 hours laboratory

Field crops, types of varieties relating to the management and environment and to their value as cash, grain, feed, and cover, or green manure crops.

### AGRO 2053 Applied Plant Pathology

3 credits: 2 hours lecture, 2 hours laboratory

Prerequisites: AGRO 1033 and 4 hours of Biology from the following: BIOL 1143 and BIOL 1171; or BIOL 1153 and BIOL 1161; or BIOL 1063 and BIOL 1071

NOTE: Extended field trips in addition to regular lab hours may be required. Basic principles of plant pathology will be introduced. Lecture hours will deal with agronomic and horticulture crops common to Arkansas.

### AGRO 2244 Soils

4 credits: 3 hours lecture, 2 hours laboratory

Prerequisites: CHEM 1113 and CHEM 1131

NOTE: Extended field trips required in addition to regular lab hours. The study of soil as a natural body from the standpoint of how to produce

agronomic and horticulture plants.

### AGRO 2251 Soil Judging, Sophomore Level

1 credit: 2 hours laboratory

Emphasis on soil morphology. Possible participation in intercollegiate judging competition. Field trips required.

### AGRO 3421 Soil Judging, Junior Level

1 credit: 2 hours laboratory

Prerequisite: AGRO 2251

Emphasis on soil classification. Possible participation in intercollegiate judging competition. Field trips required.

### AGRO 3453 Forage Crops

3 credits: 3 hours lecture

Prerequisite: AGRO 1033

NOTE: Extended field trips required in addition to regular lecture.

Forage crops for pastures, hay, soiling, and silage, with reference to adaptation, production, utilization, and improvement.

### AGRO 3503 Cereal Crops

3 credits: 3 hours lecture

Prerequisite: AGRO 1033

NOTE: Extended field trips required in addition to lecture.

Soil and climatic adaptation, utilization, production, cultural practices, and improvement.

### AGRO 3513 Fiber and Oilseed Crops

3 credits: 3 hours lecture

Prerequisite: AGRO 1033

NOTE: Extended field trips required in addition to lecture.

Biological principles generally involved in field crop production with emphasis given to specific agronomic implications as related to products of cotton and soybeans.

### AGRO 3533 Introduction to Weed Science

3 credits: 2 hours lecture, 2 hours laboratory

Prerequisite: AGRO 1033 or BIOL 1143; CHEM 1113 and CHEM 1131

Fundamental concepts of weed biology, ecology and identification; overview of the chemistry and modes of action of major herbicide groups; contemporary concepts and technology for weed control in major agronomic crops.

### AGRO 4733 Principles of Weed Control

3 credits: 2 hours lecture, 2 hours laboratory

Prerequisite: CHEM 1113 and CHEM 1131

Mechanical, biological, and chemical control measures employed in weed science. Herbicide usage relative to selectivity and control measures in specific crops are stressed.

### AGRO 4743 Soil Fertility

3 credits: 3 hours lecture

Prerequisite: AGRO 2244

NOTE: Extended field trips required in addition to regular lecture.

Soil fertility principles, soil amendments, and cultural practices for maintaining and increasing soil productivity.

### AGRO 4753 Crop Physiology

3 credits: 3 hours lecture

Prerequisites: BIOL 1143 and BIOL 1171

Effects of various physiological and environmental factors on crop production and the effects of post-harvest treatments on crop quality.

**AGRO 4761 Soil Judging, Senior Level**

1 credit: 2 hours laboratory

Prerequisites: AGRO 2244

Emphasis on pedology and geomorphology. Possible participation in intercollegiate judging competition. Field trips required.

**AGRO 479V Independent Study in Agronomy**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **AGTC Courses (Agriculture Technology)**

**AGTC 1103 Tech Farm Machinery**

3 credits: 3 hours lecture

Theory of operation and maintenance of farm machinery including servicing, repairing and adjustment. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1113 Tech Agricultural Welding and Wiring**

3 credits: 3 hours lecture

Basics of agricultural welding and knowledge of wiring and electrical applications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1123 Tech Apprenticeship I**

3 credits: 3 hours lecture

Practical application of prior knowledge and skills. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1223 Tech Crop Pest Management**

3 credits: 3 hours lecture

Identification of major weeds and insects in farm crops. Knowledge of herbicides and insecticides including equipment and safe handling. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1233 Tech Farm Power**

3 credits: 3 hours lecture

Power requirements of growing crops including fundamentals of engines, electrical systems, hydraulics and fuel systems. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1243 Tech Apprenticeship II**

3 credits: 3 hours lecture

Practical application of prior knowledge and skills. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1253 Tech Apprenticeship III**

3 credits: 3 hours lecture

Practical application of prior knowledge and skills. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1273 Tech Apprenticeship IV**

3 credits: 3 hours lecture

Practical application of prior knowledge and skills. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1363 Tech Farm Management**

3 credits: 3 hours lecture

Farm planning, time management and economic factors of growing crops. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1373 Tech Grain and Cotton Processing**

3 credits: 3 hours lecture

Ginning of cotton; methods of grain grading, drying, handling, and storing. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1383 Tech Soil Fertilization**

3 credits: 3 hours lecture

Basic principles of soil-plant relationships, increasing fertility and crop yields with fertilizer. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1413 Tech Agriculture Finance**

3 credits: 3 hours lecture

Emphasis given to budgets, financial statements, credit, cash flow, inventory, depreciation and taxes. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1423 Tech Business Law**

3 credits: 3 hours lecture

Contracts, land leases and purchases, legal descriptions, mortgages, labor and pollution. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**AGTC 1493 Tech Computer Records**

3 credits: 3 hours lecture

Computerized farm record systems for accounting, spreadsheets, decisions, reports and communications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## **ANSC Courses (Animal Science)**

**ANSC 1003 Principles of Animal Science**

3 credits: 2 hours lecture, 2 hours laboratory

Basic discussion of livestock. Topics covered include livestock products, reproduction, breeding and genetics, nutrition and health together with discussions

of the specific farm species.

**ANSC 2213 Feeds and Feeding**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Basic animal nutrition, composition and value of feedstuffs and the application of this information in ration formulation.

**ANSC 2223 Anatomy and Physiology of Domestic Animals**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Anatomy and physiology of domestic animals, including structure and function of body systems.

**ANSC 3314 Aquaculture**

4 credits: 3 hours lecture, 2 hours laboratory

Prerequisites: ANSC 1003, BIOL 1153, BIOL 1161

A study of the scientific principles of commercial aquaculture with emphasis on production systems.

**ANSC 3413 Livestock Breeding and Genetics**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Fundamentals of livestock improvement with special emphasis on heredity and selection.

**ANSC 3463 Poultry Production**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

All aspects of commercial poultry production, including genetics, nutrition, and physiology of both poultry meat and eggs. Extended field trips may be held in addition to regular lecture.

**ANSC 3474 Beef Production**

4 credits: 3 hours lecture, 2 hours laboratory

Prerequisite: ANSC 1003

Systems of commercial and purebred beef production including genetics, reproduction, health and nutrition of beef cattle. Extended field trips may be held in addition to regular lecture.

**ANSC 3493 Swine Production**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Systems of commercial and purebred swine production including genetics, reproduction, health and nutrition. Extended field trips may be held in addition to regular lecture.

**ANSC 3523 Horse Production**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Systems of horse production, including genetics, reproduction, training, health and nutrition.

**ANSC 4633 Animal Metabolism and Nutrition**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Corequisite: CHEM 2203

Basic biochemistry of nutrients, metabolism, and their application in livestock production.

**ANSC 4643 Diseases of Domestic Animals**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

Common disease identification, prevention, and cure, including the natural body defense functions. Class periods may include laboratory experience.

**ANSC 4653 Reproduction of Farm Animals**

3 credits: 3 hours lecture

Prerequisite: ANSC 1003

The reproductive process, which includes reproductive endocrinology, anatomy and physiology of the male and female, and specific characteristics of fertility and infertility.

**ANSC 479V Independent Study in Animal Science**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **ANTH Courses (Anthropology)**

**ANTH 2203 Cultural Anthropology**

3 credits: 3 hours lecture

Culture and its influence on human behavior through a comparative study of a selected sample of world cultures.

**ANTH 2213 North American Indians**

3 credits: 3 hours lecture

A survey of the various Indian tribes of North America and the interaction of European and Indian cultures. May be taken for credit in either Anthropology or Sociology.

**ANTH 2223 World Prehistory**

3 credits: 3 hours lecture

Biological and cultural evolution of humankind; cultural ecology; surveys of hunter-gatherers, domestications of plants and animals, rise of complex agricultural societies and early civilizations in the old and new worlds. May be taken for credit in either Anthropology or Sociology.

**ANTH 2233 Arkansas Regional Archeology**

3 credits: 3 hours lecture

Introduction to prehistoric and historic archeology of southeast Arkansas and adjacent regions. Field and/or laboratory component required.

**ANTH 479V Independent Study in Anthropology**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **ART Courses (Art)**

**ART 1013 Drawing I**

3 credits: 6 hours lecture and studio

Study of proportion, perspective, light and shade, basic elements of pictorial

composition.

**ART 1023 Design and Color**

3 credits: 6 hours lecture and studio

A basic study of the use of line, shape, texture, value, and color and their relationships in composition.

**ART 1053 Art Appreciation**

3 credits: 3 hours lecture

A basic introductory course in man=s cultural heritage through the visual arts.

**ART 1063 3-D Design**

3 credits: 6 hours lecture and studio

Introduction to the processes and media of 3-dimensional design to include both additive and subtractive processes.

**ART 1103 Art for Elementary Teachers**

3 credits: 3 hours lecture

Art and handicrafts for children of various age levels with instruction and practice in executing appropriate projects on each level.

**ART 2203 Watercolor**

3 credits: 6 hours lecture and studio

Basic techniques in handling transparent watercolor with work in still life and landscape.

**ART 2223 Ceramics I**

3 credits: 6 hours lecture and studio

Introduction to design and production of pottery. Hand building, decorating, and glazing.

**ART 2243 Painting I**

3 credits: 6 hours lecture and studio

Alla prima (direct) oil painting.

**ART 2263 Ceramics II**

3 credits: 6 hours lecture and studio

Prerequisite: ART 2223

A continuation of ART 2223 with emphasis on the potter=s wheel.

**ART 2273 Metals**

3 credits: 6 hours lecture and studio

Techniques in silversmithing and art metalsmithing. Design and construction of projects to build basic small metalsmithing skills.

**ART 2283 Drawing II**

3 credits: 6 hours lecture and studio

Prerequisite: ART 1013

A continuation of Drawing I with emphasis in more diverse mediums, with studio practice in drawing a live model.

**ART 2293 Printmaking**

3 credits: 6 hours lecture and studio

Introduction to the four processes in Printmaking: planographic, intaglio, relief, and stencil.

**ART 3303 Elementary Art Methods**

3 credits: 3 hours lecture

A course designed for prospective teachers of art in the schools. Lecture, discussion, and appropriate projects concerning art theory, curriculum content, and strategies for the teaching of art to elementary children.

**ART 3313 Advanced Drawing**

3 credits: 6 hours lecture and studio

Prerequisite: ART 2283

Continuation of ART 2283 (Drawing II) with emphasis on theory and content.

**ART 3323 Painting II**

3 credits: 6 hours lecture and studio

Prerequisites: ART 1013, ART 1023, and ART 2243

Continuation of ART 2243 (Painting I). Conceptual and compositional construction of painting will be explored in relation to the concepts and theory of Modernism.

**ART 3333 Painting III**

3 credits: 6 hours lecture and studio

Prerequisite: ART 3323

Continuation of ART 3323 (Painting II). Experimentation with various techniques.

**ART 3343 Advanced Printmaking**

3 credits: 6 hours lecture and studio

Prerequisite: ART 2293

Refinement and control of Printmaking processes with emphasis on individual expression.

**ART 3403 Art History Survey I: Prehistoric to Renaissance**

3 credits: 3 hours lecture

Prerequisite: ENGL 1023 or ENGL 1043

Examination of painting, sculpture, architecture, and media from prehistoric to Renaissance periods.

**ART 3413 Art History Survey II: Renaissance to Present**

3 credits: 3 hours lecture

Prerequisite: ENGL 1023 or ENGL 1043

Examination of painting, sculpture, architecture, and media from Renaissance to the present day.

**ART 3423 Advanced Watercolor**

3 credits: 6 hours lecture and studio

Prerequisite: ART 2203

Continuation of ART 2203 with emphasis on expression.

**ART 3713 Ceramics III**

3 credits: 6 hours lecture and studio

Prerequisite: ART 2263

Continuation of ART 2263 (Ceramics II). Additional potter=s wheel techniques. Study of glazes and glaze formulation.

**ART 4643 Painting III**

3 credits: 6 hours lecture and studio

Prerequisites: ART 1013, ART 1023, ART 3443, and ART 4613

Continuation of ART 4613. Experimentation with various techniques.

**ART 4693 Senior Thesis**

3 credits: 6 hours laboratory



Prerequisite: Advanced standing and permission of Dean and instructor.  
Preparation leading up to and including a Senior Art Exhibition. Course addresses finishing, publicity, and marketing strategies.

#### **ART 4723 Ceramics IV**

3 credits: 6 hours lecture and studio

Prerequisite: ART 3713

A continuation of Ceramics III. Emphasis on developing a personal style, noting historical references. Formulation of glazes for personal use will be explored. An artist's statement must accompany the final project.

#### **ART 4733 Special Topics in Art History**

3 credits: 3 hours lecture

Prerequisite: ENGL 2283 or ENGL 2293

Selected topics not covered in other courses or a more intensive study of specific topics in art history. Topics may include but are not limited to intensive study Craft, Feminine, Fine Art, and Mixed Media Time Based Arts.

#### **ART 4743 Painting IV**

3 credits: 6 hours lecture and studio

Prerequisite: ART 3333

Concerned with the discovery of personal artistic voice using the materials of painting. Conceptual and composition construction of painting will be explored in relation to personal thesis exploration.

#### **ART 479V Independent Study in Art**

Variable Credit

Consult the Independent Study Courses subheading in the Academic regulations section of this catalog for prerequisites and description.

#### **ART 4903 Seminar in Teaching Art**

3 credits: 3 hours lecture

Prerequisite: Advanced standing and permission of Dean and instructor.  
Evaluation and critique of micro classroom teaching, history of academic discipline, philosophical development, test design and evaluation, and materials for on-site teaching.

### **ASTR Courses (Astronomy)**

#### **ASTR 1033 Elements of Astronomy**

3 credits: 3 hours lecture

A study of astronomy from the past to the present including examinations of the solar system, properties of stars, and characteristics of galaxies.

#### **ASTR 1041 Elements of Astronomy Laboratory**

1 credit: 2 hours laboratory

A laboratory course to supplement Astronomy 1033.

#### **ASTR 3503 Advanced Astronomy**

3 credits: 3 hours lecture

Prerequisite: ASTR 1033

Analysis, makeup, and operation of planetary systems; star formation and types; classes and variations of galaxies; operation of the universe.

#### **ASTR 4652 Special Topics**

2 credits: 2 hours lecture

Selected topics from the areas of astronomy designed to be of particular interest and use to in-service teachers. May be taken by regular students only with permission of the Vice Chancellor for Academic Affairs. May be repeated for a total of six hours credit.

### **AUTO (Automotive Service Technology)**

#### **AUTO 1134 Suspension and Steering**

4 credits: 2 hours lecture, 2 hours shop

Theory and operation of modern suspension and steering systems. Up-to-date alignment equipment and techniques are utilized in lab experiences. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **AUTO 1214 Engine Repair**

4 credits: 3 hours lecture, 1 hour shop

Introduction to automotive engine construction and theory of operation for all engine systems and components including disassembly, inspection, repair, and reassembly procedures. The use of hand tools, equipment, and repair manuals are covered. Actual vehicles are utilized for training experience. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **AUTO 1227 Electrical/Electronic Systems**

7 credits: 3 hours lecture, 4 hours shop

Introduction to the principles of Ohms Law, basic electrical circuits, wiring diagrams, use of precision testing equipment, and analysis of opens, shorts, and grounds. Students are familiarized with the principles of the cranking, charging, lighting, and electrical accessories systems. Components and functions of electronic control systems, principles of electricity, component operation, circuit design, and testing procedures are taught. Lab projects include testing, diagnosis, and repair of actual vehicles. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **AUTO 1237 Engine Performance**

7 credits: 3 hours lecture, 4 hours shop

Theory and operation of the ignition system including service, fuel system, and carburetors. Basic troubleshooting, testing procedures, and the use of vehicle service manuals are covered. Includes theory and operation of fuel injection, computerized engine controls, and emission control systems. Instruction in the use of diagnostic flow charts with major emphasis on drivability and emissions. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **AUTO 1244 Automotive Transmission and Transaxles**

4 credits: 3 hours lecture, 1 hour shop

Design and operation of the hydraulic controls and valves, design and operation of the torque converter, and planetary gear sets. Both rear-wheel and front-wheel power trains are studied. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **AUTO 1253 Heating and Air Conditioning**

3 credits: 2 hours lecture, 1 hour shop

Theory of refrigeration, the refrigeration cycle, and basic components of a typ-

ical automotive system, automatic temperature control systems including the latest computer monitored systems. Heating and ventilation function and construction of compressors, lines, expansion valves, expansion tubes, condensers, evaporators, blower motors and air distribution systems are covered. Service and maintenance procedures as well as basic shop safety are emphasized. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### AUTO 1264 Brakes

4 credits: 3 hours lecture, 1 hour shop

Principles of hydraulic brake system, its components, safety switches and valves, drum and disc brake assemblies, and power master hydraulic booster. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### AUTO 1273 Manual Drive Train and Axles

3 credits: 2 hours lecture, 1 hour shop

Principles of gear reduction applied to theory, operation and repair of manual transmissions, rear axles, and transaxles. Both rear-wheel and front-wheel power trains are studied. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### AUTO 1403 Internship (Optional Course)

3 credits

Internship provides students necessary time and use of equipment to apply operational skills learned in the theory classes. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## BIOL Courses (Biology)

#### BIOL 1041 Principles of Biology I Lab

1 credit: 2 hours lab

Prerequisites: ACT composite of 20, or BIOL 1063 and BIOL 1071, each with a grade of C or above

Corequisite: BIOL 1053

Laboratory exercises and demonstrations on the chemical basis of life, cell structure and function, metabolism, and genetics. Designed for biology and other life science majors or minors.

#### BIOL 1053 Principles of Biology I

3 credits: 3 hours lecture

Prerequisites: ACT composite of 20 or BIOL 1063 with a grade of C or above

The chemical basis of life, cell structure and function, metabolism, and genetics. Designed for biology and other life science majors or minors.

#### BIOL 1063 Introduction to Biological Science

3 credits: 3 hours lecture

Corequisite: ENGL 1013

Basic concepts of biology: cell and molecular biology, genetics, evolution, and ecology and the relevance of these topics to current events and issues. Designed for the non-science major.

#### BIOL 1071 Introduction to Biological Science Lab

1 credit: 2 hours lab

Corequisite: ENGL 1013

Basic studies of plants and animals, cells, biochemistry, metabolism, and inheritance, designed to illustrate and complement concepts discussed in BIOL 1063. Designed for the non-science major.

#### BIOL 1083 Principles of Biology II

3 credits: 3 hours lecture

Prerequisites: BIOL 1053 and BIOL 1041, each with a grade of C or above

Evolution, diversity, and ecology of organisms. Designed for biology and other life science majors or minors.

#### BIOL 1091 Principles of Biology II Lab

1 credit: 2 hours lab

Prerequisites: BIOL 1053 and BIOL 1041, each with a grade of C or above

Corequisites: BIOL 1083 Principles of Biology II

Laboratory exercises and demonstrations on animal and plant diversity, as well as structure, function, and behavior of these organisms. Designed for biology and other life science majors or minors.

#### BIOL 1143 General Botany

3 credits: 3 hours lecture

Corequisite: ENGL 1013

Structure, physiology, and phylogeny of plants, fungi, and plant-like protista.

#### BIOL 1153 General Zoology

3 credits: 3 hours lecture

Corequisite: ENGL 1013

Animal kingdom; classification, phylogenetic relationships, morphology, function, and life histories of animals.

#### BIOL 1161 General Zoology Laboratory

1 credit: 3 hours laboratory

Corequisite: BIOL 1153

Study and dissection of representative animals, emphasizing morphology, phylogeny, and life histories.

#### BIOL 1171 General Botany Laboratory

1 Credit: 3 hours laboratory

Corequisite: BIOL 1143

Morphological survey of plants, fungi, and plant-like protista, including the anatomy of seed plants.

#### BIOL 2233 Anatomy and Physiology I

3 credits: 3 hours lecture

Co-requisites: ENGL 1013; BIOL 1063 recommended

A basic course in anatomy and physiology with emphasis on structure and function of cells, tissues, organs and systems in the human body.

#### BIOL 2243 Anatomy and Physiology II

3 credits: 3 hours lecture

Prerequisites: BIOL 2233 and CHEM 1023

A continuation of the basic course in anatomy and physiology with emphasis on structure and function of cells, tissues, organs and systems in the human body.

#### BIOL 2291 Anatomy and Physiology I Lab

1 credit: 3 hours lab

Co-requisite: BIOL 2233

Structure and function of cells, tissues, organs and systems in the human body.

#### BIOL 2301 Anatomy and Physiology II Lab

1 credit: 3 hours lab  
Co-requisite BIOL 2243  
Structure and function of cells, tissues, organs and systems in the human body

**BIOL 3314 Ichthyology/Herpetology**  
4 credits: 3 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 1153 and BIOL 1161  
Taxonomy and natural history of fishes, amphibians, and reptiles, emphasizing the local fauna. Offered: Spring, odd-numbered years.

**BIOL 3324 Ornithology/Mammalogy**  
4 credits: 3 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 1153 and BIOL 1161  
Taxonomy and natural history of birds and mammals, emphasizing the local fauna. Offered: Spring, even-numbered years.

**BIOL 3333 Molecular Biology**  
3 credits: 3 hours lecture  
Prerequisite: BIOL 3553 or BIOL 3354  
Study of genes and their activities at the molecular level with an emphasis on applications useful in the analysis of genomes and treatment of genetic diseases.

**BIOL 3354 Genetics**  
4 credits: 3 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 3553 and 3561; CHEM 1113 and 1131  
Principal laws of heredity, including Mendelian, molecular, and cytogenetics. Offered: Spring.

**BIOL 3363 Cell Biology**  
3 credits: 3 hours lecture  
Prerequisites: BIOL 1083 and BIOL 1091  
Co-requisite: CHEM 3404  
Introduction to the structure and physiology of cells with an emphasis on molecular biology. A core course for biology majors.

**BIOL 3413 Mammalogy**  
3 credits: 3 hours lecture  
Prerequisites: BIOL 1153 and BIOL 1161  
Taxonomy, morphology, physiology, behavior, ecology and conservation of mammals; emphasizing mammals that occur in the central and southeastern United States. Offered: Fall, odd-numbered years.

**BIOL 3423 Plant Morphology**  
3 credits: 1 hour lecture, 6 hours laboratory  
Prerequisite: BIOL 1143 and BIOL 1171  
Structure, reproduction, and life histories of the vascular plants: ferns and fern allies, gymnosperms, and flowering plants.

**BIOL 3434 Regional Flora**  
4 credits: 2 hours lecture, 6 hours laboratory  
Prerequisite: BIOL 1143 and BIOL 1171  
Identification and classification of the vascular plants of the southeastern United States, emphasizing flowering plants. Offered: Spring, odd-numbered years.

**BIOL 3451 Mammalogy Lab**  
1 credit: 3 hours Laboratory  
Prerequisites: BIOL 1153 and BIOL 1161

Corequisite: BIOL/WLF 3413  
Taxonomy and natural history of mammals, emphasizing Arkansas fauna.  
Offered: Fall, odd-numbered years

**BIOL 3484 General Ecology**  
4 credits: 3 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 1143, 1153, 1161 and 1171; six hours of chemistry  
Principles of ecology; study of environments and their components, the flow of energy and materials, ecological succession, pollution, and radiation ecology. Offered: Fall.

**BIOL 3493 Environmental Science**  
3 credits: 3 hours lecture  
Prerequisite: 3 hours of biology or earth science  
NOTE: Same as ESCI 3493  
A survey of the environment to provide an understanding of and respect for the ecosystems upon which the human species is dependent. Offered: Fall, even-numbered years.

**BIOL 3503 Marine Biology**  
3 credits: 3 hours lecture  
Prerequisites: BIOL 1153 and BIOL 1161  
Study of the structure and function of the marine environment with emphasis on the fauna and ecology of the Gulf of Mexico. Optional field trip to the Gulf of Mexico.

**BIOL 3511 Marine Biology Laboratory**  
1 credit: 2 hours laboratory  
Prerequisites: BIOL 1153 and BIOL 1161  
Study of the structure and function of the marine environment with emphasis on the identification of some of the common organisms of the Gulf of Mexico. Optional field trip to the Gulf of Mexico.

**BIOL 3524 Ornithology**  
4 credits: 3 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 1153 and BIOL 1161  
Taxonomy and natural history of birds, emphasizing the local fauna. Offered: Spring, even-numbered years.

**BIOL 3553 Microbiology**  
3 credits: 3 hours lecture  
Prerequisites: 6 hours of chemistry and 3 hours of biology; or BIOL2243/2301 and 3 additional hours of BIOL  
The biology of microorganisms including bacteria, viruses, fungi, and protozoans, with emphasis given to their importance in health and disease.

**BIOL 3561 Microbiology Lab**  
1 credit: 3 hours laboratory  
A laboratory course designed to supplement the basic lecture course in microbiology with experimentation and demonstration.

**BIOL 3574 Comparative Anatomy**  
4 credits: 3 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 1153 and BIOL 1161  
Structure, development, function, and evolution of organs and organ systems in the different vertebrate groups with emphasis on basic principles. Offered: Fall.

**BIOL 358V Natural History**  
Variable credit  
Prerequisite: 3 hours biology or 3 hours earth science  
NOTE: May be taken for a maximum of 3 hours credit. Same as ESCI 358V,

**FOR 358V and WLF 358V.**

A field course in earth science and biology of natural ecosystems, consisting of travel, study and/or research in unique natural areas of North America.

**BIOL 3594 Invertebrate Zoology**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: BIOL 1153 and BIOL 1161

Classification, phylogenetic relationships, morphology, function, and life histories of invertebrates, emphasizing marine invertebrates and the economic importance of all invertebrate groups.

**BIOL 3763 Evolution**

3 credits: 3 hours lecture

Prerequisite: BIOL 1083

Study of evolutionary theory and processes, including selection, adaptation, and speciation. The course also explores classification of organisms and scientific nomenclature.

**BIOL 3801 Mammalian Anatomy Laboratory**

1 credit: 3 hours laboratory

Prerequisites: BIOL 1153 and BIOL 1161

Basic mammalian anatomy, with emphasis on the human skeleton and cat organ systems.

**BIOL 4624 Vertebrate Embryology**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: BIOL 1153, 1161 and 3574

Embryonic development of the chordates as applied to amphioxus, frog, chick, and pig. Offered: Spring, even-numbered years.

**BIOL 4634 Vertebrate Physiology**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: BIOL 3363, and 8 hours of chemistry or consent of instructor.

Fundamental concepts of vertebrate physiology, emphasizing function, mechanism, and controls of the various vertebrate organ systems. Offered: Spring.

**BIOL 4664 Mammalian Histology**

4 credits: 2 hours lecture, 6 hours laboratory

Prerequisites: BIOL 1153 and BIOL 1161

A morphological study and identification of mammalian tissues (human when available) and their organization within mammalian organs.

**BIOL 4673 Pharmacology**

3 credits: 3 hours lecture

Prerequisite: Junior or senior standing and approval of the instructor and Dean of Mathematical and Natural Sciences

Study of the response of living organisms to drugs.

**BIOL 4683 Pathophysiology**

3 credits: 3 hours lecture

Prerequisites: BIOL 3553; BIOL 2243/2301 or BIOL 4634

Introduction to the physiological basis of the disease process. Offered: Spring.

**BIOL 469V Senior Research**

Variable credit

Prerequisites: 20 hours of biology, 8 hours of chemistry, Senior standing, and approval of a project proposal by the school dean.

NOTE: Open only to biology majors and minors. May be repeated for a maxi-

mum of 6 hours of credit. Literature search and laboratory and/or field work on individual research projects.

**BIOL 4724 Aquatic Biology**

4 credits: 3 hours lecture and 3 hours of laboratory

Prerequisites: BIOL 1153, BIOL 1161; six hours of chemistry

Chemical and biological studies of aquatic environments with emphasis on the geological and hydrological features of lakes and streams.

**BIOL 4734 Animal Behavior**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisite: BIOL 1063

Behavior of animals, focusing on evolutionary patterns and ecological significance. Topics include genetics of behavior, ethology, adaptation, fitness, reproductive tactics/mating systems, foraging, and social behavior.

**BIOL 4741 Biology Seminar**

1 credit: 1 hour lecture

Prerequisites: 20 hours of biology

A research course covering methods for writing papers and conducting public presentations on topics from the biological sciences. Offered: Fall.

**BIOL 4753 Selected Topics in Biology**

3 credits: 3 hours lecture

Prerequisite: Junior or senior standing and approval of the instructor and Dean of Mathematical and Natural Sciences

Selected topics in biology.

**BIOL 479V Independent Study in Biology**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**BUS  
(Business)****BUS 1013 Tech Business Communications**

3 credits

Prerequisites: BUS 2003 and BUS 1203

Tech Business Communications covers the principles of effective oral and written communications in a business office. Topics include: verbal/nonverbal, writing, reading, and listening skills as well as psychological principles and employment skills involved in effective business communications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability

**BUS 1103 Tech Business Mathematics**

3 Credits

Provides training in the fundamentals of math, problem solving in business situations, and financial management including percentages, payroll and taxes, insurance, statistics, functions, and graphs. Course also covers inventory methods, depreciation, discounts, interest, sales markup, and algebraic principles to solve business problems. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1113 Tech Business Machines**

3 Credits

Designed to provide opportunities to learn employable skills using machines

found in business offices including reprographics. Emphasis is placed on both speed and accuracy through touch operation of ten-key keypads. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1123 Tech Accounting I**  
3 Credits

Fundamental accounting concepts and procedures for sole proprietorships. Includes journalizing and posting transactions, preparing trial balances, worksheets, and financial statements. Emphasis given to cash, banking, payroll procedures, sales, purchases, and accounts receivables/payables. Simulated accounting activities offer decision-making opportunities encountered in the business world. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1133 Tech Medical Terminology**  
3 credits

Presents medical terminology through study of medical word roots, prefixes, suffixes, and combining forms that relate to pharmacology, oncology, radiology, nuclear medicine, and psychiatry. Focus on relationships among symptomatic, disease, and procedural terms. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1203 Tech Keyboarding**  
3 Credits

Tech Keyboarding provides training in the touch operation of the alphanumeric keyboard as well as skills necessary to process documents using word processing software. Microsoft Word for Windows is used to provide opportunity for development of basic skills through drills for speed and accuracy. Formatting of basic business documents is integral. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1213 Tech Keyboarding Applications**  
3 Credits

Prerequisite: BUS 1203  
Training in the refinement of the operation of alphanumeric keyboards. Production work includes letters, memos, reports, business forms, tables, and administrative and employment communications. Skill development through drills for speed and accuracy control continues as an integral part of the class. This course builds production skills necessary to use software to operate computers with speed and accuracy. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1303 Tech Computer Applications for Business**  
3 Credits

Corequisite: BUS 1213 or approval of administration  
Provides a working vocabulary of terms used by computer personnel and an introduction to business software applications. Microsoft Office for Windows applications are used. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1383 Tech Spreadsheet Applications**  
3 Credits

Prerequisite: BUS 1203 or approval of administration  
Provides opportunities for practical experience in developing spreadsheets. Activities include creating templates and financial models for entering and

processing data. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1503 Tech Word/Information Processing**  
3 credits

Corequisite: BUS 1203  
Course is designed for students to produce documents found in business offices. Students keyboard, edit, format, store, retrieve, and print acceptable documents using a word processor. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1523 Tech Machine Transcription**  
3 Credits

Prerequisite: BUS 1203 or approval of administration  
Training in transcribing mailable documents from recordings using a computer. Learning to use a reference manual to enhance grammar and communication skills is included. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1563 Tech Administrative Support Procedures**  
3 Credits

Corequisite: BUS 1213 or BUSI 1003  
Administrative practices and procedures used in a business office. Topics include personal development; interpersonal relations; mail handling; telecommunications and telephone usage; travel arrangements; receptionist duties; records management; decision making; organization concepts; skills and procedures; traditional and electronic information resources; time and stress management; team building, goal setting, professionalism, and human relation development enhancement. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 1603 Tech Vocabulary Development**  
3 Credits

Study of the origins and growth of the English vocabulary, word-formation, semantics, meaning shifts, regional vocabulary, nomenclature, and verbal proficiency. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 2003 Tech Business English**  
3 Credits

Corequisite: BUS 1203 or BUSI 1003  
Introduction and review of the basics in punctuation, English grammar, spelling, and other mechanics needed in current business usage. Writing techniques for effective letters, memos, and reports. Analysis skills including appearance, clarity, dictionary usage, impact and proofreading techniques. Assignments completed using word processing software. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 2013 Tech Business Communications**  
3 Credits

Prerequisite: BUS 2003 and BUS 1203 or BUSI 1003  
Covers the principles of effective oral and written communications in a business office with emphasis on fluency, coherence, and accuracy. Topics include verbal/nonverbal, writing, reading, and listening skills, team assignments and

participation, as well as psychological principles, information analysis for letter writing and revision, and employment skills involved in effective business communications including correct letter writing procedures for business situations. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 2613 Tech Small Business Management**

3 credits

Study of basic economics of small business ownership and management. Information necessary to start and manage a small business. Topics include selecting, organizing, planning, raising capital, recordkeeping, law, insurance, advertising, personnel management, technology, and future trends. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUS 2623 Tech Business Practicum**

3 credits

Prerequisites: Successful completion of AIP Technical Certificate requirements, concurrent enrollment, or approval of administration.

Provides on-the-job training designed to prepare students for employment as data entry and/or word processing operators, accounting clerks, receptionists, administrative assistants, executive secretaries, or management personnel. Course provides students with opportunities in the workforce environment to apply and enhance the knowledge and skills obtained in the Administrative Information Processing Program. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI  
(Business Technology)**

**BUSI 1003 Tech Keyboarding/Word Processing I**

3 credits: 3 hours lecture

Hands-on touch system learning of the alphabetic, numeric, and symbol keys on the keyboard. Accuracy, proofreading skills, and speed incorporated with theory and practical applications using a word processing program including letters, memos, tables, and reports. Students are expected to be keying 40-50 wpm by the end of the course. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI 1133 Tech Mathematics II**

3 credits: 3 hours lecture

Tech Math II provides training in the fundamentals of math and problem solving related to business situations and financial management. Includes percentages, payroll and taxes, statistics, functions, and graphs. Also covers inventory methods, discounts, interest, and sales mark up and discounts.

**BUSI 2013 Tech Business Communications**

3 credits: 3 hours lecture

Prerequisite: BUSI 2093

Correct letter writing procedures for business situations. Emphasis on formatting as well as fluency, coherence, and accuracy. Includes effective listening skills and information analysis for letter writing and revision. Team assignments and team participation are included.

**BUSI 2043 Tech Office Procedures/Human Relations**

3 credits: 3 hours lecture

Prerequisite: BUSI 1003

Administrative practices and procedures used in a business office. Top-

ics include personal development, interpersonal relations, mail handling, telecommunications, and telephone usage, travel arrangements, receptionist duties, records management, decision making, organization concepts, skills, and procedures, traditional and electronic information resources, time and stress management, teambuilding, goal setting, professionalism, and human relation development and enhancement.

**BUSI 2063 Tech Spreadsheet/Data Base**

3 credits: 3 hours lecture

Prerequisites: BUSI 1003 and CIS 2223

Basic models and capabilities of standard DBMS packages. Course stresses application development and modeling and electronic spreadsheets. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI 2083 Tech Data Entry/Office Machines**

3 credits: 3 hours lecture

Prerequisites: BUSI 1003 and CIS 2223

Introduces procedures and techniques most commonly used in recording data in machine-readable format. Emphasis given to data entry proficiency for a variety of business applications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI 2093 Tech Business English**

3 credits: 3 hours lecture

Prerequisite: BUSI 1003

Writing techniques for effective letters, memos, and reports. Includes basic writing and vocabulary. Analysis skills including appearance, clarity and impact. Assignments completed using word processing software. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI 210V Tech Internship**

No Credit

Prerequisite: Completion of all required courses in the Business Technology certificate program.

Provides opportunities for students to practice knowledge and skills learned in an actual work setting. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI 2153 Tech Word Processing II**

3 credits: 3 hours lecture

Prerequisite: BUSI 1003

Continuation of BUSI 1003 Keyboarding /Word Processing I with emphasis on merge, graphics and advanced graphics tools, and others. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**BUSI 2253 Tech Desktop Publishing**

3 credits: 3 hours lecture

Prerequisites: BUSI 1003

Desktop publishing package uses tools needed to create publications including graphic boxes, images, graphic lines, borders, fill, text art, drop caps, rotate text, address book, templates and styles, table of contents, index, drawing, charting, designing a web page, brochures, business cards, and newsletters. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**CFA**

## (Computer Fundamentals)

### CFA 1103 Tech Computer Fundamentals

3 credits

Introduction to computer terminology, hardware, software, procedures, operating systems, and applications as applied to various service areas. Software includes Windows XP, MS Word, MS Excel, and MS Access. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## CHEM Courses (Chemistry)

### CHEM 1023 Introductory Chemistry

3 credits: 3 hours lecture

Corequisites: ENGL 1013 and MATH 0183, or equivalent

Introduction to the structure of matter, its classification, and the physical, chemical, and nuclear changes it undergoes.

### CHEM 1031 Introductory Chemistry Laboratory

1 credit: 2 hours laboratory

Corequisite: CHEM 1023

Basic studies in chemical experimentation including measurements, properties of elements and compounds, and reactions of matter.

### CHEM 1103 General Chemistry I

3 credits: 3 hours lecture

Corequisites: CHEM 1121, ENGL 1013 and MATH 1043

The study of measurement systems, significant figures, atomic and molecular structure, gas laws, thermochemistry, solutions, states of matter, chemical bonding, chemical reactions, and stoichiometry.

### CHEM 1113 General Chemistry II

3 credits: 3 hours lecture

Prerequisite: CHEM 1103, 1121

Corequisite: CHEM 1131

The study of kinetics, equilibrium, thermodynamics, electrochemistry, oxidation-reduction, acid-base chemistry, nuclear chemistry, and selected descriptive chemistry. An ACS standardized exam will be given as the final exam.

### CHEM 1121 General Chemistry I Laboratory

1 credit: 3 hours laboratory

Corequisite: CHEM 1103

Experimentation and theory in the areas of measurement systems, chemical analysis, chemical reactions, stoichiometry, thermochemistry, and molecular structure.

### CHEM 1131 General Chemistry II Laboratory

1 credit: 3 hours laboratory

Corequisite: CHEM 1113

Experimentation and theory in the areas of qualitative analysis, oxidation-reduction, equilibrium, acid-base chemistry, and thermodynamics.

### CHEM 2203 Introduction to Organic and Biochemistry

3 credits: 3 hours lecture

Prerequisite: CHEM 1023 or CHEM 1103

Chemical substances from which life is formed. Designed for those who desire a general overview of organic and biochemistry.

### CHEM 2211 Introduction to Organic and Biochemistry Laboratory

1 credit: 3 hours laboratory

Corequisite: CHEM 2203 or passing grade from CHEM 2203

Experimentation and theory related to the basic concepts in organic and biochemistry. Topics include: study of physical and chemical properties, separation, purification, identification, chemical reactivity, and synthesis of organic compounds.

### CHEM 3314 Quantitative Analysis

4 credits: 2 hours lecture, 6 hours laboratory

Prerequisites: CHEM 1113 and CHEM 1131; MATH 1043 or MATH 1175

Analytical chemistry with emphasis on the principles and theories of gravimetric and volumetric analysis. Offered: Fall.

### CHEM 3404 Organic Chemistry I

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: CHEM 1113 and CHEM 1131

A study of carbon compounds, including an introduction to organic nomenclature, reactions, reaction mechanisms, organic synthesis, and structural and stereochemical problems. Offered: Fall.

### CHEM 3414 Organic Chemistry II

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisite: CHEM 3404

A continuation of Organic Chemistry I (3404). A study of organic nomenclature, reactions, reaction mechanisms, organic spectroscopy, and greater emphasis on organic synthesis. An ACS standardized exam will be given as the final exam. Offered: Spring.

### CHEM 3444 Instrumental Analysis

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: CHEM 3314 and PHYS 2203 or PHYS 2213

Theoretical and practical application of instrumental methods to chemical analysis. Offered: Spring, odd-numbered years.

### CHEM 3454 Organic Analysis

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisite: CHEM 3414

Systematic separation and identification of organic compounds with emphasis on molecular structure. Use and theory of spectrometric methods and other physical techniques. Offered: Fall, odd-numbered years.

### CHEM 4503 Special Topics in Chemistry

3 credits: 3 hours lecture

Prerequisites: Completion of at least 16 hours of chemistry and approval of both the instructor and the Dean of the School of Mathematical and Natural Sciences.

Selected topics in chemistry chosen by the instructor will be presented. The purpose of this course is to provide the students with specialized training in a specific area of chemistry not covered in other chemistry courses. May be repeated for a maximum of 9 hours.

### CHEM 4511 Special Topics in Chemistry Laboratory

1 credit: 3 hours laboratory

Prerequisites: Completion of at least 16 hours of chemistry and approval of both the instructor and the Dean of the School of Mathematical and Natural Sciences.

Selected topics in chemistry chosen by the instructor will be presented. The purpose of this course is to provide the students with specialized training in a specific area of chemistry not covered in other chemistry courses. May be repeated for a maximum of 3 hours.

**CHEM 4603 Structure and Mechanism**

3 credits: 3 hours lecture

Prerequisite: CHEM 3404

Structural considerations of organic chemistry including stereochemistry, electronic theory, and mechanisms.

**CHEM 4611 Chemistry Seminar**

1 credit: 1 hour lecture

Prerequisite: Completion of at least 24 hours of chemistry with a G.P.A. in chemistry of at least 3.00 and permission of the instructor.

Students give oral presentations on different topics each semester based on laboratory and/or library research. The course may be repeated for a maximum of 2 credit hours.

**CHEM 4623 Advanced Inorganic Chemistry**

3 credits: 3 hours lecture

Prerequisite: 12 hours of chemistry

Nuclear chemistry, theories of chemical bonding, acid-base definitions, coordination compounds, or organometallic chemistry, and selected descriptive chemistry. Offered: Fall, even-numbered years.

**CHEM 4633 Biochemistry I**

3 credits: 3 hours lecture

Prerequisite: CHEM 3414

Introduction to the chemical aspects of living systems: organization and production of cellular macromolecules, production and utilization of energy by the cell, major metabolic pathways and biochemical control mechanisms. Offered: Fall.

**CHEM 4643 Biochemistry II**

3 credits: 3 hours lecture

Prerequisite: CHEM 4633

Continuation of studies of chemical aspects of living systems: organization and production of cellular macromolecules, production and utilization of energy by the cell, major metabolic pathways and biochemical control mechanisms. Offered: Spring, even-numbered years.

**CHEM 469V Senior Research**

Variable credit

Prerequisites: Junior or Senior standing and approval of a project proposal by the division chair.

NOTE: Open only to chemistry majors. May be repeated for a maximum of 6 hours of credits.

Literature search and laboratory work on individual research problems.

**CHEM 4704 Physical Chemistry: Thermodynamics**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: MATH 3495; PHYS 2323 and PHYS 2241; and 12 hours of chemistry

Corequisite: MATH 3525

Principles of theoretical chemistry and their mathematical interpretations, emphasizing thermodynamics. Offered: Spring, odd-numbered years.

**CHEM 4714 Physical Chemistry: Kinetic and Quantum Mechanics**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: MATH 3495; PHYS 2323 and PHYS 2241; and 12 hours of chemistry

Corequisite: MATH 3525

NOTE: May be taken prior to CHEM 4704.

Principles of theoretical chemistry and their mathematical interpretations, emphasizing kinetics and quantum chemistry. Offered: Spring, even-numbered years.

**CHEM 4731 Biochemistry Laboratory**

1 credit: 3 hours laboratory

Co/Prerequisite: CHEM 4633

A laboratory course in modern biochemical techniques investigating proteins, nucleic acids, carbohydrates, and lipids.

**CHEM 4742 Advanced Laboratory Techniques**

2 Credits: 1 hour lecture, 3 hours laboratory

Prerequisite: 11 hours of 3000-4000 level chemistry and instructor permission  
Laboratory techniques including chemical separations, structure determination, reactions in air-free conditions, molecular modeling, use of specialized chemical instrumentation, and use of chemical literature.**CHEM 479V Independent Study in Chemistry**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**CHM  
(Chemistry)****CHM 2104 Tech Principles of Chemistry**

4 credits

Prerequisite: MAT 1304 or MATH 0183 or higher-level mathematics

Lecture-laboratory survey of basic concepts of inorganic and organic chemistry including the language of chemistry, chemical formulas, properties of chemical substances, chemical bonding, chemical reactions, and equations. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**CIS Courses  
(Computer Information Systems)****CIS 1013 Introduction to Computer-Based Systems**

3 credits: 3 hours lecture

An introduction to computers in business and scientific data processing.

Overview of computer systems, computer languages, and data representation. Offered: Fall, Spring, Summer.

**CIS 2193 PC Hardware and Software Maintenance**

3 credits: 3 hours lecture

Prerequisites: CIS 1013 and CIS 2223

An introduction to computer maintenance, emphasizing hardware and software management, system maintenance, and troubleshooting in the PC environment. Offered: Spring.

**CIS 2203 Programming Logic and Design**

3 credits: 3 hours lecture

Emphasis on fundamental problem solving, programming logic, and algorithm specifications using various modeling tools; coding of algorithms applicable to



high level programming languages. Offered: Fall, Spring, Summer.

#### CIS 2223 Microcomputer Applications

3 credits: 3 hours lecture

Prerequisite: Keyboarding ability recommended.

The study and use of microcomputer-based applications software to increase business and personal productivity. Realistic computing problems will be solved using standard software packages. Offered: Fall, Spring, Summer.

#### CIS 3103 Advanced Microcomputer Applications

3 credits: 3 hours lecture

Prerequisite: CIS 2223

The advanced study, use, and integration of microcomputer-based applications software to increase business and personal productivity. Offered: Fall, Spring, Summer.

#### CIS 3233 Business Database Management Systems

3 credits: 3 hours lecture

Prerequisites: General Education Mathematics and grade of "C" or above in CIS 2223

Essentials of database design, creation and manipulation for business and accounting applications using a microcomputer-based package. Emphasis on advanced queries, reports and macros. Offered: Fall.

#### CIS 3243 Introduction to Java Programming

3 credits: 3 hours lecture

Prerequisites: General Education Mathematics and grade of "C" or above in CIS 2203

Introductory study of the Java Programming language, emphasizing assigned readings, individual research and hands-on programming of Object Oriented programs using Java classes and Swing components. Offered: Spring.

#### CIS 3423 COBOL

3 credits: 3 hours lecture

Prerequisites: General Education Mathematics, grade of "C" or above in CIS 2203

Techniques essential to problem-solving with the COBOL programming language. Practical application with emphasis on structured approach. Offered: Fall, Spring.

#### CIS 3433 Introduction to C# Programming

3 credits: 3 hours lecture

Prerequisites: General Education Mathematics and grade of "C" or above in CIS 2203

Techniques essential to problem-solving with the C# programming language. Practical application with emphasis on structured approach. Offered: Fall.

#### CIS 3443 Object-Oriented Programming Languages

3 credits: 3 hours lecture

Prerequisites: General Education Mathematics and grade of "C" or above in CIS 2203

Provides the student with theory and application of information systems development utilizing object-oriented (OO) technology. Topics include: analysis, design, data modeling, database management systems, and programming. Offered: Fall, Spring, Summer.

#### CIS 3453 World Wide Web Programming

3 credits: 3 hours lecture

Techniques essential to the design and construction of World Wide Web documents using Web programming languages and Web construction applications. Offered: Fall.

#### CIS 3523 Structured System Analysis and Design

3 credits: 3 hours lecture

Prerequisites: CIS 3423 or CIS 3443

Application of skills and concepts developed in basic data processing course work to more advanced topics involving design, implementation, evaluation, and documentation of management information systems. Offered: Fall, Spring.

#### CIS 3553 Advanced COBOL

3 credits: 3 hours lecture

Prerequisite: grade of "C" or above in CIS 3423

Emphasis on structured methodology of program design, development, testing, implementation, and documentation of business-oriented applications. Includes coverage of sequential and random access files and processing techniques, and development of programs and systems of programs for batch and interactive environments using COBOL programming language. Offered: Fall, Spring.

#### CIS 370V Computer Information Systems Practicum

Variable credit

Prerequisite: Completion of 12 hours in Computer Information Systems or permission of unit head

NOTE: May be repeated for a total of 6 hours credit with approval of the unit head.

Introduction to research and specialized programming in computer information systems in the context of assisting with faculty research and programming projects.

#### CIS 4253 CIS Security

3 credits: 3 hours lecture

Prerequisite: grade of "C" or above in CIS 3523

Detailed study of computer and network security, emphasizing practical hands-on exercises and projects to provide a basic understanding and proficiency in the use of network security tools and protocols. Offered: Fall.

#### CIS 4503 Business Data Communications

3 credits: 3 hours lecture

Prerequisite: CIS 3423 or CIS 3443

To provide a strong introduction to both communications and networking for the computer literate student, focusing on system software. Offered: Fall, Spring.

#### CIS 460V Internship in Computer Information Systems

Variable credit (1-3 hours)

Prerequisite: Advanced standing and permission of unit head and instructor. Practical experience in computer programming and database management. Students work in a business setting which allows for application of computer systems knowledge and development of information systems skills.

#### CIS 4623 Database Management Systems

3 credits: 3 hours lecture

Prerequisites: CIS 3423 and CIS 3443

Emphasis on file organization methods, file access methods, data structures

for database processing and the process for database design and implementation. The study and use of Structured Query Language to develop database programs. Offered: Fall, Spring.

**CIS 4633 Application Software Development Project**

3 credits: 3 hours seminar

Prerequisites: CIS 3523 and CIS 4623

System simulation techniques; their application to business systems using an appropriate simulation language; systems design and development; extensive use of computers. Offered: Fall, Spring.

**CIS 4723 Seminar in Computer Information Systems**

3 credits: 3 hours lecture

NOTE: May be repeated for a total of 9 hours credit with unit head's permission.

Detailed study of one of the specialized areas of computer information systems, emphasizing assigned readings and individual research. Offered: Fall, Spring.

**CIS 479V Independent Study in Computer Information Systems**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## C J Courses (Criminal Justice)

**C J 1013 Introduction to Criminal Justice**

3 credits: 3 hours lecture

A survey of the various components of the criminal justice system.

**C J 2113 Policing in America**

3 credits: 3 hours lecture

Prerequisite: C J 1013

The roles of police as they relate to modern culture and society.

**C J 2123 Corrections**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Analysis of the roles and functions of corrections including institutions as well as community corrections.

**C J 2133 Criminal Justice Ethics**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Examines the history and theory of ethics and its application to the field of criminal justice. Emphasis on the ethical standards and the implications of ethical violations for criminal justice professionals.

**C J 2143 Juvenile Justice**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Structure and processes of the juvenile justice system.

**C J 2283 Research Methods in the Social Sciences (same as PSCI 2283)**

3 credits: 3 hours lecture

Prerequisite: C J 1013

An overview of social science research methodology focusing on creating research designs, developing appropriate measures, creating testable hypotheses, and developing research skills.

**C J 2293 Law and Society (same as PSCI 2293)**

3 credits: 3 hours lecture

Prerequisites: C J 1013 and PSCI 2213

Examines the courts, law, and the legal system including law and politics, judicial philosophy and biography.

**C J 3233 Criminal Law**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Basic principles of substantive criminal law including defenses, elements of various crimes, and consideration of the Arkansas criminal code.

**C J 3243 Constitutional Criminal Procedure (same as PSCI 3413)**

3 credits: 3 hours lecture

Prerequisites: C J 1013 and PSCI 2213

Analysis of procedural limitations on law enforcement and in the prosecution of crimes; emphasizes cases dealing with the fourth, fifth, sixth, and eighth amendments.

**C J 3263 Criminalistics**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Crime scene techniques. Students will gain a basic knowledge of these techniques as well as practical experience with various types of evidence.

**C J 3313 Statistics for Social Sciences (same as PSCI 3313)**

3 credits: 3 hours lecture

Prerequisite: C J 2283 or PSCI 2283 or permission of instructor

Introduction to use and interpretation of statistics in the social sciences.

**C J 3353 Probation and Parole**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Analysis of the systems of probation and parole, including current court cases and trends in corrections.

**C J 3613 Criminal Investigation and Evidence**

3 credits: 3 hours lecture

Prerequisite: C J 1013

Analysis of criminal investigation procedures; rules pertaining to collection and presentation of evidence.

**C J 374V Field Study in Criminal Justice (same as PSCI 374V)**

3 credits: 3 hours lecture

Prerequisite: C J 1013 or PSCI 2213

A field study consisting of travel, observation, and study of different legal and political institutions and agencies. May be repeated for a maximum total of 12 hours either in criminal justice exclusively or a maximum total of 12 hours combined with PSCI 374V.

**C J 4373 Criminology (same as SOC 4373)**

3 credits: 3 hours lecture

Prerequisites: C J 1013 and SOC 2213

Theories of the nature and causes of crime, and analyses of various kinds of crimes.

**C J 4383 Principles of Administration (same as PSCI 3433)**

3 credits: 3 hours lecture

Prerequisites: C J 1013 or PSCI 2213

Nature of bureaucratic organization and changing themes in organizational theory; fiscal and personnel policy; public unions and collective bargaining; leadership, communication, and motivation.

### C J 4393 Victimology

3 credits: 3 hours lecture

Prerequisite: C J 1013, Junior or senior standing or approval of instructor

Examines the literature, research, and current trends concerning the victim and the criminal justice system. Emphasis on victim rights and compensation, measurement of victimization, and the impact of victimization on the individual.

### C J 4403 Seminar in Criminal Justice

3 credits: 3 hours lecture

Prerequisite: C J 1013

Selected topics in the field of criminal justice, with readings, class discussions, and travel to state criminal justice agencies. May be repeated for a maximum of 12 hours credit.

### C J 4413 Drugs in Society (same as SOC 4513)

3 credits: 3 hours lecture

Prerequisites: C J 1013, junior or senior standing, or approval of instructor

An overview of the drug problem in the U.S. including an analysis of both legal and illegal drugs commonly abused. Emphasis on the criminal justice system's response to the use, possession, and distribution of illicit drugs in our society.

### C J 4493 Civil Liberties and Civil Rights (same as PSCI 4493)

3 credits: 3 hours lecture

Prerequisite: C J 2293 or PSCI 2293

Focuses on citizen's fundamental rights and how decisions made within the Federal Court system have affected those rights and liberties.

### C J 479V Independent Study in Criminal Justice

Variable Credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

### C J 489V Internship

Variable credit

Prerequisites: C J 1013, Junior standing or permission of the instructor.

Supervised learning experience in a criminal justice agency. May be repeated for a maximum of 6 hours of credit.

## **CMP** **(Computer Maintenance)**

### CMP 1404 Tech IT Essentials I: PC Hardware and Software

4 credits

Corequisite: MAT 1304 or MATH 0183 or higher-level mathematics

Sponsored by Hewlett-Packard Company and presents an in-depth exposure to computer hardware and software systems. Students learn the functionality of hardware and software components and suggested best practices in maintenance and safety issues. Through hands-on activities and labs students learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. Includes an introduction to networking. Aids in preparation for Comp TIA's A-plus certification. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### CMP 1413 Tech Graphic Design for Webmasters

3 credits

This course focuses on web site design graphics with particular emphasis on design elements involving Photoshop. Students learn web graphic design and preparation for higher education or jobs in the internet economy. This course

will consist of hands-on web design exercises using Adobe Photoshop. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### CMP 1504 Tech Fundamentals of Voice and Data Cabling

4 credits

Sponsored by Panduit and designed to familiarize students with the physical aspects of voice and data network cabling and installation. Focuses on cabling issues related to data and voice connections and provides information regarding the industry and its worldwide standards, types of media and cabling, physical and logical networks as well as signal transmission. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### CMP 1604 Tech IT Essentials II: Network Operating Systems

4 credits

Prerequisite: CMP 1404

Sponsored by Hewlett-Packard Company, this course provides an intensive introduction to multi-user, multi-tasking network operating systems. Characteristics of the Linux, Windows 2000, Windows NT and Windows XP network operating systems are examined. Students explore a variety of topics including installation procedures, security issues, back-up procedures, and remote access. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### CMP 1704 Tech Fundamentals of Web Design

4 credits

Prerequisite: CMP 1413

Focuses on the overall production processes surrounding web site design with particular emphasis on design elements involving layout, navigation, and interactivity. Students learn web design in preparation for higher education or jobs in the internet economy. Hands-on web design exercises using Adobe Photoshop, Adobe Illustrator, Adobe DreamWeaver and Adobe ImageReady. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### CMP 1802 Tech Computer Peripheral Maintenance

2 credits

Prerequisite: CMP 1604

Designed to provide training on the upkeep and repair of printers including dot matrix, ink jet, and laser. Upkeep and repair of other peripherals included. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### CMP 1903 Tech Fundamentals of Electronics

3 credits

Prerequisite: MAT 1304

Introduction of electronic circuits and devices. Emphasis toward digital electronics and test equipment. Covers many areas in a computer logic-type environment to which the student may be exposed. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## **COM** **(Tech Communication)**

**COM 1102 Employability Skills/Ethics**

2 credits

Course focuses specifically upon interviews, resumes, applications, employment and workplace forms, and developing positive employability attitudes and skills that support finding, getting, and keeping a job. Also covers work ethics that support and promote successful employment and career development. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**COM 1202 Tech Language Skills**

2 credits

Focus upon developing listening, speaking, reading, writing, and human relations skills with emphasis placed on communication competencies required in the workplace. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**COMM  
(Tech Communication)****COMM 1203 Tech Communications**

3 credits: 3 hours lecture

Develops speaking, reading, writing, listening and human relations competencies with emphasis on skills required in employment settings. Also examines communication techniques involved in successful employment interviewing. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**CS Courses  
(Computer Science)****C S 2213 Pascal Programming**

3 credits: 3 hours lecture

Corequisite: MATH 1043 or MATH 1175

Pascal computer programming language. Emphasis on problem solving with examples from science, business, and mathematics.

**C S 2253 FORTRAN Programming**

3 credits: 3 hours lecture

Corequisite: MATH 1043 or MATH 1175

FORTRAN computer programming language. Emphasis on practical application and use of computer. Examples in business, mathematics, and science.

**CSC  
(Cisco)****CSC 2103 Tech Cisco I**

3 credits

Networking basics including computer hardware and software, electricity, networking terminology, protocols, Local Area Networks (LANs) and Wide Area Networks (WANs), Open System Interconnect (OSI) model, Ethernet, Internet Protocol (IP) addressing, design and documentation of basic network and structured cabling, and network-to-network communications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**CSC 2203 Tech Cisco II**

3 credits

Prerequisite: CSC 2103

Routers and routing including router user interfaces, components and configurations, basics of Internetworking Operating System (IOS) versions, naming and software backup, Transmission Control Protocol (TCP)/IP Protocol suite and IP addressing and subnetting, and interior routing protocols – Routing Information Protocol (RIP) and Interior Gateway Routing Protocol (IGRP). This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**CSC 2303 Tech Cisco III**

3 credits

Prerequisite: CSC 2203

Opportunities to understand switching and intermediate routing including switching and Virtual Local Area Networks (VLANs), spanning-tree protocol, routed and routing protocols, access control lists (ACLs), network documentation, and troubleshooting. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**CSC 2603 Tech Cisco IV**

3 credits

Prerequisite: CSC 2303

Opportunities to understand WAN technology basics including WAN devices, encapsulation formats, Point-to-Point Protocol (PPP) components, session establishment, authentication, Integrated Services Digital Network (ISDN) uses, services, configuration, and frame relay technology. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**ECED Courses  
(Early Childhood Education)****ECED 1013 Child Development Associate Training I**

3 credits: 3 hours lecture

A beginning introduction to early childhood, with emphasis upon scope, content, sequence, materials, methods and procedures and how these things work together to provide developmentally appropriate experiences for young children.

**ECED 1023 Child Development Associate Training II**

3 credits: 3 hours lecture

Prerequisite: ECED 1013 or permission of instructor

A continuation of Child Development Associate Training I, with emphasis upon scope, content, sequence, materials, methods and procedures and how these things work together to provide developmentally appropriate experiences for young children.

**ECED 1033 Pre-School Practicum**

3 credits: 3 hours lecture, 2 hours field experience

Prerequisite: ECED 1023 or permission of instructor

This course serves as an opportunity for students of Child Development Associate Training I and II to practice their skills and apply their knowledge.

**ECED 2103 Characteristics of Exceptionality**

3 credits: 3 hours lecture

Prerequisite: Admission to the Teacher Education

This course stresses the early identification and prevention of disabilities as well as the detection of at-risk and failure-to-thrive children by identifying characteristics of disabling situations that affect children at an early age. The importance of integrating these individuals, birth to age 8, with their non-disabled peers is explained and stressed. Offered: Fall.

**ECED 2213 Child and Language Development**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education Program

Designed to examine typical child development in physical, psychosocial, and cognitive domains with reference to the development of speech and language.

**ECED 2223 Developing Critical Literacy Skills**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education

Designed to improve candidates' understanding of interdisciplinary literacy skills with an emphasis on writing skills. Candidates will observe learners in field settings and will utilize technology through internet research and software analysis. Offered: Fall, Spring.

**ECED 3303 Strategies for Teaching Special Students**

3 credits: 3 hours lecture

Prerequisites: Admission to Teacher Education

Attention is given to the development of fine and gross motor skills, communication, cognition, adaptive behavior and psycho-social development through the study of curriculum, instructional procedures, and materials needed/used in developing and implementing IEP=s and IFSP=s of children, birth through age 8. Offered: Fall, Spring.

**ECED 3313 Classroom Management**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education Program

Promotes candidate understanding of how to create a positive school and classroom climate with appropriate discipline techniques. Study of personal discipline systems with theories, models, individual philosophies and personalities tailored to needs, traits, and social realities of diversity.

**ECED 3323 Assessing Young Children**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education

This course examines the technical and statistical characteristics of test selection, administration, and interpretation of assessment instruments and procedures appropriate for infants and preschool children. Offered: Fall, Spring.

**ECED 3353 Early Childhood Education: Planning, Curriculum, and Programming**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education

This course examines the roles, philosophies, and services of various professionals providing services to young children with disabilities; while a transdisciplinary approach is emphasized, other models, strategies and problem-solving approaches are also discussed in planning and developing programs for children birth through age eight. Offered: Spring.

**ECED 3403 Family and Community Relationships**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education

This course will prepare students to establish and maintain positive, collaborative relationships with families and to collaborate and consult with other professionals and with agencies in the larger community to support children's development, learning, and well-being. Offered: Spring.

**ECED 4333 Mathematics and Science for Young Children**

3 credits: 3 hours lecture

Prerequisites: Admission to Teacher Education Program; all required ECED courses

Corequisites: ECED 4343 and ECED 4363

Knowledge and understanding content and pedagogy of mathematics and science for children birth through age eight, including formal and informal concept development.

**ECED 4343 Literacy Acquisition and Development for Young Children**

3 credit: 3 hours lecture

Prerequisites: Admission to Teacher Education Program; all required ECED courses

Corequisites: ECED 4333 and ECED 4363

Knowledge, understanding and learning to communicate the developmental basis of literacy for children birth through age eight.

**ECED 4363 Language Arts and Social Studies for Young Children**

3 credits: 3 hours lecture

Prerequisites: Admission to Teacher Education Program; all required ECED courses

Corequisites: ECED 4333 and ECED 4343

Knowledge and understanding of content and pedagogy of language arts and social studies for children ages three through eight, including recognized standards for an integrated approach to language/literature and social studies.

**ECED 4603 P-4 Early Childhood Clinical Internship I**

3 credits: Clinical Practice

Prerequisite: Admission to Clinical Internship I

Corequisite: Appropriate content methods courses offered in major  
Clinical practice provides opportunities for candidates to develop and demonstrate knowledge, skills, and dispositions.

**ECED 463V P-4 Early Childhood Clinical Internship II**

15 credits: Clinical Practice

Prerequisites: Completion of Clinical Internship I; Admission to Clinical Internship II

Clinical practice provides opportunities for candidates to develop and demonstrate knowledge, skills, and disposition.

**ECON Courses  
(Economics)****ECON 1193 Personal Financial Economics**

3 credits: 3 hours lecture

An introduction to the basic terminology, concepts, and practices of personal financial economics. The course will provide a foundation for financial literacy and personal financial health. Topics to be covered include budgeting, spending, saving, use of credit, and investing.

**ECON 2203 Principles of Macroeconomics**

3 credits: 3 hours lecture

A study of economic principles at the macroeconomic level, including national output, the price level, unemployment, money and the banking system, and the government's effect on general business conditions. Offered: Fall, Spring, Summer.

**ECON 2213 Principles of Microeconomics**

3 credits: 3 hours lecture

A study of economic principles at the microeconomic level, including markets, consumer behavior, and the theory of the firm: production and cost behav-

ior, market structure, and cost and price determination. Offered: Fall, Spring, Summer.

**ECON 3453 Money, Banking, and Credit**

3 credits: 3 hours lecture

Prerequisites: ECON 2203 and ECON 2213.

Money systems and banking structure, negotiable and credit instruments, Federal Reserve System, monetary policy. Offered: Spring.

**ECON 479V Independent Study in Economics**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**EDUC Courses  
(Professional Education)**

**EDUC 1143 Education for Schools and Society: Developing Teacher Leaders**

3 credits: 3 hours lecture

Designed to provide candidates with a basic introduction to the historical, legal, social, and philosophical aspects of public education. Candidates will participate in service learning activities. Offered: Fall, Spring.

**EDUC 2233 Instructional Technology**

3 credits: 3 hours lecture

Prerequisite: EDUC 1143

Opportunity for candidates to explore the teaching and learning potential of current and emerging educational technology. Familiarizes candidates with the educational, communication, and collaborative advantages of incorporating online material into curricula.

**EDUC 2253 Needs of Diverse Learners in Inclusive Settings**

3 credits: 3 hours lecture

Prerequisite: EDUC 1143

Designed to provide candidates with a basic introduction to the cultural, socio-economic, emotional and special needs of all learners. Candidates will observe learners in field settings and will utilize technology through internet research and software analysis. Offered: Fall, Spring.

**EDUC 3203 Educational Psychology: Developing Learners**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education Program

Designed to provide an understanding of: (1) child growth and development, (2) styles of learning, and (3) theories of learning and motivation. Candidates will observe in public schools. Offered: Fall, Spring.

**EDUC 3563 Effective Instructional and Management Strategies**

3 credits: 3 hours lecture

Prerequisite: Admission to the Teacher Education Program

Designed to improve candidates' understanding of: (1) classroom management techniques, (2) state standards and curriculum frameworks, (3) assessment techniques, and (4) the integrated curriculum. Candidates will observe in public school field settings and will utilize technology through desktop publishing and graphics. Offered: Fall, Spring.

**EDUC 460V Clinical Internship I**

3-6 credits: Internship

Prerequisite: Admission to Clinical Internship I

Corequisite: Appropriate content methods course offered in major  
Clinical practice provides opportunities for candidates to develop and demonstrate knowledge, skills and dispositions.

**EDUC 4613 Education Field Study**

3 credits: 3 hours lecture

A field study consisting of travel, observation and study of diverse topics in the field of education. May be repeated for a maximum of 12 hours credit.

**EIT  
(Electromechanical Industrial Technology)**

**EIT 1704 Solid State/Analog Circuits**

4 credits

Prerequisites: ELT 1105 and MAT 1304

Theory and application of semiconductor devices including diodes, bipolar and field effect transistors, metal oxide devices, and amplifier gain and impedance characteristics. Power supplies, linear circuits, and servo-mechanisms are also covered. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EIT 2103 Industrial Electrical Motors/AC Drives**

3 credits

Prerequisite: ELT 1604

Prepares an individual to test and properly connect various types of single-phase and three-phase industrial electric motors including proper starting and running protection for installations. Entails wiring and programming variable frequency drive units to run electrical motors. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EIT 2306 Instrumentation**

6 credits

Prerequisites: IET 1203 and IET 1703, EIT 2804 and EIT 2405

Presentation of the four basic categories of instrumentation: pressure, flow, level, and temperature. Operation of primary sensing and transmitting elements such as controllers and recorders are covered. Practical applications utilize feed back control loops, feed forward control loops, direct digital control, and final control element selection with regard to reliability and fail safe operation. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EIT 2405 Programmable Controls**

5 credits

Prerequisites: CFA 1103 and ELT 1604

Corequisite: EIT 1704

Study of several programmable logic controllers (PLCs) including ladder logic and interfacing of sensors, actuation devices, and drives. Covers analyzing specified machine processes and determining PLC input and output requirements needed for proper process control, connecting appropriate sensors and drive mechanisms to interface PLC control with a machine process, creating and preparing a program for a given machine process that incorporates both automatic and single-step modes of operation, and entering a PLC program and demonstrating the proper operation of the process. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EIT 2613 DC Controls

3 credits

Prerequisite: ELT 1604

Study of applications for the industrial and commercial environments utilizing D.C. motors and D.C. controllers. Includes motor controller design, hookup, and troubleshooting. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EIT 2804 Basic Digital Technology

4 credits

Prerequisites: EIT 1704 and MAT 1304

Combination and sequential logic circuits including TTL and MOS logic families, number systems, codes, truth table analysis, Boolean expressions, flip-flops, counters, registers, arithmetic logic circuits, memories, multi-plexers, demultiplexers, clocks, displays, instruction sets, and digital to analog and analog to digital conversions. Additional reinforcement provided through lab work. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## ELT (Electromechanical Technology)

### ELT 1105 Fundamentals of Electricity

5 credits

Corequisite: MAT 1304 or approval of administration

Study of direct and alternating current fundamentals involving series, parallel, and combination circuits, capacitance, inductance, magnetic properties and circuits, and electrical test instruments as well as symbols, schematics, and transformer principles. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### ELT 1604 Industrial Circuits and Controls

4 credits

Prerequisites: ELT 1105 and MAT 1304 or approval of administration

Layout, planning, and installation of wiring systems in a commercial or industrial complex. Includes the practical application of fundamentals from prerequisite classes to install conduit and power distribution systems. Additional topics are operation of transformers, motor controls, and wiring and troubleshooting of electrical circuits involving primary, secondary, sequencing, and cascade control applications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## EMER (Emergency Medical Technology-Paramedic)

### EMER 1103 Paramedic Human Anatomy & Physiology

3 credits: 3 hours lecture

Prerequisite: Acceptance into the Paramedic Program

A basic course in human anatomy and physiology with an emphasis on structure and function of cells, tissues, organs, and systems in the human body to prepare the Emergency Medical Technology students to enter the paramedic field. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EMER 1117 Paramedic I

7 credits: 4 hours lecture, 3 hours lab

Prepares the emergency medical technician to perform advanced life support skills. Covers EMS systems, roles, responsibilities and well-being of the paramedic, injury and illness prevention, medical and legal issues, pharmacology, venous access and medication administration, therapeutic communications, life span development, airway management and ventilation, history taking, techniques of physical exam, patient assessment, clinical decision-making, communications and documentation, and rescue operation. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EMER 1124 Paramedic Clinical I

4 credits: 4 hours clinical

Concurrent Enrollment: EMER 1117

Supervised rotations in clinical settings. Emphasis on developing and improving skills including I.V. therapy, patient assessment, documentation, and incubation which reinforce classroom instruction. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EMER 1138 Emergency Medical Technician-Basic

8 credits: 8 hours lecture

The EMT-Basic course is an introductory study of emergency medical pre-hospital care and follows the national standard curriculum set forth by the Department of Transportation. Instruction includes standard of care, legal/ethical issues, and pre-hospital procedures and techniques performed during emergencies. Upon successful completion, the EMT candidate will meet the requirements to challenge the National Registry EMT-Basic examination. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EMER 2217 Paramedic II

7 credits: 7 hours lecture

Prerequisites: EMER 1117 and EMER 1124

Didactic and clinical experience in the pre-hospital management of acutely ill or seriously injured persons. Emphasis placed on pulmonary emergencies, cardiology, neurology, endocrinology, allergies and anaphylaxis, gastroenterology, renal/urology, toxicology, hematology, environmental conditions, behavior/psychiatric disorders, gynecology and obstetrics. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EMER 2224 Paramedic Clinical II

4 credits: 7 hours lecture

Prerequisite: EMER 1117 and EMER 1124

Supervised rotations in clinical settings. Emphasis on application of previous course work in the clinical environment including IM and subcutaneous injections during the current semester. Specific skills include IM and subcutaneous injections. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### EMER 2237 Paramedic III

7 credits: 7 hours lecture

Prerequisites: EMER 2217, 2224 and 2323

Didactic and laboratory experience in pre-hospital management of traumatically injured persons and age-specific injured and ill persons. Emphasis on infectious and communicable diseases, trauma, trauma systems and mechanisms of injury, hemorrhage and shock, soft tissue trauma, neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges and acute interventions

for the chronic care patient. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EMER 2244 Paramedic Internship I**

4 credits: 4 hours lecture

Prerequisites: EMER 2217 and EMER 2224

Emphasis on all practical skills learned in previous coursework including ACLS skills. Supervised experience in pre-hospital care settings. Emphasis on the application of previous course work in the field environment. Clinical setting will change from the hospital to an ambulance capable of delivering advanced life support. Initially the student will serve as an observer advancing to unit team leader. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EMER 2317 Paramedic IV**

7 credits: 7 hours lecture

Prerequisites: EMER 2237 and EMER 2244

Didactic and laboratory experience in the pre-hospital setting and operations. Emphasis on assessment based management, medical incident command, rescue operations and awareness, hazardous materials awareness and operations, exams reviews, final testing, and BLS Labs. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EMER 2323 Advanced Cardiac Life Support**

3 credits: 3 hours lecture

Concurrent Enrollment: EMER 2217 or by permission

Course is designed to meet the requirements for certification as advanced cardiac life support provider. Cognitive and performance standards of the American Heart Association are used. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**EMER 2334 Paramedic Internship II**

4 credits: 4 hours clinical

Prerequisites: EMER 2237 and EMER 2244

Supervised experience in pre-hospital care settings. Emphasis on application of previous course work in the field environment. The clinical setting will change from the hospital to an ambulance capable of delivering advanced life support. Initially the student will serve as an observer advancing to unit team leader. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## ENGL Courses (English)

**ENGL 0133 Fundamentals of English**

3 credits: 3 hours lecture

Fundamentals of basic grammar usage and writing skills stressing reading skills as a basis for effective writing.

NOTE: This course may not be counted toward a major or minor in English or toward the general education program or be taken for credit after achieving a "C" or better in any other English course.

**ENGL 1013 Composition I**

3 credits: 3 hours lecture

Prerequisite: Grade of "C" or above in ENGL 0133, satisfactory ACT score, or Dean's permission.

Writing course stressing reading skills as a basis for effective writing.

**ENGL 1023 Composition II**

3 credits: 3 hours lecture

Prerequisite: Grade of "C" or better in ENGL 1013 or Dean's permission

Writing course emphasizing reading skills as a basis for effective writing. Documented term paper is required.

**ENGL 1033 Honors Composition I**

3 credits: 3 hours lecture

Prerequisite: Minimum ACT composite score of 24 or Dean's permission

Writing course emphasizing reading and writing on a more sophisticated level than ENGL 1013. NOTE: Fulfills the General Education requirement for ENGL 1013. May not be taken for credit by students who have taken Freshman Composition I.

**ENGL 1043 Honors Composition II**

3 credits: 3 hours lecture

Prerequisite: ENGL 1033 or Dean's permission

Writing course emphasizing reading and writing on a more sophisticated level than ENGL 1023. NOTE: Fulfills the General Education requirement for ENGL 1023. May not be taken for credit by students who have taken Freshman Composition II.

**ENGL 2223 Introduction to Creative Writing**

3 credits: 3 hours lecture

Prerequisite: ENGL 1023

Laboratory/reading course that introduces students to the elements of writing fiction, poetry, and creative-nonfiction. Students submit manuscripts for analysis and criticism.

**ENGL 2263 Vocabulary Building**

3 credits: 3 hours lecture

Origins and growth of the English vocabulary, word-formation, semantics, meaning shifts, regional vocabulary, nomenclature, testing for verbal proficiency.

**ENGL 2283 Survey of World Literature I**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Major periods and writers from the Classical Age to the Renaissance.

**ENGL 2293 Survey of World Literature II**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Major periods and writers from the Renaissance to the present.

**ENGL 2303 Creative Nonfiction Writing**

3 credits: 3 hours lecture

Prerequisite: ENGL 1023 or ENGL 1043 or permission of Dean.

Writing and editing creative nonfiction prose, including the personal essay.

**ENGL 2323 Introduction to Literary Studies**

3 credits: 3 hours lecture

Prerequisite: ENGL 1023 or ENGL 1043 or permission of Dean.

Prepares students for upper division literature courses by introducing them to the terms, critical skills, and literary concepts useful for advanced literary study.



**ENGL 3253 Technical Writing**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Practice in preparing reports, letters, articles, and other forms of writing used in such professions as forestry, engineering, and management.

**ENGL 3333 Foliate Oak Practicum**

3 credits: 3 hours lecture/laboratory

Pre-requisite: ENGL 2223

Readings in contemporary literary/arts magazines and a practicum in editing and producing the UAM literary/arts magazine online. May be repeated for a total of 6 hours credit.

**ENGL 3343 The Bible as Literature**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

The books of the Old Testament and the Apocrypha as illustrating literary development and thought. The Bible as a source for drama, philosophical poetry, lyric poetry, essay, and story.

**ENGL 3403 American Literature I**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A survey of American literature from its beginnings to the 1860's.

**ENGL 3413 American Literature II**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A survey of American literature from the 1860's to 1960.

**ENGL 3423 British Literature I**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A survey of British literature from its beginnings to 1800.

**ENGL 3433 British Literature II**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A survey of British literature from 1800 to 1960.

**ENGL 3453 The Short Story**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Historical and thematic study of the short story.

**ENGL 3543 Creative Writing**

3 credits: 3 hours lecture

Prerequisites: ENGL 1023 and ENGL 2223

Laboratory/reading course in which students submit manuscripts for analysis and criticism.

**ENGL 3573 Literature for Adolescents**

3 credits: 3 hours lecture/seminar

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A seminar focusing on the teaching of literature for adolescents in the upper

elementary, middle, and high schools. This course is required for students pursuing a major in secondary English education with a teaching minor, but may not be used to satisfy General Education requirements or for credit toward an English major or minor.

**ENGL 3583 Critical Theory and Approaches to Literature**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

An introduction to major literary and critical schools of thought, including their historical developments and their practical applications.

**ENGL 4593 Introduction to Language Study**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Introduction to the study of the English language, including reading and discussion of its history, structure, regional and social variations, and its use in the modern world.

**ENGL 4613 The British Novel**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

The British novel from its beginning to World War II.

**ENGL 4623 Shakespeare**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Introduction to Shakespeare.

**ENGL 4633 The American Novel**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

The American novel from its beginnings to World War II.

**ENGL 4663 Modern Poetry**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Reading and interpretation of British and American poetry since 1900.

**ENGL 4683 Seminar in Writing: Special Topics**

3 credits: 3 hours lecture

Prerequisites: ENGL 1023 and ENGL 2223

An in-depth study of one of the major areas of writing such as fiction, nonfiction, poetry, autobiographical writing, business and professional writing, and advanced expository writing. May be repeated for a total of 6 credit hours with varying topics.

**ENGL 4703 Contemporary Writers**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Works by current authors, including the voices of women, persons of color, and writers of the post-colonial world.

**ENGL 4713 Literature of the South**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Novels, short stories, poems, and essays about the South from the Colonial Period to the present, including Southern folklore and black writers.

**ENGL 4723 Seminar in English**

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043  
Detailed study of one of the major areas of English, emphasizing assigned readings and individual research. May be repeated for a total of 12 credit hours with approval of the dean.

#### ENGL 4733 Minority Writers

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A survey of minority writers within the United States and abroad.

#### ENGL 4743 Film and Literature

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

A seminar designed to introduce the basics of cinema techniques and to encourage critical analysis of film as a literary genre.

#### ENGL 4753 Advanced Grammar

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Modern grammatical systems (traditional, structural, generative, transformational).

#### ENGL 4763 Advanced Composition

3 credits: 3 hours lecture

Prerequisite: Senior Standing or consent of Dean

Capstone course for English majors on literature track. Will include major research paper and compilation of a portfolio synthesizing the student's college career.

#### ENGL 479V Independent Study in English

Variable credit

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

#### ENGL 4903 Seminar in Teaching English

3 credits: 3 hours lecture

Prerequisites: ENGL 1013 or ENGL 1033 and ENGL 1023 or ENGL 1043

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophical development, test design and evaluation, and materials for on-site teaching.

### ENGR Courses (Engineering)

#### ENGR 1001 Introduction to Engineering

1 credit: 1 hour lecture

The profession of engineering, including the history of engineering and an explanation of selected branches of engineering. Assistance will be provided in preparing individual curricula and in executing the transfer to a degree-granting institution.

### ENTO Courses (Entomology)

#### ENTO 2283 Applied Entomology

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: BIOL 1143 and BIOL 1171; or BIOL 1153 and BIOL 1161; or BIOL 1063 and BIOL 1071

Destructive and beneficial species of insects and their effect upon agricultural enterprises.

### ESCI Courses (Earth Science)

#### ESCI 1051 Elements of Geology Laboratory

1 credit: 2 hours laboratory

Corequisite: ESCI 1063

Identification of minerals and rocks, introduction to maps, methodology of absolute and relative age dating. Introduction to structural geology.

#### ESCI 1063 Elements of Geology

3 credits: 3 hours lecture

Corequisite: ENGL 1013

Materials of the Earth's crust and the processes and agents that affect them; plate tectonics, earthquakes, volcanoes, and Earth history.

#### ESCI 1073 Earth and Atmosphere

3 credits: 3 hours lecture

Corequisite: ESCI 1081

Survey of the nature of the Earth's hydrosphere in terms of composition, origin, and physical processes; weather, climate, oceans, streams, groundwater, and glaciers.

#### ESCI 1081 Earth and Atmosphere Laboratory

1 credit: 2 hours laboratory

Corequisite: ESCI 1073

Exercises involving interpretation of oceanic data, methodology of collecting weather data, stream and groundwater flow problems.

#### ESCI 1123 Meteorology

3 credits: 3 hours lecture

Corequisite: ESCI 1131

Survey of the earth's atmosphere in terms of weather patterns and climate changes.

#### ESCI 1131 Meteorology Lab

1 credit: 2 hours laboratory

Corequisite: ESCI 1123

Exercises involving interpretation of weather and climate data.

#### ESCI 222V Field Geology

Variable credit

NOTE: May be repeated for a maximum of 3 hours credit.

Introduction to the methods of field investigation and interpretation of geological features. The purpose and scope of the course will vary from trip to trip.

#### ESCI 3473 Earth Resources

3 credits: 3 hours lecture

Prerequisite: ESCI 1063

Origin, classification, and distribution of the earth's economic minerals, rocks, water, and fossil fuels.

### ESCI 3493 Environmental Science

3 credits: 3 hours lecture

Prerequisite: 3 hours of biology or earth science

NOTE: Same as BIOL 3493

A survey of the environment to provide an understanding of and respect for the ecosystems upon which the human species is dependent. Fall offering in even-numbered years.

### ESCI 358V Natural History

Variable credit

Prerequisite: 3 hours biology or earth science

NOTE: May be taken for a maximum of 3 hours credit.

Same as BIOL 358V, FOR 358V, and WLF 358V.

A field course in geology and biology of natural ecosystems, consisting of travel, study, and/or research in unique natural areas of North America.

## EXSC Courses (Exercise Science)

### EXSC 1012 Concepts of Fitness

2 credits: 1 hour lecture, 1 hour laboratory

This course is designed to develop understanding in the conceptual knowledge of health and fitness in the development and maintenance of human wellness through theory and laboratory application. Offered: Spring.

### EXSC 2151 Methods of Teaching Water Exercise and Aerobic Dance

1 credit: 1 hour lecture, 1 hour laboratory

This course will give an overview of methods of teaching water exercise for special populations such as those with arthritis, orthopedic impairment, obesity, heart disease, and circulatory impairment as well as healthy populations who use water exercise for fitness. This would include both swimming and non-swimming activities. The aerobic dance portion of the class will involve aerobic dance teacher certification. Offered: Fall, Spring.

### EXSC 2163 Sport Entrepreneurship

3 credits: 3 hours lecture

An emphasis for such careers as fitness directors, athletic administrators, and sports and fitness facility directors will be included in this course. Students will gain insight into the operations and financial processes of sport and fitness programs at various levels. Offered: Spring.

### EXSC 3311 PACE Certification

1 credit: 2 hours laboratory

The student will learn proper procedure for teaching exercise to persons with arthritis. Offered: Fall, Spring.

### EXSC 3323 Strength and Conditioning

3 credits: 3 hours lecture/laboratory

This course will teach principles of strength, flexibility, agility, speed and endurance training and practical application of these in preparation for certification. Offered: Spring.

### EXSC 4503 Exercise Prescription

3 credits: 3 hours lecture

This course will give students the knowledge of how to prescribe and administer fitness exercise for normal populations and special populations such as those who are diabetic, arthritic, obese, have orthopedic impairment or neurological impairment or who are in cardiac rehabilitation. Offered: Fall.

### EXSC 4513 Exercise Certification Preparation

3 credits: 3 hours lecture

Prerequisite: Consent of instructor

Prepares students to take Aerobic Dance Certification, Strength Coach Certification, and Personal Trainer Certification. Offered: Spring.

### EXSC 4523 Geriatric/Therapeutic Internship.

A full semester of practical experience concerning the organization, administration, and daily operation of a geriatric/therapeutic facility. Offered: Fall, Spring.

### EXSC 4533 Sports Psychology

3 credits: 3 hours lecture

Principles of psychology as applied to sports and exercise. Topics covered include methods of performance enhancement and mental training, exercise adherence, violence in sports, effects of sports on children, team dynamics, and drug and steroid use among athletes.

### EXSC 4623 Community Recreation Internship

3 credits: 3 hours internship

The student will complete a nine-week internship in a senior adult rehabilitation setting and a nine-week internship in a youth fitness setting. Offered: Fall, Spring.

### EXSC 4683 Methods and Technology for Exercise Science

3 credits: 3 hours lecture

Methods of teaching in the areas of self-care, consumer awareness, nutrition and weight control, stress management, risk factor analysis and substance abuse. Offered: Fall.

### EXSC 4806 Internship--Wellness Facility

6 credits

A 200-clock-hour off-campus working experience in a wellness/health promotion facility approved by the intern supervisor. Offered: Fall, Spring.

## FIN Courses (Finance)

### FIN 3413 General Insurance

3 credits: 3 hours lecture

Fundamentals of insurance and their relationship to sound business administration. Offered: Fall.

### FIN 3473 Principles of Finance

3 credits: 3 hours lecture

Prerequisites: ACCT 2213, GB 2113, and ECON 2213 or AGECE 2273

Introduction to financial management and analysis, including such topics as the risk-expected return tradeoff, financial ratios, time value of money, computation of net present value, quantifying risk, diversification, capital budgeting, and cost of capital. Emphasis is placed on problem-solving. Offered: Fall, Spring, Summer.

### FIN 3483 Real Estate Principles

3 credits: 3 hours lecture

Prerequisites: ECON 2203 and ECON 2213 or AGECE 2273

Real estate values economics, financing; home ownership, rights in real proper-

ty and their transfer; problems of investment and management; regulations of real property and brokerage.

Offered: Fall

#### FIN 4603 Financial Policy and Planning

3 credits: 3 hours lecture

Prerequisites: FIN 3473 and GB 3233

Analysis of financial theories and practices, within a risk-return framework, as they relate to the financial decision-making process. Topics covered include working capital policy, capital structure, capital budgeting techniques. Offered: Fall.

#### FIN 4613 Investments

3 credits: 3 hours lecture

Prerequisite: FIN 3473

Principles and theories of security evaluations and analysis for professional and personal portfolio formation, including the risk-return trade-off, types of securities, market efficiency, interest rates, and speculative investments. Offered: Spring

#### FIN 4623 Topics in International Finance

3 credits: 3 hours lecture

Prerequisite: FIN 3473

This course covers, but is not limited to, globalization of financial markets, exchange rates, interest rate parity theory, international financial and capital structure decisions, international banking and its regulation, international financial institutions, international trade, and international law and policies affecting financial management of the multinational enterprise. Extensive use of problems and short application-oriented cases. Offered: Summer.

#### FIN 4683 Real Estate Finance

3 credits: 3 hours lecture

Real estate brokerage title closing, marketing, advertising, financing, and appraisal. Market analysis, property management, and real estate trends and outlook. Offered: Spring

### FOR Courses (Forestry)

#### FOR 1061 Introduction to Forestry

1 credit: 3 hours laboratory

Overview of the forestry profession using field trips to observe and discuss forestry related activities, and projects to help students better understand their role as professional foresters. Offered: Fall

#### FOR 2022 Financial Analysis in Natural Resources

2 credits: 2 hours lecture

Prerequisites: MATH 1033 or MATH 1175, Sophomore Standing

Application of basic financial principles in the analysis of projects in natural resources. Topics include interest, basic financial formulas, financial decision criteria, marginal analysis, inflation, risk, and capital theory. Offered: Spring.

#### FOR 2033 Forest Soils

3 credits: 3 hours lecture

Prerequisites: MATH 1043; CHEM 1023 and CHEM 1031 or CHEM 1103 and CHEM 1121

Fundamentals of soil science with application to forestry. Origin, development, and properties of soils related to soil productivity. Offered: Spring.

#### FOR 2041 Forest Soils Laboratory

1 credit: 3 hours laboratory

Prerequisites: MATH 1043; CHEM 1023 and CHEM 1031 or CHEM 1103 and CHEM 1121

Identification and characterization of soils with emphasis on the recognition and quantification of soil properties that influence forest productivity. Offered: Spring

#### FOR 2071 Forest Measurements Laboratory

1 credit: 3 hours laboratory

Prerequisites: MATH 1033 or MATH 1175 and CIS 2223

Corequisite: FOR 2273

Application and field practice of forest measurement techniques. Tree, log, and stand-level measurement of forest, forest product, wildlife, and social attributes; statistical computing and sampling methods. Offered: Spring.

#### FOR 2231 Dendrology Laboratory I

1 credit: 3 hours laboratory

Field practice in the identification, nomenclature, classification, and ecology of local flora in the summer and fall condition. Emphasis on leaf and bark characters. Offered: Fall.

#### FOR 2273 Forest Measurements

3 credits: 3 hours lecture

Prerequisite: MATH 1033 or MATH 1175

Corequisite: FOR 2071

Description of tree, log, and stand-level components of forests and forest products; log rules and scaling practices; surveying and land description; introduction to summary statistics. Offered: Spring.

#### FOR 2291 Dendrology Laboratory II

1 credit: 3 hours laboratory

Prerequisite: FOR 2231

Note: A one- or two-day field trip is required.

Species native to Arkansas and southern forests with emphasis on twig, fruit, and winter/spring identification. Limited exposure to exotic species of national interest and occurring in Monticello. Special field trips to view some of Arkansas' threatened and endangered plant species. Offered: Spring.

#### FOR 2304 Forest Inventory

4 credits: 4 weeks during Summer Camp

Prerequisites: FOR 2071, 2273 and 2291

Application and field practice of forest inventory techniques. Estimation of timber and non-timber forest resource attributes through prevailing inventory methods and statistics. Offered: Summer I.

#### FOR 2342 Natural Resource Recreation

2 credits: 2 hours lecture

Prerequisite: Sophomore Standing

NOTE: Two weekend field trips required.

Theoretical foundations of recreation and leisure, including history, current patterns, and future trends; fundamentals of recreation planning and programming; recreation based education programs and impacts of recreational uses on forested ecosystems. Offered: Fall.

#### FOR 3123 Human Dimensions in Natural Resources

3 credits: 3 hours lecture

Prerequisites: PSY 1013 or SOC 2213 and Junior Standing

NOTE: Two weekend field trips required.

NOTE: Same as WLF 3343

Foundations of human dimensions as it relates to natural resources and natural resource management. Includes the history, current trends, and future

of human dimensions as a discipline. Stresses the management, leadership, and problem solving skills necessary to manage the human relations/natural resource interface. Offered: Fall.

#### FOR 3353 Biometrics in Natural Resources

3 credits: 2 hours lecture, and 3 hours laboratory

Prerequisites: MATH 1043, MATH 1033

Collection and analysis of data, probability, frequency distributions, measures of central tendency and dispersion, estimation of parameters, least squares, linear and nonlinear regression, chi-square, analysis of variance and covariance. Emphasis on hand- and software-based statistical computations. Offered: Spring.

#### FOR 3371 Silvics

1 credit: 1 week during Summer Camp

Prerequisite: Junior Standing

Corequisite: FOR/WLF 3333

Introduction to the ecology of the principal trees likely to be encountered during the field trips in Contemporary Forest Resource Issues. Offered: Summer I.

#### FOR 3434 Silviculture

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: FOR 2071, 2273, 2291 and FOR 3513 or BIOL 3484

Application of ecological principles in controlling forest establishment, composition, and growth. Detailed study of individual cultural treatments that maintain and enhance productivity of forest stands, and of regeneration methods whereby forest stands are harvested and renewed. Offered: Spring.

#### FOR 3513 Forest Ecology

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FOR 2033 and FOR 2273, Junior Standing

Introduction to the role of ecology and ecological concepts in forest management; emphasizing ecosystems, energy and nutrient cycling, abiotic/biotic influences on ecosystem development and forest productivity. Offered: Fall.

#### FOR 3523 Tree Ecophysiology and Herbicides

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: BIOL 1143 and BIOL 1171

Aspects of tree growth, development, and physiological processes as affected by the environment. Herbicide nomenclature, classification, application and degradation, and how they affect plant physiological processes. Offered: Fall.

#### FOR 3562 Contemporary Forest Resource Issues

2 credits: 2 weeks during Summer Camp

Prerequisite: Junior standing

Introduction to major resource issues, emphasizing field presentations of timber and non-timber forest resource management themes in both pine and hardwood ecosystems. Two one-week field trips required. Offered: Summer I.

#### FOR 358V Natural History

Variable credit

Prerequisite: 3 hours biology or 3 hours earth science

NOTE: May be taken for a maximum of 3 hours credit.

Same as BIOL 358V, ESCI 358V, and WLF 358V.

A field course in geology and biology of natural ecosystems, consisting of travel, study, and/or research in unique natural areas of North America. Offered: On demand.

#### FOR 3592 Forest Hydrology

2 credits: 1 hour lecture, 3 hours laboratory

Prerequisites: FOR 2071, 2273 and FOR 2033 or AGRO 2244

NOTE: One weekend field trip is required.

Basic processes and measurements of water distribution and movement in forests with emphasis on forest management effects on water quantity, quality, and water-related resources. Offered: Spring.

#### FOR 378V Undergraduate Research

Variable Credit

Prerequisites: Research proposal approved by the Dean and the instructor

NOTE: May be repeated for a maximum of 6 hours of credit

Literature search and laboratory or field work on individual research projects.

Written and oral reports required. Requirements are documented in the Undergraduate Education Handbook. Offered: On demand.

#### FOR 3804 Forest Operations and Fire

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: MATH 1043 or MATH 1175; and Junior standing

Principles of harvesting and other forestry operations. Quantitative approach to production and cost analysis. Role of fire in forest management, fire behavior, prescribed burning and smoke management, and wildfire suppression strategies and methods. Offered: Fall.

#### FOR 4003 Natural Resource Policy

3 credits: 3 hours lecture

Prerequisite: Senior standing

NOTE: Same as WLF 4003

History and present status of natural resource-related policy in the U.S. Evolution of public and professional attitudes toward natural resources, major laws affecting management of public and private lands, policy-making processes, and professional ethics. Study of major policy issues affecting renewable natural resources and procedures for responding to those issues in management decision-making. Topics include individual and group involvement in natural resource planning, environmental issues, and regulation of forestry practices. Offered: Fall.

#### FOR 410V Forest Enterprise

Variable Credit: 1 to 3 hours lecture

Prerequisites: Junior standing in Forestry, SIS, or Wildlife Management, or consent of instructor

Emphasizes support provided to forest resource management on private non-industrial lands. Provides increased understanding of non-industrial private forests (NIPF), landowners, and agencies working on NIPF management issues. The course is reading and discussion intensive. Guest speakers will present their perspectives throughout the semester. Students may register for one hour (Consulting Forestry), two hours (Consulting Forestry and Government Agencies) or three hours (Consulting Forestry, Government Agencies and non-government Agencies). Offered: Spring.

#### FOR 4113 Regional Silviculture

3 credits: 3 hours lecture

Prerequisite: FOR 3434

Ecology and silviculture of various forest cover types throughout the United States. Offered: On demand.

#### FOR 4362 Wood Structure and Forest Products

2 credits: 1 hour lecture, 3 hours laboratory

Prerequisite: FOR 3434

Structure and properties (physical and mechanical) of wood; identification and uses of different species; forest products from wood, primary and secondary

processing as well as residue utilization. Offered: Spring.

**FOR 4684 Natural Resource Economics and Management**  
4 Credits: 3 hours lecture, 3 hours laboratory

Prerequisites: ECON 2213, FOR 2022, 3434, 3353, MATH 1073

Students will learn how markets distribute goods and services from forest resources, situations where natural resource markets fail, and how interventions attempt to guide the distribution of natural resources to society. Students will integrate silviculture, finance, mensuration, and human dimensions in the understanding and development of stand-level and forest-level planning and management. Offered: Fall.

**FOR 4691 Seminar**

1 credit: 1 hour lecture

Prerequisite: Senior Standing

NOTE: Same as WLF 4691

Emphasizes the planning, organizational, and audio/visual computer skills necessary for delivering professional presentations. Oral presentations to students, staff and faculty. Offered: Spring.

**FOR 4703 Cooperative Education in Forestry**

3 credits

Practical training with a public agency or industrial firm. Written report required for each work experience. Requirements documented in Cooperative Education Handbook. Offered: On demand.

**FOR 4733 Forest Pest Management**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisite: FOR 3434

Biology, ecology, and management of disease and insect pests of southern forests. Laboratory work includes adult insect and pest damage collections. Offered: Fall.

**FOR 475V Advanced Topics**

Variable credit

Prerequisites: Junior standing, consent of instructor, and approval of Dean.

Lectures and discussions in selected forestry topics. Offered: On demand.

**FOR 4773 Hardwood Silviculture**

3 credits: 2 hours lecture, 3 weekend field trips

Prerequisite: FOR 3434

Theory and practice of integrating silvicultural treatments into functional silvicultural systems for bottomland and upland hardwood forest ecosystems. Emphasis on decision-making to satisfy both consumptive and non-consumptive resource uses. Offered: On demand.

**FOR 479V Independent Study in Forestry**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description. Offered: On demand.

**FOR 4823 Integrated Resource Planning and Management**

3 hours: 9 hours laboratory

Prerequisites: FOR: 3434, 4003, 4684, 4733 and SIS 3814

NOTE: Same as WLF 4823

Integrated problem solving to apply biological, ecological, quantitative, economic, social, political, and administrative principles in solving natural resource management problems. Offered: Spring.

## FREN Courses (French)

**FREN 1003 Elementary French I**

3 credits: 3 hours lecture

Basic language skills including listening, speaking, reading, and writing with emphasis on grammatical structures and aural-oral practice.

**FREN 1013 Elementary French II**

3 credits: 3 hours lecture

Prerequisite: FREN 1003

Continued study of basic language skills including listening, speaking, reading, and writing with emphasis on grammatical structures and aural-oral practice.

**FREN 2203 Intermediate French I**

3 credits: 3 hours lecture

Prerequisite: FREN 1013

Grammar, vocabulary, and basic idiomatic expressions.

**FREN 2213 Intermediate French II**

3 credits: 3 hours lecture

Prerequisite: FREN 2203

Continued study of grammar, vocabulary, and basic idiomatic expressions.

**FREN 3223 Intermediate Reading**

3 credits: 3 hours lecture

Prerequisite: FREN 2203

Course in detailed reading of French and Francophone poetry and short stories with an emphasis on reviewing grammar and acquiring new vocabulary and idioms.

**FREN 3403 Intermediate Conversation**

3 credits: 3 hours lecture

Prerequisite: FREN 2203

Intensive oral practice allowing students to become more comfortable with expressing themselves in the target language. Course is designed to further develop listening comprehension and speaking capabilities through a continued expansion of grammar and vocabulary by employing various mediums: song, literature, periodicals, film, Internet, and the like.

**FREN 3413 French and Francophone Civilization and Culture**

3 credits: 3 hours lecture

Prerequisite: FREN 2203

Survey of the main points in French and Francophone history, civilization, and culture from early French kingdoms through colonization to contemporary issues. Examining both major national events and the major world influences that developed from the French effect on the globe.

**FREN 3423 Intermediate Grammar and Composition**

3 credits: 3 hours lecture

Prerequisite: FREN 2213

Writing course which will continue to address problematic areas in the French language by more precise review of advanced grammar topics. Students will learn to properly express themselves in French by writing compositions which inform, persuade, give an opinion, and the like.

**FREN 3433 Survey of French Literature I**

3 credits: 3 hours lecture

Prerequisite: FREN 2203, FREN 2213

Literature by periods from its beginnings to the end of the 18th century.

**FREN 3443 Survey of French Literature II**  
3 credits: 3 hours lecture  
Prerequisite: FREN 2203, FREN 2213  
Literature from the 19th century to the present.

**FREN 4613 Advanced Composition**  
3 credits: 3 hours lecture  
Advanced French translation and free composition. Emphasis on literary style and building new vocabulary.

**FREN 4653 Seminar in French Literature**  
3 credits: 3 hours lecture  
Prerequisite: FREN 3433 or FREN 3443 or instructor=s permission.  
Emphasis on literary analysis and interpretation of major authors of a given century and work characteristics of various movements of that century.

**FREN 479V Independent Study in French**  
Variable credit  
Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **G B Courses (General Business)**

**G B 1023 Introduction to Business**  
3 credits: 3 hours lecture  
Business activities, business position in general economic framework; survey of courses in production, personnel, marketing, finance, managerial control, and government relations. Offered: Spring

**G B 1033 Elementary Computer Keyboarding**  
3 credits: 3 hours lecture  
Knowledge and operation of computer keyboards. Preparation of simple business documents; development of a competent rate of speed.

**G B 2103 Administrative Support Procedures**  
3 credits: 3 hours lecture  
Development of a professional image and goals; development of a knowledge of computerized administrative tasks performed by office support personnel in the electronic office; specific training in areas such as travel, communications, and report preparation. Some hands-on computer procedures such as how to maintain a calendar, update a telephone list, handle electronic mail, complete an expense report, use file transfer, and make domestic and international travel arrangements.

**G B 2113 Business Statistics I**  
3 credits: 3 hours lecture  
Prerequisite: MATH 1003 or MATH 1043  
Statistical theory and methodologies necessary for data collection, analysis, and interpretation. Statistical topics include descriptive statistics, sampling, and probability; normal, binomial, and Poisson distributions; interval estimation and hypothesis testing.

**G B 2153 Intermediate Computer Keyboarding**  
3 credits: 3 hours lecture

Prerequisite: Keyboarding ability  
Development of proficiency in preparation of business letters, reports, tabular material, and forms. Development of a competent rate of speed and proof-reading ability.

**G B 2273 Word Processing**  
3 credits: 3 hours lecture  
Prerequisite: Keyboarding ability  
Basic concepts of word processing systems; language arts skills as applicable to the processing of documents; development of skills in preparing and revising business documents using microcomputers equipped with commercial software.

**G B 2553 Advanced Computer Keyboarding**  
3 credits: 3 hours lecture  
Prerequisite: G B 2153  
An intensive course consisting of a variety of "mini-simulations" designed to build confidence and a productive level of speed in preparing office documents.

**G B 3043 Business Communications**  
3 credits: 3 hours lecture  
Prerequisite: Keyboarding ability  
Composition and preparation of a variety of effective business letters, including good news, requests, refusals, collections, sales, and employment letters. Correct and concise use of English is stressed. Offered: Fall, Spring, Summer

**G B 3203 Desktop Publishing**  
3 credits: 3 hours lecture  
Prerequisite: G B 2273  
Advanced concepts of word processing systems; production of high volume, high quality documents; techniques of combining text and graphics to produce publications.

**G B 3233 Business Statistics II**  
3 credits: 3 hours lecture  
Prerequisite: GB 2113 or PSY 2203  
Statistical topics include non-parametric statistics, ANOVA, MANOVA, simple and multiple linear regression, and statistical process control.

**GB 3301 Teaching of Business Subjects**  
1 credit: 1 hour lecture  
Prerequisite: Consent of instructor  
Materials and methods of teaching secondary business subjects. Methods course. Does not count toward subject matter area.

**G B 3353 International Business**  
3 credits: 3 hours lecture  
International business is examined from the perspective of three business areas: economics, management, and marketing. The initial third of the course examines the economics of international trade. The remaining two-thirds of the course will focus on management and marketing in the international environment. Offered: Spring, Summer

**G B 3443 Special Topics**  
3 credits: 3 hours lecture  
Prerequisite: Consent of instructor and approval of school dean  
Topics vary in accordance with students' demands. Presentation form may vary with each offering. Course may be repeated when different topics are

presented.

**G B 3533 Legal Environment of Business**

3 credits: 3 hours lecture

An introduction to law, its relation and effect upon society, business and the individual. Topics include business ethics, the federal and state judicial systems, administrative law, business crimes, torts, contracts, sales, agency relationships, consumer protection, and environmental and pollution regulations. Offered: Fall, Spring, Summer

**G B 4363 Topics in E-Commerce**

3 credits: 3 hours lecture

Prerequisites: MGMT 3473 and MKT 3403

This class concentrates on the organizational structure and design, operational, strategic, and marketing issues involved in e-commerce. Familiarity with the Internet and web browsers is assumed. Extensive use of cases as well as project(s) dealing with e-commerce models and the use of the Internet as an information medium. This course does not cover web site design, except as related to security of customer information, site ease of use, and related topics. Offered: Fall.

**G B 463V Internship**

1-3 credits

Prerequisite: completion of 21 hours in the School of Business and prior approval of the Dean of the School of Business and advisor.

Note: May be taken/repeated for maximum of 3 hours of credit

Professional quality experience in the student's major field for a fixed period of time and conforming to standards established by the Dean of the School of Business. Internships must be arranged in advance of the semester in which the credit for the internship will be granted. Follow-up will consist of student journals, reports, and employer evaluations.

**G B 479V Independent Study in General Business**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **GEOG Courses (Geography)**

**GEOG 2213 General Geography I**

3 credits: 3 hours lecture

Introduction to the developed regions of Europe, North America, and Australasia. Includes landforms, climates, economic activities, languages, religion and ethnicity.

**GEOG 2223 General Geography II**

3 credits: 3 hours lecture

Introduction to the developing regions of Latin America, Africa and Southwest Asia. Includes landforms, climates, economic activities, languages, religion, and ethnicity.

**GEOG 354V Field Course**

Variable credit

Tour of a designated area in the United States or abroad. Includes observation and interpretation of cultural and physical characteristics of the area. Offered: on demand.

**GEOG 479V Independent Study in Geography**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **HEO Courses (Heavy Equipment Operation)**

**HEO 1708 Heavy Equipment I**

8 credits: 8 hours lecture

Heavy Equipment I provides required information for the use, maintenance, and safety of heavy equipment. Also integrates employability skills necessary for the job market. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**HEO 1715 Heavy Equipment II**

5 credits: 5 hours lecture

Prerequisite: HEO 1708

Heavy Equipment II provides required information for the introduction to earth moving, safety of heavy equipment and operation of bulldozers. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**HEO 172V Construction Equipment I**

10 credits: 6 hours lecture, 4 hours field work

Corequisite: HEO 1708

Construction Equipment I provides classroom and hands-on training in blueprint reading, soils, grades and the dump truck/tractor. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**HEO 173V Construction Equipment II**

13 credits: 9 hours lecture, 4 hours field work

Prerequisites: HEO 1708 and HEO 172V

Corequisite: HEO 1715

Construction Equipment II provides classroom and hands-on training in soils, grades, front end loader, scrapers, telescoping excavator, motor graders, excavators/backhoes. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**HEO 174V Timber Equipment II**

13 credits: 6 hours lecture, 4 hours field work

Prerequisite: None

Corequisite: HEO 1708 Heavy Equipment I

Timber Equipment I provides classroom and hands-on training in map reading and land location, tree cutter, skidder/loader and forestry and governmental regulations. This course may be transferrable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.



### HEO 175V Timber Equipment II

13 credits: 9 hours lecture, 4 hours field work

Prerequisite: HEO 1708 and HEO 174V

Corequisite: HEO 1715

Timber Equipment II provides classroom and hands-on training in cut-to-length harvesters, basic hydraulics, forwarders, and timber production. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## HIST Courses (History)

### HIST 1013 Survey of Civilization I

3 credits: 3 hours lecture

Civilization to 1660. European and world development emphasizing cultural, economic, religious, and political changes. Some attention is given to non western civilization.

### HIST 1023 Survey of Civilization II

3 credits: 3 hours lecture

European and world development from 1660 to the present, emphasizing cultural, economic, religious, and political changes. Some attention given to nonwestern civilization.

### HIST 2213 American History I

3 credits: 3 hours lecture

The growth of the United States from the discovery of America to 1876.

### HIST 2223 American History II

3 credits: 3 hours lecture

The United States from 1876 to the present.

### HIST 3403 Emergence of Modern Europe

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

The evolution of Europe in the 17th and 18th centuries, the French Revolution, Napoleon.

### HIST 3423 Britain

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

British history with emphasis on political, constitutional, and imperial institutions.

### HIST 348V Field Course

Variable credit

A field course consisting of travel, observation, and study of selected historic sites.

### HIST 349V Seminar in World History

Variable credit

Prerequisites: HIST 1013 and HIST 1023

A selected period or topic with extensive readings, acquaintance with source material, and class discussion. Not to exceed 3 credit hours per semester. May be repeated for up to 12 hours.

### HIST 3503 Middle East and North Africa

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

From the Prophet Muhammad (6th century A.D.) to the present; emphasis on the development of Islamic culture from the 7th to the 13th centuries, the Ottomans, and the last 150 years.

### HIST 3513 Historiography and Historical Methods

3 credits: 3 hours lecture

Prerequisites: HIST 1013, 1023, 2213, and HIST 2223

A study of history as a discipline, how historians use primary sources, and major schools of historical interpretation.

**HIST 3523 Modern Europe**

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

Major political, social, and economic developments in Europe since 1815.

**HIST 3543 American West**

3 credits: 3 hours lecture

Prerequisites: HIST 2213 and HIST 2223

The westward movement in American history, with emphasis upon the social, economic, and political influence of the frontier in American life.

**HIST 3553 Africa**

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

The entire continent from earliest times through the present; emphasis on the continuity of African civilization through the first independent period, colonialism, and the second independent period.

**HIST 3563 Russia**

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

Kievan and Appanage Russia, the rise of Moscow, the Age of St. Petersburg, the Soviet Age.

**HIST 3573 Colonial America**

3 credits: 3 hours lecture

Prerequisites: HIST 2213 and HIST 2223

European exploration and settlement in the New World, the War of Independence, and the creation of the United States.

**HIST 3583 Latin America**

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

Evolution of Latin America from the PreColumbian epoch through the contemporary period with an emphasis on political, social, and economic developments.

**HIST 3593 Arkansas History**

3 credits: 3 hours lecture

Prerequisite: HIST 2213 or HIST 2223

Social, political, and economic evolution of Arkansas from the Spanish and French explorations to the present.

**HIST 4603 Modern America, 1900-1945**

3 credits: 3 hours lecture

Prerequisites: HIST 2213 and HIST 2223

The Progressive Movement, World War I, the Roaring Twenties, the Great Depression, the New Deal, and World War II.

**HIST 4613 Recent America, 1945-Present**

3 credits: 3 hours lecture

Prerequisites: HIST 2213 and HIST 2223

The Cold War, Korea and Vietnam, the civil rights movement, the dissenting sixties, and presidential administrations since World War II.

**HIST 4623 East Asia**

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

Study of the civilizations of China and Japan with emphasis on the last two hundred years.

**HIST 4653 American Civil War and Reconstruction**

3 credits: 3 hours lecture

Prerequisites: HIST 2213 and HIST 2223

Military history, weapons, tactics, strategy, and key campaigns; Reconstruction and its effects.

**HIST 466V Seminar in American History**

Variable credit

Prerequisites: HIST 2213 and HIST 2223

Selected period or topic with extensive readings, acquaintance with original source material and class discussions. Not to exceed 3 hours credit per semester. Can be repeated for up to 9 hours credit.

**HIST 4673 Mexico**

3 credits: 3 hours lecture

Prerequisites: HIST 1013 and HIST 1023

Political, economic, and social developments in the history of Mexico from early civilizations through the modern era.

**HIST 479V Independent Study in History**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**HOEC Courses  
(Early Childhood Education)**

**HOEC 1013 Tech Health, Safety, and Nutrition**

3 credits: 3 hours lecture

Health and safety requirements for licensed childcare facilities, staff/child ratios, characteristics of a safe childcare center, safety rules, hygiene practices, emergency procedures, health records, medications, basic first aid procedures, strategies for care of ill children, environmental conditions, and climate control guidelines. Identification of agencies that assist childcare facilities with health and safety. Ways of providing food service in childcare facilities, food service equipment, health department guidelines, budgeting food costs, food vendors, food programs for childcare centers, inventory, storage, safety/sanitation procedures, and arrangement/maintenance of the food service area. Management techniques for feeding infants, toddlers, pre-school, and school age children. Nutritional concerns, specific eating behaviors, and emergency procedures for choking. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**HOEC 1023 Tech Childcare Practicum I**

3 credits: 3 hours lecture

Identification of childcare career ladders, job availability, types of childcare settings, routines and procedures to use in the child development lab, roles and responsibilities of caregivers, observation/assessment techniques, professional ethics, and legal issues in child care. Supervised teaching assignments in a variety of childcare settings. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**HOEC 1063 Tech Introduction to Early Childhood Education**

3 credits: 3 hours lecture

Overview of the field of early childhood care and education: history, current research, what constitutes best practice and quality environments and the interrelation of these concepts with inclusive settings. The course reviews professionalism in the field: ethics, the commitment to being a life-long learner, Arkansas's Early Childhood Professional Development System - the Registry and Spectrum, and laws and regulations regarding early care and education including those for early childhood special education. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 1113 Tech Curriculum Development for Infants and Toddlers

3 credits: 3 hours lecture

Focuses on planning and implementing an enriching environment with appropriate interactions and activities for infants and toddlers including those with special needs, for the purpose of advancing all domains of growth and development. Competencies are based on goals developed by the National Association for the Education of Young Children for quality early childhood settings. Also included: particular information on the Quality Approval process and Accreditation for Infant and Toddler settings in Arkansas; Arkansas Frameworks for Infants and Toddlers; and CDA competencies for the National Council on Professional Development's Infant and Toddler CDA credential. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2033 Tech Child Care Practicum II

3 credits: 3 hours lecture

Planning, implementing, and evaluating directed experiences with children in group settings and with parents. Study of guidance techniques, interpersonal communication skills, observation and recording methods, problem solving techniques, and characteristics of quality childcare. Guidelines for portfolio development. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2073 Tech Child Guidance

3 credits: 3 hours lecture

Study of goals of guidance, direct/indirect guidance observation guidelines/interpretation, conflict between children, reasons for problem behavior, times of behavioral stress, techniques for dealing with misbehavior, and discipline alternatives. Guidelines for establishing and enforcing rules in the child care setting. Techniques to promote self-direction/control by the child. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2083 Tech Observation and Assessment in Early Childhood Education

3 credits: 3 hours lecture

Designed to address the quality early childhood education training program National Association for the Education of Young Children's Core Standard 3: Observing, Documenting and Assessing to support Young Children and Families. The course, which is used to address systematic observations, includes documentation and other effective assessment strategies in a developmentally appropriate way as well as the goals, benefits, and uses of assessment. Also included: rationale for, and ways to, develop partnerships with families and other professionals to positively influence children's development. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2093 Tech Curriculum Development for Preschool

3 credits: 3 hours lecture

Focuses on planning and implementing an enriching environment with ap-

propriate interactions and activities for preschool children including those with special needs, to maximize physical, cognitive, communication, creative, language/literacy, and social/emotional development. Competencies are based on goals developed by the National Association for the Education of Young Children for quality early childhood settings. Also included: particular information on the Quality Approval process and Accreditation for Preschool settings in Arkansas; Arkansas Frameworks for Preschool; and CDA competencies for the National Council on Professional Development's Preschool CDA credential. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2103 Tech Methods and Materials for Early Childhood Education (birth through five)

3 credits: 3 hours lecture

Provides information on development, selection, use, care, storage, and inventory guidelines of media, materials, and equipment in early childhood settings, as well as methods to address different learning styles, ages and abilities. Provides students with hands-on experiences in developing, implementing and evaluating the effectiveness of different methods and materials in a variety of settings. Assignments include an activities notebook and the development of a methods and materials file for inclusion in a professional portfolio. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2143 Tech Childcare Program Planning

3 credits: 3 hours lecture

Types of childcare programs and characteristics of each. Steps in planning a child care program and design of a program plan for student's specialty area. Analysis of quality indicators of childcare programs. Lesson planning, instructional techniques, assessment techniques, facility management, scheduling, curriculum implementation, motivation of staff and children, involvement of parents, community resources, use of technology and evaluation of program components. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2153 Tech Child Development

3 credits: 3 hours lecture

Study of ages/stages of development, developmental areas, heredity and environmental influences on child growth and development, basic needs of children, developmental disabilities, and personality differences. Stimulation activities to promote language development, motor development, and socialization/self esteem. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

HOEC 2173 Tech Children With Special Needs

3 credits: 3 hours lecture

Introduction to understanding and accommodating young children with special needs in group settings. Includes an introduction to the nature of specific disabilities, useful teaching strategies, planning and intervention issues in daily activities, and an approach to working with parents, para-educators, and specialists. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## HORT Courses (Horticulture)

HORT 2443 Principles of Horticulture

3 credits: 2 hours lecture, 2 hours laboratory

NOTE: Extended field trips required in addition to regular lab hours.  
Principles of growth, fruiting habits, propagation, production, handling, and culture of horticulture plants.

#### HORT 4663 Vegetable Crops

3 credits: 2 hours lecture, 2 hours laboratory

Principles underlying methods of vegetable crop production and handling related to yield and quality of the product.

#### HORT 479V Independent Study in Horticulture

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description

## HOSP (Hospitality Services)

#### HOSP 1013 Hospitality, Travel, and Tourism

3 credits: 3 hours lecture

A survey of the hospitality industry, comprising food, lodging, tourism, and recreation. Students will learn about structure, nature and operating characteristics of these different sectors. Provides thorough, current knowledge of the principles and practices of the hospitality industry and its economic, social, cultural, and environmental impacts. Opportunities, responsibilities, concerns, and ethics of a career in hospitality, travel and/or tourism. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1023 Safety and Sanitation

3 credits: 3 hours lecture

Introduces students to principles of sanitation, cleaners/sanitizers, sanitary equipment and sanitary control facility design in lodging and food processing operations. Upon successful completion of this course, students will be prepared to earn ServSafe™ national certification which is a prerequisite for employment in most foodservice businesses. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1033 Hospitality Customer Service Relations

3 credits: 3 hours lecture

Practical skills and knowledge necessary for the effective operation of hospitality services. Topics include reservations, greetings, etiquette, and service of guests, styles of service, handling complaints, responsibilities and sales and merchandising. Students develop effective reasoning, communication, decision-making, and interpersonal skills. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1043 Introduction to Hospitality Operations

3 credits: 3 hours lecture

History and development of the hospitality industry which comprises food, lodging, tourism, and recreation. An introduction to principles and concepts in the service industry and career opportunities in the field. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1054 Basic Food Preparation

4 credits: 2 hours lecture, 2 hours laboratory

Prerequisite: HOSP 1023

Principles, techniques and theories of food production, which includes the introduction, use, and selection of equipment. A variety of cooking methods and

techniques using commercial food production tools and equipment including basic knife skills. Sanitation and safety principles are reinforced. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1064 Principles of Lodging Operations

4 credits: 3 hours lecture, 1 hour laboratory

Prerequisite or Corequisite: HOSP 1023

Basic knowledge and procedures involved in the areas and departments representative of lodging operations. Includes other lodging services topics such as salesmanship, reservation and registration procedures, loss prevention, security, facilities, and grounds. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1073 Supervision Concepts for Hospitality

3 credits: 3 hours lecture

Supervisory concepts to enhance hospitality operations including communication, customer service, teamwork, conflict management, staffing and scheduling, and productivity. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### HOSP 1083 Internship in Hospitality Services

3 credits: 3 hours laboratory only

Prerequisites: Successful completion of Hospitality Services Technical Certificate requirements, concurrent enrollment, or approval of administration  
Students work with a faculty advisor and internship employer to develop and implement a work experience plan with specific learning objectives. A minimum of 150 contact hours is required. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## IET (Industrial Equipment Technology)

#### IET 1105 Fundamentals of Mechanics

5 credits

Corequisite: MATH 0143 or approval of administration

Designed for students requiring a basic knowledge of mechanical maintenance. Theory and practical application in general shop safety, identification and use of hand and power tools and fasteners. Preventive maintenance is emphasized. Drive components, bearings, seals, lubrication, and pumps are introduced. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### IET 1112 Precision Maintenance

2 credits

Prerequisites: MAT 1304, IET 1203, and IET 1504

Preventive, predictive, and precision maintenance skills, procedures, and methods of documentation for manufacturing and industrial environments. Analyzes the root cause of equipment breakdowns to avoid future breakdowns and loss of production time. Includes lubricating, cleaning, and adjusting parts; vibration

analysis; shift alignment, precision balancing requirements and tolerances, oil sample analysis, thermography, ultra-sonics; motor current analysis, bearing failure analysis, installation and maintenance of bearings; and torque value. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### IET 1203 Industrial Diagrams

3 credits

Interpretation of drawings, blueprints, schematics, and related symbols. Measurement and the use of related measuring tools. Principles and concepts are related to the operation and maintenance of industrial facilities and equipment. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### IET 1504 Industrial Mechanics

4 credits

Prerequisites: IET 1105 and MAT 1304 or approval of administration  
Study of drive components, bearings, seals, lubrication, pumps, valves, fittings, and piping systems. Practical application is provided through laboratory experience. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### IET 1703 Pneumatics and Hydraulics

3 credits

Prerequisites: IET 1105 and MAT 1304 or approval of administration  
Principles of fluid power (pneumatics & hydraulics) and a working knowledge of each of the components used in fluid power. Practical application is provided in the laboratory and safety is emphasized. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### IET 1803 Basic Machine Shop

3 credits

Prerequisites: IET 1105 and MAT 1304 or approval of administration  
Basic knowledge of machine shop applications including metallurgy and the operation of milling machines, lathes, and surface grinders. Metal fabrication is introduced. Safety is emphasized. Practical application provided through laboratory experience. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### IPP

#### (Industrial Plant Processes)

##### IPP 1103 Industrial Plant Processes

3 credits

Prerequisite: MAT 1304 or MATH 0183 or higher-level mathematics course or approval of administration  
Advanced process control systems found in industrial plants including science fundamentals, properties of matter, technical math, heat, process dynamics, electrical energy, reading diagrams, and introductory chemistry. Serves as a foundation of technical knowledge in the function and operation of specific pulp/papermaking operations and equipment. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### IPT

#### (Industrial Processes Technology)

##### IPT 2123 Tech Survey of Chemical Manufacturing

3 credits

Corequisites: PPS 1114, CHM 2104, and MAT 1304 or MATH 0183 or higher level mathematics course

Introduction to typical layout of chemical manufacturing plants. Includes basic manufacturing operations, process terminology, and function and description of equipment utilized in these industries. Focus on principles that drive process dynamics. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

##### IPT 2204 Pulping and Bleaching Processes

4 credits

Prerequisite: PPS 1114

Introduction to major pulping and bleaching processes and chemistry used in each process. Includes terminology, equipment, instrumentation, controls, and pulp quality for both bleached and unbleached pulps. Lab process includes pulp quality testing and chemical analysis of raw materials and bleaching solutions. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

##### IPT 2513 Tech Environmental Protection Systems

3 credits

Prerequisite: PPS 1114

Introduction to problems created by pollution, processes of an industrial plant that can control these emissions, overview of regulations that mandate pollution control, and brief historical overview of environmental issues and future trends. Laboratory exercises explore various testing methods pertinent to waste treatment facilities, stack emissions testing, and microbiological analysis. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### JOUR Courses (Journalism)

##### JOUR 2203 Introduction to Journalism

3 credits: 3 hours lecture

Prerequisite: ENGL 1023

Principles of news gathering and writing with applied experiences in design, layout, and writing.

##### JOUR 2211 Journalism Lab

1 credit: 1 hour laboratory

Corequisite: JOUR 2203

NOTE: This course may be repeated for a maximum of six credit hours.

A performance lab allowing a student to work on any existing student publication approved by the instructor.

##### JOUR 2223 Mass Communication

3 credits: 3 hours lecture

NOTE: May be used either for speech or journalism credit, but not for both.

Survey of historical, economic, and political influences of mass communication on society and individuals.

##### JOUR 3013 Newswriting

3 credits: 3 hours lecture

Prerequisite: JOUR 2203

Advanced writing and reporting techniques for the journalist and/or public relations professional including sports writing, editorial writing, news features, and international reporting. NOTE: This course may be used as an elective in

the speech communication curriculum.

**JOUR 3023 Introduction to Public Relations**

3 credits: 3 hours lecture

Prerequisite: JOUR 2203

Introduction to media campaigns, newsletter production, propaganda, public relations theory, and history. NOTE: This course may be used as an elective in the speech communication curriculum

**JOUR 3043 Feature Writing**

3 credits: 3 hours lecture

Prerequisite: JOUR 2203

Analysis of the feature form; readings in the genre; writing for publication including news analyses, op-eds, profiles, and investigative reporting.

**JOUR 4033 News Editing**

3 credits: 3 hours lecture

Prerequisites: JOUR 2203, 2211, and 3013

General copy editing skills including editing for accuracy, fairness, grammar; general photo editing; designing and layout for publication; headline and caption writing; and developing news judgment.

**JOUR 4243 Seminar in Journalism**

3 credits: 3 hours lecture

Prerequisite: Nine hours of JOUR coursework.

Detailed study of one of the major areas of journalism, emphasizing assigned readings and individual research. Sample areas may include media management, the campaign, media ethics, etc.

NOTE: May be repeated for a total of 6 hours credit toward major.

**JOUR 425V Journalism Internship**

Variable credit (maximum 6 hours)

Prerequisite: Advanced standing (minimum of twelve hours of JOUR coursework) and permission of Dean and instructor.

Students work in a profit or non-profit environment which allows for application to theoretical knowledge and the development of journalistic skills.

**JOUR 479V Independent Study in Journalism**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**MAED Courses  
(Mathematics Education)**

**MAED 2243 Fundamental Geometric Concepts**

3 credits: 3 hours lecture

Prerequisite: MATH 1043 with a grade "C" or above

NOTE: This course cannot be used to satisfy General Education requirements or for credit toward a Mathematics major or minor.

Topics in plane and solid geometry appropriate for elementary and middle school including measurement, construction, and the use of manipulatives and technology.

**MAED 3553 Number Systems**

3 credits: 3 hours lecture

Prerequisites: MATH 1043 with a grade of "C" or above

NOTE: This course may not be used to satisfy General Education requirements or for credit toward a Mathematics major or minor.

Development of real number system and basic concepts of probability and statistics.

**MAED 4663 Methods of Teaching Mathematics**

3 credits: 3 hours lecture

Corequisites: MATH 3423

Methods and strategies of mathematics instruction at the secondary level.

**MAT Courses  
(Mathematics)**

**MAT 1203 Technical Mathematics**

3 credits

Develops competencies in fractions, decimals, percents, measures, tables, graphs, ratios, proportions, formulas, equations, and calculator usage as well as practical application of mathematics skills to problems related to student's training area. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**MAT 1304 Advanced Industrial Mathematics**

4 credits

Covers number systems including decimal, binary, hexadecimal and place value notation, algebraic notations, expressions, geometric and trigonometric functions, angles, laws of sine and cosine. A limited review of fractions, decimals, percents, ratios, proportions, tables, and graphs is presented. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**MATH Courses  
(Mathematics)**

NOTES:

1. Students whose ACT mathematics scores fall below 19 will be assigned to a developmental mathematics course.
2. Students must receive a grade of "C" or above to satisfy the prerequisite for a mathematics course.
3. Students receiving a grade of "C" or above in any mathematics course will not be permitted to enroll for credit in any course which is a prerequisite.
4. Students who wish to enroll more than three times in a specific mathematics course other than MATH 0143, Introduction to Algebra, must repeat the prerequisite for the course. Exceptions to this must be approved by the Mathematics Review Committee.

**MATH 0143 Introduction to Algebra**

3 credits: 3 hours lecture

A review of basic arithmetic operations and algebraic operations. Topics covered include the arithmetic of fractions and decimals, algebraic manipulations of polynomials, linear equations, and factoring. This course cannot be used to satisfy General Education requirements or for credit toward a Mathematics major or minor.

**MATH 0183 Intermediate Algebra**

3 credits: 3 hours lecture

Prerequisite: MATH 0143 or satisfactory performance on a placement test

This course is designed to prepare students to take a college level mathematics course. Topics covered will include factoring, exponents, solution of linear and quadratic equations, arithmetic of rational expressions, basic algebraic applications, and graphing. This course cannot be used to satisfy General Education requirements or for credit toward a Mathematics major or minor.

#### MATH 1003 Survey of Mathematics

3 credits: 3 hours lecture

Prerequisite: MATH 0183 or satisfactory performance on a placement test

NOTE: This course cannot be used for credit toward a Mathematics major or minor.

Techniques of problem solving, topics from set theory, number theory, logic, consumer mathematics, and probability and statistics.

#### MATH 1033 Trigonometry

3 credits: 3 hours lecture

Corequisite: MATH 1043

Definition of the trigonometric functions, solution of right and oblique triangles, trigonometric equations, and identities.

#### MATH 1043 College Algebra

3 credits: 3 hours lecture

Prerequisite: MATH 0183 or satisfactory performance on a placement test

Functions, graphs, quadratic equations, systems of equations, applications of algebra, and matrices.

#### MATH 1073 Compact Calculus

3 credits: 3 hours lecture

Prerequisite: MATH 1175 or MATH 1043

NOTE for those not planning to take MATH 2254: this course cannot be used for credit toward a Mathematics major or minor.

Limits, continuous functions, the derivative and integral with applications.

#### MATH 1175 Precalculus

5 credits: 5 hours lecture

Prerequisites: A score of 22 or higher on the Math ACT or MATH 0183 with a grade of "B" or higher.

Provides the necessary background for students planning to take Calculus I or Compact Calculus. Topics include: problem solving; polynomial, rational, exponential, logarithmic, and trigonometric functions; parametric equations; and, as time permits, linear systems. Preferred prerequisite for students planning to take calculus. Offered: Fall.

#### MATH 2255 Calculus I

5 credits: 5 hours lecture

Prerequisites: MATH 1175; or MATH 1033 and 1043

Limits, derivatives, integrals, and applications of both integrals and limits.

#### MATH 3233 History of Mathematics

3 credits: 3 hours lecture

Prerequisite: MATH 2255

The history of mathematics as concerned with the origins, philosophy, and development of the mathematical sciences. The chronological development of mathematics from its use in primitive cultures to the present day. Spring offering in odd-numbered years.

#### MATH 3403 Probability and Statistics

3 credits: 3 hours lecture

Prerequisite: MATH 2255

Finite sample spaces, counting techniques, distributions, measures of variability, sampling theory, curve fitting, and regression analysis. Fall offering in odd-numbered years.

#### MATH 3413 Number Theory

3 credits: 3 hours lecture

Prerequisite: MATH 2255

Basic properties of number system, congruences, divisibility, and prime numbers. Offered: Fall, even-numbered years.

#### MATH 3423 College Geometry

3 credits: 3 hours lecture

Prerequisite: MATH 2255

Logic and Euclidean geometry. Required of all prospective secondary mathematics teachers. Fall offering in even-numbered years.

#### MATH 3453 Abstract Algebra

3 credits: 3 hours lecture

Prerequisite: MATH 2255

An introduction to the study of algebraic structures including groups, rings, and fields. Offered: Spring, even-numbered years.

#### MATH 3463 Linear Algebra

3 credits: 3 hours lecture

Prerequisite: MATH 2255

The algebra of finite dimensional vector spaces, linear transformations, eigenvalues, and eigenvectors. Spring offering in odd-numbered years.

#### MATH 3483 Mathematical Modeling

3 credits: 3 hours lecture

Prerequisites: MATH 3495 and a programming course

A study of selected topics which demonstrate the interaction of mathematics with real-world problems.

#### MATH 3495 Calculus II

5 credits: 5 hours lecture

Prerequisite: MATH 2255

Sequences and series, vector analysis, and partial derivatives.

#### MATH 3513 Discrete Mathematics

3 credits: 3 hours lecture

Prerequisites: MATH 2255; C S 2213 or C S 2253

Algorithms, elements of graph theory, Boolean algebra, and combinatorics.

#### MATH 3525 Differential Equations and Multi-Dimensional Calculus

5 credits: 5 hours lecture

Prerequisite: MATH 3495

Multiple integrals, first-order differential equations, and systems of differential equations.

#### MATH 4613 Advanced Differential Equations

3 credits: 3 hours lecture

Prerequisite: MATH 3525

A continuation of MATH 3525. Topics include nonlinear systems, numerical methods, and Laplace Transforms.

#### MATH 465V Mathematics Reading and Research

Variable credit

Prerequisites: Junior or senior standing and approval of the Dean of the School of Mathematical and Natural Sciences.

**MATH 4673 Numerical Methods**

3 credits: 3 hours lecture

Prerequisites: MATH 3495; C S 2213 or C S 2253

Derivation and generation of numerical methods, error estimates, convergence, and stability of numerical techniques.

**MATH 4711, Mathematics Seminar**

1 credit: 1 hour lecture

Prerequisite: Junior or senior mathematics major or minor.

Students give oral and written presentations based on laboratory and/or library research. This course may be repeated for a maximum of two credit hours.

**MATH 479V Independent Study in Mathematics**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## MGMT Courses (Management)

**MGMT 3413 Office Management**

3 credits: 3 hours lecture

Survey of current office management concepts with emphasis on managing human resources, administrative services, and administrative systems.

**MGMT 3423 Quantitative Methods**

3 credits: 3 hours lecture

Prerequisites: CIS 2223 and GB 2113

Applies quantitative methods to managerial decisions. Topics include mathematical programming, queuing theory, simulation techniques, network analysis, and decision theory. Stresses the managerial perspective and the use of and interpretation of computer solutions.

**MGMT 3433 Entrepreneurship**

3 credits: 3 hours lecture

Prerequisites: ACCT 2223, MGMT 3473, and MKT 3403

Introduction to small business operations, the characteristics of entrepreneurs, and the challenges and rewards of entrepreneurship. Students complete a simple business plan, or other group and individual projects. Offered: Spring.

**MGMT 3453 Industrial Relations**

3 credits: 3 hours lecture

Analysis of problems of labor; solutions through unionism, management, and government; labor laws. Offered: Fall

**MGMT 3473 Principles of Management and Organizational Behavior**

3 credits: 3 hours lecture

Examines planning, organizing, motivating, and controlling as they apply to managing a business organization. Stresses leadership, problem-solving techniques, and the coordination, communication, and human relations necessary for successful management. Offered: Fall, Spring, Summer.

**MGMT 4613 Management Information Systems**

3 credits: 3 hours lecture

Identifying the manager's responsibilities for efficient, effective management of the

organization's information systems resources. Developing strategies for the successful discharge of these responsibilities. Offered: Fall, Spring.

**MGMT 4633 Human Resource Management**

3 credits: 3 hours lecture

Prerequisites: MGMT 3473 and PSY 1013

Provides students with an understanding of the principles, policies, and practices related to procurement, development, maintenance, and utilization of human resources. Offered: Spring.

**MGMT 4643 Production/Operations Management**

3 credits: 3 hours lecture

Prerequisites: MGMT 3473 and G B 3233

Principles and techniques of management in organizing, planning, controlling the operations of the firm (either production and/or service oriented). The topics will be: design decisions relating to capacity planning, product design, layout of facilities, and selecting locations for facilities; operating decisions relating to quality assurance, scheduling, inventory management, and project management. Class will periodically meet in the computer lab. Students will use computer software packages to solve problems. Offered: Fall, Spring.

**MGMT 4653 Strategic Management**

3 credits: 3 hours lecture

Prerequisites: MKT 3403, FIN 3473, and MGMT 3473

Integration of economics, management, marketing, statistics, finance, personnel, accounting, and other interrelated subjects into an overall evaluation of the policies of business.

Offered: Fall, Spring

**MGMT 4663 Advanced Organizational Behavior and Theory**

3 credits: 3 hours lecture

Prerequisites: MGMT 3473 and PSY 1013

Focuses on the dynamics of human behavior in business organizations, with concentration on problems of motivation and leadership. Emphasis is on the behavior and performance of individuals and groups within organizations. Offered: Fall.

**MGMT 4673 Global Organizational Behavior and Theory**

3 credits: 3 hours lecture

Prerequisites: MGMT 3473 and PSY 1013

Cultural and social differences among major regions of the world and how they affect management practice. Problems of organization structure, motivation, leadership, HRM, and others are addressed. Extensive use of cases and in-class exercises; course project included.

Offered: Summer, odd-numbered years.

**MGMT 4683 Strategic Management of the Multinational Enterprise**

3 credits: 3 hours lecture

Corequisite: MGMT 4653

This course applies strategic management theory and best practice to the operation of a multinational enterprise. Covers international strategies, joint ventures, strategic alliances, among other topics. Extensive use of cases, all involving international firms. A computerized international strategic management simulation will be used in lieu of a course project. To be taken in last semester of program

**MGMT 4693 New Venture Development**

3 credits: 3 hours lecture

Corequisite: MGMT 3433

Issues, concepts, and problems of developing a new venture, including financing, planning, and legal form of organization. Analysis of competitors, market



feasibility, economic conditions, and other factors. Lectures, case analyses, and projects. Offered: Spring, even-numbered years.

#### **MGMT 4703 Entrepreneurship Practicum**

3 credits: 3 hours lecture

Prerequisite: MGMT 3433

Focuses on the skills required to operate a start-up enterprise, and on operating and competitive issues and problems. Extensive exercises, lecture, simulation, and case analyses used. All teams will prepare and present a final report. Offered: Fall, odd-numbered years.

#### **MGMT 479V Independent Study in Management**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

### **MGT (Management)**

#### **MGT 2103 Tech Quality Management**

3 credits

Explores principles, tools and issues related to total quality management. Includes basic statistical tools, principles of customer focus, teamwork, empowerment, leadership, and incorporating quality into a manufacturing environment based on teachings of Deming, Juran, et. al. Includes Six Sigma principles, design, philosophy, concepts, and techniques. The Body of Knowledge (BOK) required for ASW Certification as Certified Quality Manager is covered. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### **MKT Courses (Marketing)**

#### **MKT 3403 Principles of Marketing**

3 credits: 3 hours lecture

Prerequisite: ECON 2213 or AGEC 2273

Principles and practices of marketing with emphasis on the composition and planning of a marketing strategy. Offered: Fall, Spring, Summer.

#### **MKT 3443 Selling and Sales Administration**

3 credits: 3 hours lecture

Prerequisite: MKT 3403

Basic principles of salesmanship, background, and preparation for selling, coupled with an emphasis on hiring, training, compensating, and motivating a sales force. Offered: Spring.

#### **MKT 3453 Marketing Communication**

3 credits: 3 hours lecture

Prerequisite: MKT 3403

Promotional efforts available to marketing management. Advertising's role in marketing strategy; advertising as communication; media choice; coordination of total promotional effort; measurement of promotional effectiveness. Offered: Spring.

#### **MKT 3463 Consumer Behavior**

3 credits: 3 hours lecture

Prerequisite: MKT 3403

Theoretical and applied concepts of the behavior of consumers as they engage in the process of evaluating, acquiring, and consuming goods and services. Offered: Fall.

#### **MKT 3483 Channels of Distribution**

3 credits: 3 hours lecture

Prerequisite: MKT 3403

To survey, organize, and integrate the theories and practices relative to current problems of marketing channel management and its use as a key strategic marketing tool. Distribution is viewed as a functional area within the firm and its interface with channel intermediaries is analyzed. The course will examine the impact of the Internet and Web-based e-commerce on channels of distribution. Offered: Fall

#### **MKT 4473 Special Topics in Marketing**

3 credits: 3 hours lecture

Prerequisite: MKT 3403

A special topics course covering subjects of current interest in marketing. Topics might include E-marketing, International Marketing, Services Marketing. (Can be repeated for multiple credit with different course content.)

#### **MKT 4623 Marketing Research**

3 credits: 3 hours lecture

Prerequisites: MKT 3403 and G B 3233

Modern marketing research techniques and their application by management toward the determination of a marketing strategy. Offered: Fall.

#### **MKT 4663 Marketing Management**

3 credits: 3 hours lecture

Prerequisite: 6 hours of Marketing

Marketing from the managerial viewpoint; analysis of the functions of marketing planning, market opportunity assessment, and evaluating and adjusting marketing effort. Offered: Spring.

#### **MKT 479V Independent Study in Marketing**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

### **MLED Courses (Middle Childhood Education)**

#### **MLED 2103 Programs and Practices for Middle Schools**

3 credits: 3 hours lecture

Designed to introduce the history of middle school/junior high, the middle level concept, and current practices and trends of middle level schools to pre-service teachers. Offered: Fall.

#### **MLED 2113 Learning and Development of Early Adolescence**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education Program

Designed to provide the candidate with knowledge of the learning and physical characteristics of the 10-15 year old by developing appropriate learning and physical activities with a focus on health and wellness.

**MLED 4513 Teaching and Learning in the Middle Grades**

3 credits: 3 hours lecture

Prerequisite: Admission to the Teacher Education Program

Designed to study advanced methods of instruction, review current research and case studies, and observe and practice components of the middle level concept. Offered Fall.

**MLED 4523 Literacy Across the Curriculum**

3 credits: 3 hours lecture

Prerequisite: Admission to Teacher Education Program

Designed to train candidates to incorporate literacy instruction across the content areas.

**MLED 4603 Middle Level Clinical Internship I**

3 credits: Clinical Practice

Prerequisite: Admission to Clinical Internship I

Corequisite: Appropriate content methods courses offered in the major  
Clinical practice provides opportunities for candidates to develop and demonstrate knowledge, skills and dispositions.

**MLED 463V Middle Level Clinical Internship II**

15 credits: Clinical Practice

Prerequisite: Completion of MLED 4603 Clinical Internship I; and Admission to Clinical Internship II

Clinical practice provides opportunities for candidates to develop and demonstrate knowledge, skills and dispositions.

**MLSC Courses  
(Military Science)**

**MLSC 1012 Learning to Lead I**

2 credits

Introduction to fundamental components of service as an officer in the U.S. Army. Lessons in values, fitness, leadership, and officership. Also addresses "life skills" including communications (written and oral) and interpersonal relationships.

**MLSC 1022 Learning to Lead II**

2 credits

Primary focus on leadership theory and decision making. "Life skills" lessons include problem solving, critical thinking, followership, group interaction, goal setting, and feedback mechanisms.

**MLSC 2113 Applied Leadership and Management I**

3 credits

Application of communications and leadership concepts. Includes a major leadership and problem-solving case study.

**MLSC 2123 Applied Leadership and Management II**

3 credits

Extensive examination of the unique purpose, roles, and obligations of commissioned officers. Includes detailed look at the origin of our institutional values and their practical application in decision making and leadership.

**MLSC 2206 Leader's Training Course (LTC)**

6 credits

Prerequisites: Cumulative GPA of 2.00 or better, passing score on physical fitness test, and approval of Professor of Military Science.

Approximately one month of LTC at Fort Knox, Kentucky or comparable location. Includes confidence building training, Army physical fitness training, individual and small unit tactics, familiarization of individual and crew-served weapons, and introduction to leadership training.

**MLSC 3214 Advanced Leadership and Management I**

4 credits

Prerequisites: MLSC 1012, 1022, 2113, and 2123; or MLSC 2206.

Intended to build leadership competencies and facilitate the cadet's leadership potential. Instruction in principles of war and purposes, fundamentals, and characteristics of the defense. Includes instruction in small unit battle drills.

**MLSC 3224 Advanced Leadership and Management II**

4 credits

Prerequisites: MLSC 1012, 1022, 2113, and 2123; or MLSC 2206

Focus on doctrinal leadership and tactical operations at the small unit level. Includes opportunities to plan and conduct individual and collective skill training for offensive operations. Synthesizes the components of training, leadership, and team building.

**MLSC 4314 Leadership Seminar I**

4 credits

Prerequisites: MLSC 3214 and 3224

Concentration on leadership, management, and ethics. Beginning of the final transition from cadet to lieutenant. Stresses knowledge and proficiency in several critical areas needed to operate effectively as Army officers.

**MLSC 4324 Leadership Seminar II**

4 credits

Prerequisites: MLSC 3214 and 3224

Organization for operations from the tactical to strategic level. Instruction on administrative and logistical management. Upon completion of this course, the cadet will be prepared to shoulder the responsibility of being a commissioned officer in the United States Army.

**MODL Courses  
(Modern Languages)**

**MODL 2013 Introductory Seminar in Foreign Language Studies**

3 credits: 3 hours lecture

For students wishing to begin study of a language other than Spanish, French, or another language offered on a regular basis. Typically, work will include cultural or literary studies or political studies or a combination.

**MODL 3403 Conversational Language I - Study Abroad**

3 credits: 3 hours lecture

This course allows the student to utilize the target language in a native setting and through total immersion. The student is exposed to the language while in class, with the host family, and during daily activities. This intensive oral practice is designed to improve listening comprehension, oral proficiency, and vocabulary in a natural language environment.

**MODL 3413 Conversational Language II - Study Abroad**

3 credits: 3 hours lecture

For the student who has been abroad before, this course is a continuation of conversational skills, again, all done in the target language. The student works to further develop listening comprehension, oral proficiency, and more native vocabulary, like idiomatic and colloquial expression. The student again advances his/her language skills in a native environment and through total immersion.

**MODL 3423 Syntax of the Language - Study Abroad**

3 credits: 3 hours lecture

This course allows the student the opportunity to study the target language=s grammar and usage in a native setting through total immersion techniques. Each student is placed into the appropriate classroom with regard to his/her language ability, allowing further development of grammar and syntax skills in the target language. The grammar studies in class will complement the conversation skills obtained through the experience while abroad.

#### MODL 443V Seminar in Foreign Language Studies

Variable credit

For students traveling abroad or taking intensive on-campus immersions in a foreign language. Typically, work will include cultural or literary studies or political studies or a combination.

#### MODL 4903 Seminar in Teaching Foreign Language

3 credits: 3 hours lecture

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophy development, test design and evaluation, and materials for on-site teaching.

## MTH Courses (Tech Mathematics)

#### MTH 1303 Tech Mathematics

3 credits

Develops competences in using fractions, decimals, percentages, measurements, tables, graphs and calculator usage.

## MUS Courses (Music)

#### MUS 1012 Introduction to Theory

2 credits: 2 hours lecture

Study in the basic elements of music theory: pitch, notation, rhythm and counting, scales, tonality, key, modes, intervals, transposition, chords, chord inversions, Roman numeral analysis, popular music symbols, cadences, non-harmonic tones, melodic organization.

#### MUS 1023 Theory I

3 credits: 3 hours lecture

Prerequisite: MUS 1012 with a grade of "C" or above

Corequisite: MUS 1061

Study in the theory of Species Counterpoint, four-part choral writing, analysis of harmonic progressions, dominant sevenths, leading tone seventh, non-dominant seventh, modulation, secondary dominants and leading tones.

#### MUS 1033 Theory II

3 credits: 3 hours lecture

Prerequisite: MUS 1023 with a grade of "C" or above

Corequisite: MUS 1091

Study in the theory of chromatic harmony including borrowed chords, Neapolitan sixth chords, augmented sixth chords, ninth/eleventh/thirteenth chords, altered dominants and chromatic mediants. Composition in four-voice choral style. Instrumental and vocal arranging via computer-based notation systems.

#### MUS 1040 Recitals, Concerts, Productions

0 credit: Attendance at recitals, concerts and productions

NOTE: Recitals, Concert, Productions must be taken each semester in residence for a total of eight semesters. Course will be graded pass/fail.

All music majors are required to attend or participate in all divisional recitals plus an assigned number of major recitals, concerts, and productions each semester in residence. May be repeated.

#### MUS 1051 Piano Repertoire

1 credit: 1 hour lecture

Survey of keyboard literature from the Renaissance through the present.

#### MUS 1061 Ear Training and Sight Singing I

1 credit: 2 hours lecture

Corequisite: MUS 1023

Sight Singing and dictation of melody, harmony, and rhythm.

#### MUS 1072 Music Technology

2 credits: 1 hour lecture, 1 hour lab

NOTE: Open to music majors and minors; other students may enroll only with the permission of instructor.

Music notation and printing on the computer. Study in page setup, click and MIDI entry, grouping, editing techniques, lyric entry, MIDI channel and instrument assigning, playback, Enigma Transportable Files.

#### MUS 1081 Piano Class (non-music major)

1 credit: 2 hours lecture

Beginning piano for non-music majors.

#### MUS 1091 Ear Training and Sight Singing II

1 credit: 2 hours lecture

Prerequisite: MUS 1061

Corequisite: MUS 1033

Sight Singing and dictation of melody, harmony, and rhythm.

#### MUS 1113 Music Appreciation

3 credits: 3 hours lecture

Study of the major composers and representative compositions of the musical style periods.

#### MUS 1121 University Chorus

1 credit: 2 hours laboratory

NOTE: Mixed chorus which performs major choral/orchestral work each year.

May be repeated.

#### MUS 1142 Piano Class I

2 credits: 2 hours laboratory

NOTE: Open to vocal and instrumental music majors who have had no previous piano study. Students must pass this course with a grade of "C" or above to take Piano Class II.

Fundamental skills of playing the piano.

#### MUS 1151 Dancing for Music Theatre

1 credit: 3 hours laboratory

Introduction and beginning level study of contemporary music theatre dance techniques, dance vocabulary, and stage movement.

#### MUS 1253 Acting in Musical Theatre I

3 hours credit: 3 hours lecture/lab

This course is designed to instruct students in the art of acting in musical

theatre; to acquaint students with the actor's mode of thinking, creating, and working; and to introduce students to a program of exercise and practice for improving technique. Students will experience the creative act of performing a role, in both memorized and improvisational scenes.

**MUS 1342 Piano Class II**

2 credits: 2 hours laboratory

Prerequisite: MUS 1142 Piano Class I with a grade of "C" or above

NOTE: Open to vocal and instrumental music majors. Melody harmonization, transposition, scales, major/minor chord drills, sight reading and repertoire.

**MUS 2213 Theory III**

3 credits: 3 hours lecture

Prerequisites: MUS 1033 and MUS 1072 with a grade of "C" or above

Corequisite: MUS 2231

Examination and analysis of form and compositional techniques including Binary form, Ternary form, Two-voice 18th century counterpoint, fugue, variation technique, sonata form, and rondo form. Advanced instrumental and vocal arranging via computer-based notation systems.

**MUS 2223 Theory IV**

3 credits: 3 hours lecture

Prerequisite: MUS 2213 with a "C" or above

Corequisite: MUS 2241

An examination of Romantic, Post-Romantic, Impressionistic, and 20th century styles and composition.

**MUS 2231 Ear Training and Sight Singing III**

1 credit: 2 hours lecture

Prerequisite: MUS 1091

Corequisite: MUS 2213

Advanced sight singing and dictation of melody, harmony, and rhythm.

**MUS 2241 Ear Training and Sight Singing IV**

1 credit: 2 hours lecture

Prerequisite: MUS 2231

Advanced sight singing and dictation of melody, harmony, and rhythm.

**MUS 2263 Acting in Musical Theatre II**

3 hours credit: 3 hours lecture/lab

Prerequisite: MUS 1253

Acting in Musical Theatre II is a continuation of the theories and practices developed in MUS 1253.

**MUS 2292 Diction for Singers**

2 credits: 2 hours lecture

Prerequisites: MUS 1033 and 1091

Introductory course for the singer dealing with the pronunciation of Italian, French, and German.

**MUS 3133 Basic Musicianship**

3 credits: 3 hours lecture

Introductory course in the basic components and fundamentals of music for the student with a limited musical background.

**MUS 3273 Acting in Musical Theatre III**

3 hours credit: 3 hours lecture/lab

Prerequisites: MUS 2263

This course is designed to help the student actor begin her/his career in theatre.

The course will explore various audition techniques and will culminate with the student having developed a marketable package with which to enter into graduate school or go directly into the world of commercial theatre. This course will also include advanced scene study.

**MUS 3333 History of the American Broadway Musical**

3 credit hours: 3 hours lecture

This course is designed to give students a broad overview of the historical development of the American musical theatre, from its beginnings to the present time, and knowledge of the composers, lyricists, directors, choreographers, and producers who were important in its development.

**MUS 3413 Analysis and Music Literature**

3 credits: 3 hours lecture

Prerequisite: MUS 1033

A survey of music literature from the major historical periods including the analysis of harmonic structure and form of representative musical examples, and a discussion of musical elements and vocabulary.

**MUS 3431 Instrumental Ensemble**

1 credit: 2 hours laboratory

The study and performance of literature for instrumental ensembles. May be repeated.

**MUS 3441 Woodwind Class**

1 credit: 2 hours lecture

A study of the instruments of the woodwind family with the objective of developing basic techniques for a comprehensive teaching knowledge.

**MUS 3481 Brass Class**

1 credit: 2 hours lecture

A study of the instruments of the brass family with the objective of developing basic techniques for a comprehensive teaching knowledge.

**MUS 3491 Percussion Class**

1 credit: 2 hours lecture

A study of the instruments of the percussion family with the objective of developing basic techniques for a comprehensive teaching knowledge.

**MUS 3501 String Class**

1 credit: 2 hours lecture

A study of the instruments of the string family with the objective of developing basic techniques for a comprehensive teaching knowledge.

**MUS 3511 Chamber Choir**

1 credit: 3 hours laboratory

Corequisite: Concert Choir

A select ensemble which performs works suitable for a 12- to 20-voice mixed chorus.

**MUS 3563 History of Music I**

3 credits: 3 hours lecture

Prerequisite: MUS 1033

History of music, for music majors and minors, from the Ancient World to the Baroque.

**MUS 3573 History of Music II**

3 credits: 3 hours lecture

Prerequisite: MUS 1033

History of music, for music majors and minors, from early 18th century to the

present.

**MUS 3583 Elementary Music Methods**

3 credits: 3 hours lecture

Prerequisite: MUS 1033

NOTE: Open to music majors only.

A study of theory, application, and contemporary materials and methods in general music for pre-K-6 in the public schools. Emphasizes the professional musician's role as a music specialist or music coordinator.

**MUS 3591 Jazz Ensemble**

1 credit: 3 hours laboratory

NOTE: Membership is by audition or interview. May be repeated.

The study and performance of jazz forms from Dixieland to fusion through the utilization of traditional big band instrumentation.

**MUS 428V Music Theatre Workshop**

Variable Credit

Prerequisite: Audition for performing roles.

NOTE: May be taken for a maximum of 2 hours per semester. May be repeated.

Course designed to give students experience in the techniques of acting, dancing, singing, set design and construction, lighting, costuming, and makeup while involved in a major theatre production.

**MUS 4613 Secondary Instrumental Music Methods**

3 credits: 3 hours lecture

Prerequisite: MUS 1033

A study of curriculum, rehearsal procedures, administration, public relations, marching band techniques, and junior and senior high school band methods.

**MUS 4632 Piano Pedagogy**

2 credits: 2 hours lecture

Prerequisite: MUS 1033

An examination of current methods, techniques, and literature for private piano instruction.

**MUS 4671 Marching Band**

1 credit: 5 hours laboratory

NOTE: Membership is by audition or interview. Only available during the fall semester. May be repeated.

This instrumental ensemble provides opportunities for development through military and corps-style show design and precision movement. Performances include football games and parades.

**MUS 4691 Concert Choir**

1 credit: 3 hours laboratory

NOTE: Membership by audition. May be repeated.

A mixed chorus which provides opportunities for development of vocal, technical, and expressive skills through the study and performance of choral literature of varying styles from all historical periods. The Concert Choir tours in addition to the programs presented on campus and in the community.

**MUS 4712 Instrumental Conducting**

2 credits: 2 hours lecture

Prerequisite: MUS 1033

Specific conducting and rehearsal techniques for instrumental organizations. The course instruction will include techniques of 18th-century performance practice through 20th-century avant-garde style. Also included will be aspects of administration and supervision of public school wind programs.

**MUS 4722 Choral Conducting**

2 credits: 2 hours lecture

Prerequisite: MUS 1033

Specialized training in the practical aspects of choral conducting. Course includes study of choral rehearsal techniques, techniques of music research, choral literature, and preparation of a conductor's score. Lectures, listening assignments, and conducting instruction make up the basic class format.

**MUS 4741 Concert Bands**

1 credit: 6 hours laboratory

NOTE: Membership is open to all students by audition or interview. May be repeated.

The university concert bands perform on-campus performances and tour every other year. The instrumentation of the ensembles is variable and is set by the demands of the repertoire. Compositions performed range from full-band masterworks from the 18th and 19th centuries, to the more progressive works from the contemporary era.

**MUS 4751 Symphonic Band**

1 credit: 4 hours laboratory

Prerequisite: Membership by audition

NOTE: May be repeated

A select group of 40-45 instrumentalists that perform compositions from the repertoire of the modern symphony band. This ensemble presents on and off campus concerts

**MUS 4772 Seminar in Music Technology**

2 credits: 1 hour lecture, 1 hour lab

Prerequisite: MUS 1072 or permission of instructor

Examination of various programs and classroom uses for computer-based sequencing and recording. Included are setup techniques, note entry, music editing, quantization, MIDI channel and track assignments, MIDI files, studio teaching applications and as an improvisation aid, computer-based recording and editing techniques. May be repeated for a maximum of 6 credit hours.

**MUS 4783 Secondary Vocal Methods**

3 credits: 3 hours lecture

Prerequisite: MUS 4722

Methods for the development of junior and senior high school vocal organizations.

**MUS 479V Independent Study in Music**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **NA (Nursing Assistant)**

**N A 1017 Nursing Assistant**

7 credits: 4 hours lecture, 3 hours laboratory

The Nursing Assistant (NA) course follows the mandated Nursing Assistant Program curriculum adopted in Arkansas. Emphasis is placed developing the knowledge and skills specific to nursing assistant duties. Classroom, applied lab, and clinical training in long-term health care facilities are included in this course. Students who successfully complete the NA Program are eligible to take the skills and written examination that leads to Arkansas State Certification. Those students who successfully become certified are placed on the State Registry as a Certified Nurse Assistant (CNA). This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information

regarding transferability.

## NUR Courses (Practical Nursing)

### NUR 1002 PN Pharmacology

2 credits: 1 hour lecture, 1 hour lab

Prerequisites: Acceptance into PN Program

Properties, dosage, actions, interactions of drugs. System of weights and measures for drug administration. Formulas for dosage calculations. Medical symbols/abbreviations. Safety factors including simulated lab and to learn the limitations regarding dispensing medications. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1101 PN Vocational/Legal/Ethics

1 credit: 1 hour lecture

Prerequisites: NUR 1002, 1117, 1162, 1231, 1242, and 2264 with a grade of "C" or above in each course

Emphasis on understanding ethical, legal, and social responsibilities to patients, family, and co-workers; delegation responsibilities; emergency preparedness; genetic research and cloning and other concerns. Awareness of legal and ethical responsibilities; development of employability skills; awareness of standards of nursing care. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1117 PN Basic Nursing Principles and Skills

7 credits: 5 hours lecture, 2 hours lab

Prerequisite: Acceptance into PN Program

Principles, skills (basic to advanced), attitudes needed to give care. Utilization of nursing process in developing care plans. Incorporation of cultural diversity. Identification of various nursing settings. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1162 PN Geriatric Nursing Management

2 credits: 2 hours lecture

Prerequisite: Acceptance into PN Program

Skills, principles for care of geriatric patients including aging and disease processes, psychosocial needs, physical aspects. Emphasis on resident unit management. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1203 PN Intravenous Therapy

3 credits: 3 hours lecture

Prerequisites: NUR 1002, 1117, 1162, 1231, 1242, and 2264 with a grade of "C" or above in each course

Introduction to intravenous infusion therapy; care of patients that require intravenous fluids; simulated and actual experiences. Satisfactory skill demonstration required. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1231 PN Nursing of Mother/Infant

1 credit: 1 hour lecture

Prerequisite: Acceptance into PN Program

Review anatomy/physiology of reproduction system, role of the nurse during normal labor/delivery. Appropriate interventions for the normal and complicat-

ed postpartum mother/family. Care of normal and special needs neonate. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1242 PN Nursing of Children

2 credits: 2 hours lecture

Prerequisite: Acceptance into PN Program

Covers psychosocial, physical, and emotional development from infancy through adolescence. Care of child with acute and chronic illness and family care during child hospitalization. Integrates nutrition and pharmacology. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1317 PN Adult Medical Surgical Nursing I

7 credits: 7 hours lecture

Prerequisites: NUR 1002, 1117, 1162, 1231, 1242, and 2264 with a grade of "C" or above in each course

Incorporates all phases of nursing process utilizing theory and practice of the disease process and its effects on body systems. Nursing judgment, responsibility and delegation emphasized. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1505 PN Anatomy and Physiology

5 credits

Anatomy and physiology of the human body and its systems. Foundation for understanding principles of maintaining positive health and understanding the deviations from normal. (Restricted enrollment) This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1603 PN Nutrition and Wellness

3 credits

Enrollment restricted.

Principles of good nutrition for all age groups and principles for modifications for therapeutic purposes. Nutrition concepts will be integrated throughout practical nursing curriculum. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 1514 PN Anatomy and Physiology

4 credits: 3 hours lecture, 1 hour lab

This course includes anatomy and physiology of the human body and all its systems. It provides a foundation for understanding the principles of health promotion and prevention as well as understanding the deviations from the norm. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### NUR 2151 PN Mental Health and Illness

1 credit: 1 hour credit

Prerequisites: NUR 1002, 1117, 1162, 1231, 1242, and 2264 with a grade of "C" or above in each course

Identify and understand personality development, behavior patterns, mental disease, emotional/mental problems with the aged, rehabilitation and safety of the mental client. Incorporate all phases of the nursing process. This course may be transferable toward a limited number of associate and baccalaureate degrees.

Contact advisor for information regarding transferability.

**NUR 2264 PN Clinical I**

4 credits: 4 hours clinical

Prerequisites: Completion of NUR 1162 and 1231 with a grade of "C" or above in each course.

Corequisites: NUR 1002, 1117, and 1242

\*CLINICAL ROTATIONS MAY BE SCHEDULED ON DAY, EVENING, OR NIGHT SHIFTS. EIGHT AND TWELVE HOUR ROTATIONS MAY BE SCHEDULED.

Simulated and actual experience applying classroom experiences in long-term and acute-care facilities and clinics. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**NUR 2326 PN Clinical II**

6 credits: 6 hours clinical

Prerequisites: NUR 1002, 1117, 1162, 1231, 1242, and 2264 with grade of "C" or above in each course

Corequisites: NUR 1101, 1203, 1317, and 2151

\*CLINICAL ROTATIONS MAY BE SCHEDULED ON DAY, EVENING, OR NIGHT SHIFTS. EIGHT AND TWELVE HOUR ROTATIONS MAY BE SCHEDULED.

Prerequisites: Satisfactory completion of all prior PN course requirements  
On-site experiences in facilities to care for adults, pediatric, mentally ill, and obstetrical clients. Apply diagnostic procedures and all nursing skills. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**NUR 2414 PN Clinical III**

4 credits: 4 hours clinical

Prerequisites: NUR 1002, 1101, 1117, 1162, 1203, 1231, 1242, 1317, 2151, 2264 and 2326 with a grade of "C" or above in each course.

Corequisites: NUR 2421

\*CLINICAL ROTATIONS MAY BE SCHEDULED ON DAY, EVENING, OR NIGHT SHIFTS. EIGHT AND TWELVE HOUR ROTATIONS MAY BE SCHEDULED

Working with nurse preceptor, student will apply management and leadership skills in long-term care facilities by providing care to medical-surgical and pediatric patients, dispensing medication, performing as a team member. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**NUR 2422 PN Adult Medical-Surgical Nursing II**

2 credits: 2 hours lecture

Prerequisites: NUR 1002, 1101, 1117, 1162, 1203, 1231, 1242, 1317, 2264, 2151 and 2326 with a grade of "C" or above in each course

Corequisite: NUR 2414

Continuation of conditions, illness and care of adult clients. Nursing judgment, responsibility, and utilization of theory and practice important. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**NURS Courses  
(Nursing)**

**NURS 1015 Principles of Nursing Care I**

5 Credits: 3 hours lecture, 6 hours lab

Prerequisites: NURS 1034 and NURS 2211; Arkansas LPN Licensure

Focuses on the client's personal self aspect of the self-concept mode and psychosocial adaptation with an emphasis on application of the nursing process when providing nursing care to clients with mental illness in the hospital and community setting. Offered: Summer II.

**NURS 1034 LPN-RN Transition**

4 credits: 4 hours lecture

Prerequisite: Arkansas LPN Licensure

This course is designed to introduce the LPN to RN practice, focusing on socialization into the roles of the RN. Emphasis is placed on nursing ethics and professionalism, nursing process, formulating nursing care plans, and nursing care of individuals in families with a focus on client adaptation within the physiological and interdependence modes. The physiological needs of activity and rest and sensation are included as well.

**NURS 124V Principles of Nursing Care II**

12 credits: 8 hours lecture, 12 hours lab

Prerequisites: NURS 1015 and NURS 1034; Arkansas RN LPN licensure

Clinical application of the nursing process to individuals and families with a focus on client adaptation within the physiological and self-concept modes. Emphasis is placed on the physiological needs of endocrine (including reproduction), nutrition, fluid and electrolytes, protection and the physical self of the self-concept mode.

**NURS 2003 Introduction to Nursing Concepts and Roles**

3 credits: 3 hours lecture

Prerequisites: Completion of lower-division general education and nursing support courses or permission of the Division of Nursing Chair

NOTE: This course is offered in Summer I only and provides foundations for modern nursing practice. It focuses on nursing history and trends, the nursing process, and nursing roles.

**NURS 2211 Basic Skills Check Off**

1 credit; 2 hours laboratory

NOTE: This course is offered in Summer only.

Corequisite: LPN=s: NURS 1034, RN=s: NURS 3073 (required if RN graduated more than 24 months previously).

Basic nursing skills are demonstrated by the student and modified, if needed, to enhance safe practice. The school laboratory will be used.

**NURS 225V Principles of Nursing Care III**

12 credits: 8 hours lecture, 12 hours lab

Prerequisites: NURS 1015, 1034, 2211, and 124V; Arkansas LPN licensure

Clinical application of the nursing process to individuals, families, and families in communities with a focus on client adaptation within the physiological mode. Emphasis is placed on the physiological needs of elimination, endocrine, oxygenation, and neurologic. Concepts relevant to management of client care are included as well as preparation for the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

**NURS 3065 Healthy Aging**

5 credits: 2 hours lecture, 9 hours practicum

Prerequisites: NURS 3073 and NURS 3333; Arkansas RN licensure  
Designed to explore the normal process of aging and factors influencing the needs of older adults. Emphasis is placed on the role and function of the professional nurse in promoting healthy aging in older clients and supporting families and communities throughout the aging process.

**NURS 3073 Role Transition**

3 credits: 3 hours lecture

Prerequisites: Completion of general education requirements, nursing support courses, and Arkansas RN licensure.

Designed to increase awareness of professional nursing practice including nursing history, theories, and trends. Focuses on professional socialization, health care delivery systems, and critical thinking.

**NURS 3103 Nursing Skills**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: NURS 2003 and admission to upper-division nursing

Corequisite: NURS 311V

Development of basic, intermediate, and advanced nursing skills. Campus laboratories are used for student practice and demonstration of skills.

**NURS 311V Concepts in Nursing Care I**

11 credits: 8 hours lecture, 9 hours laboratory

Prerequisites: NURS 2003 and admission to upper-division nursing

Corequisite: NURS 3103

Application of the nursing process to individuals in families and communities. The focus

is client adaptation within physiological and interdependence modes.

**NURS 332V Concepts in Nursing Care II**

11 credits: 7 hours lecture, 12 hours laboratory

Prerequisites: NURS 3103 and NURS 311V

Corequisite: NURS 3333

Application of the nursing process to individuals and families in communities. The focus is client adaptation within physiological and self-concept modes.

**NURS 3333 Health Assessment**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: NURS 2003 or permission of course instructor

Comprehensive health assessment of individuals. Offered: Summer only.

**NURS 3405 Health Promotion**

5 credits: 2 hours lecture, 9 hours practicum

Prerequisites: NURS 3333 and NURS 3073; Arkansas RN licensure

Designed to explore a variety of health care settings and the role and function of the professional nurse in promoting, maintaining, and restoring health to individuals, families, and communities through the middle adult years.

**NURS 4057 Professional Nursing Leadership**

7 credits: 3 hours lecture, 12 hours practicum

Prerequisites: NURS 3073 and Arkansas RN licensure

Analyzes concepts and theories related to leadership in a rapidly changing health care environment. Emphasis is placed on research findings, professional role responsibilities, and critical thinking in exploring leadership skills.

**NURS 4097 Community Health**

7 credits: 3 hours lecture, 12 hours practicum

Prerequisites: NURS 3073 and Arkansas RN licensure

Focuses on a multi-disciplinary approach relevant to epidemiological processes and health promotion within communities.

**NURS 4153 Community Health Nursing**

3 credits: 3 hours lecture

Prerequisites: NURS 332V, 3333, and NURS 4473

Corequisite: NURS 444V

Theoretical basis for community health nursing. The nursing process is used to perform a community assessment based on a conceptual model.

**NURS 444V Concepts in Nursing Care III**

11 credits: 7 hours lecture, 12 hours laboratory

Prerequisites: NURS 332V, 3333, and NURS 4473

Corequisite: NURS 4153

Application of the nursing process to individuals, families, and communities. The focus is client adaptation within physiological and role function modes.

**NURS 4473 Nursing Research**

3 credits: 3 hours lecture

Corequisite: NURS 332V

Introduction to the research process and critique of research literature. Discussion includes application of findings to nursing practice and identification of clinical problems for study.

**NURS 4504 Leadership and Management in Professional Nursing**

4 credits: 3 hours lecture, 45-hour practicum

Prerequisites: NURS 444V and NURS 4153

Corequisite: NURS 452V

Provides an in-depth view of nursing leadership and management in a changing health care environment. Emphasis is placed on development of management skills for the delivery of quality client care within an organization. Preparation for the NCLEX-RN is included as a pre-requisite for successful course completion.

**NURS 452V Concepts in Nursing Care IV**

11 credits: 6 hours lecture, 15 hours laboratory

Prerequisites: NURS 444V and NURS 4153

Corequisite: NURS 4504

Application of the nursing process to individuals, families, and communities. The focus is client adaptation within physiological and self-concept modes.

**NURS 479V Independent Study in Nursing**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **P E Courses (Physical Education)**

**P E 1001 Fishing**



1 credit: 2 hours laboratory

This class will include modern casting techniques, line control, hooking and controlling fish, the use of the rod, reel and line, the difference in performance of a different tackle, general equipment needs, knots, correct tapered leader construction, indicator fishing, river fishing, lake fishing, reading water, and safety.

**P E 1011 Weight Training for Men and Women**

1 credit: 2 hours laboratory

Students will develop skills in a variety of weightlifting exercises. Students are taught the types of physical changes the body can undergo during a weight training program and how minor changes in the structure of the program can emphasize one or another of these changes. Offered: Fall.

**P E 1021 Recreational Activities**

1 credit: 2 hours laboratory

Table tennis, archery, volleyball, racquetball, and other activities. Offered: Fall, Spring.

**P E 1031 Golf and Tennis**

1 credit: 2 hours laboratory

A beginner course in tennis and golf skills, rules, and strategy. Offered: Fall.

**P E 1041 Square Dance**

1 credit: 2 hours laboratory

Fundamentals of square dancing, terminology, techniques, and skills.

**P E 1051 Swimming**

1 credit: 2 hours laboratory

This class teaches fundamentals of swimming skills, terminology, techniques and safety. Developmental methods will be used to demonstrate how swimming is taught for all age levels. Students will progress through levels as competency is shown. Offered: Fall, Spring.

**P E 1061 Special Skills and Sports**

1 credit: 2 hours laboratory

Activities, skills, and sports participation not found in the regular curriculum. Dependent upon availability of facilities and instructor expertise; may be repeated for credit if the activity, skill, or sport is different; one section is offered per semester.

**P E 1071 Rhythms, Modern Dance**

1 credit: 2 hours laboratory

Skills and techniques in modern and interpretive dance.

**P E 1081 CVR Fitness Class**

1 credit: 2 hours laboratory

For those students who desire to strengthen their heart, blood vessels, and lungs as they lose weight. Offered: Fall, Spring.

**PE 1122 First Aid**

2 credits: 2 hours lecture

Standard and Instructors American Red Cross course in emergency care of injuries. ARC Standard and Instructors certificate awarded on successful completion.

**P E 1131 Fitness through Aerobic Dance**

1 credit: 2 hours laboratory

The course will include a variety of contemporary forms of exercise which might include aerobic dance, kickboxing, aquatonics, step aerobics, and yoga.

Offered: Spring.

**P E 1443 Team Sports**

3 credits: 3 hours laboratory

Methods of developing skills in team sports from those appropriate for a preschool developmental level through secondary proficiency. It will include football, softball, basketball, speedball, soccer, team handball, volleyball, and lead-up games for these sports. Offered: Fall, Spring.

**P E 1453 Individual Sports**

3 credits: 3 hours laboratory

Methods of developing skills in individual sports from those activities appropriate for a preschool developmental level through secondary proficiency. It will include golf, archery, tennis, badminton, bowling, track, table tennis, and racquetball and lead-up games for these sports. Offered: Fall.

**P E 2113 Nutrition**

3 credits: 3 hours lecture or on-line.

Nutritive needs of the normal individual with emphasis on family nutrition and fitness. The periods of pregnancy and lactation, infancy, childhood, adolescence, and adulthood are included. Offered: Fall, Spring.

**P E 2203 Health and Wellness Promotion**

3 credits: 3 hours lecture or on-line

Personal, community, and school health and wellness promotion. Offered: Fall, Spring.

**P E 2213 Gymnastics and Rhythmic Activities**

3 credits: 3 hours laboratory

Progressive skills, techniques and methods of teaching K-12 gymnastics and rhythmic activities for physical education. Offered: Fall, Spring.

**P E 2262 Officiating**

2 credits: 2 hours laboratory

Football, basketball, volleyball, track, baseball, and softball rules, regulations, and officiating procedures. Offers opportunity for students to become registered officials.

**P E 2272 First Aid and CPR**

2 credits: 2 hours lecture

This course covers competencies taught in the Red Cross or American Heart Association First Aid and CPR courses. Offered: Fall, Spring.

**P E 2313 Care and Prevention of Athletic Injuries**

3 credits: 3 hours laboratory

Provides the general knowledge and general application of theory, principles, and skills used in the prevention, care, and rehabilitation of athletic injuries related to participation in games, sports, and athletics. Offered: Fall, Spring.

**P E 2703 Theory and Principles of Physical Education and Coaching**

3 credits: 3 hours lecture

An introduction to the theory and principles of the fields of physical education and coaching.

**P E 3372 Coaching of Baseball/Softball**

2 credits: 2 hours lecture

History and development of events, conduct of coaching, training methods, strategy, rules, and systems of leading coaches. Offered: Fall.

**P E 3382 Coaching of Volleyball**

2 credits: 2 hours lecture

History and development of events, conduct of coaching, training methods, strategy, rules, and systems of leading coaches. Offered: Spring.

**P E 3392 Coaching of Track**

2 credits: 2 hours lecture

History and development of events, conduct of coaching, training methods, strategy, rules, and systems of leading coaches. Offered: Spring.

**P E 3422 Coaching of Basketball**

2 credits: 2 hours lecture

History and development of events, conduct of coaching, training methods, strategy, rules, and systems of leading coaches. Offered: Spring.

**P E 3461 Exercise Physiology Laboratory**

1 credit: 2 hours laboratory

Corequisite: P E 3523

Study of the circulatory, respiratory, nervous, and muscular systems during and after physical exercise. Offered: Spring.

**P E 3472 Coaching of Football**

2 credits: 2 hours lecture

History and development of events, conduct of coaching, training methods, strategy, rules, and systems of leading coaches. Offered: Fall.

**P E 3503 Adaptive Physical Education**

3 credits: 3 hours lecture

Methods, techniques, and special program designs for the mildly handicapped child. Offered: Spring.

**P E 3523 Exercise Physiology**

3 credits: 3 hours laboratory

Physiological basis of physical education and athletics. Lecture and physiology laboratory sessions. Offered: Spring.

**P E 3553 Child Growth and Motor Development**

3 credits: 3 hours lecture

Growth and maturational factors influencing motor skill development and learning from infancy to adulthood. Planning, implementing, and evaluating of developmental physical education lessons for preschool and early school (K-2) children. The course also includes concepts of movement and basic movement patterns. Offered: Fall.

**P E 4401 Anatomical Kinesiology Laboratory**

1 credit: 1 hour laboratory

Prerequisites: BIOL 1403, 2233, 2291, 2243, 2301 and P E 3523

Corequisite: P E 4643

The scientific study of human movement including structural and functional analysis of osteology, mycology, and neurology. Offered: Fall.

**P E 4693 Methods of Teaching Health**

3 credits: 3 hours lecture

Prerequisite: P E 2203

Current methods in teaching health in the secondary public schools.

**P E 4603 Physical Education Tests and Measurements**

3 credits: 3 hours laboratory

Prerequisite: Junior standing

Use of achievement and skill tests in health and physical education. Special attention to mass testing procedures. Offered: Fall.

**P E 4643 Anatomical Kinesiology**

3 credits: 3 hours laboratory

Prerequisites: BIOL 2233 and BIOL 2291

The scientific study of human movement; analysis of motor skills and programs of exercise; evaluation of movement performance. Offered: Fall.

**P E 4663 Methods and Materials of Physical Education**

3 credits: 3 hours lecture

Prerequisites: Admission to teacher education for licensure candidates.

Methods and materials of teaching of physical education from preschool through the secondary level.

**P E 4693 Methods of Teaching Health**

3 credits: 3 lecture hours

Prerequisite: PE 2203

Current methods in teaching health in the secondary schools.

**P E 4713 Sport Administration**

3 credits: 3 hours lecture

Prerequisite: P E 2703

Procedures and policies to manage athletics, intramurals and recreational sport activity.

**P E 479V Independent Study in Physical Education**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**PHIL Courses  
(Philosophy)**

**PHIL 2223 Introduction to Philosophy**

3 credits: 3 hours lecture

Problems of human existence and critical discussion of some solutions proposed by outstanding thinkers.

**PHIL 3433 Readings in Philosophy**

3 credits: 3 hours lecture

Readings and critical discussion of a philosopher, a basic problem of philosophy, or a movement in philosophy.

**PHIL 3523 Logic**

3 credits: 3 hours lecture

Development of thinking skills applicable to any field.

**PHIL 3623 Ethics**

3 credits: 3 hours lecture

A survey of ethical systems with an examination of how such systems can be applied to business, medical, legal, environmental, and personal issues.

**PHIL 4603 History of Philosophy**

3 credits: 3 hours lecture

Major philosophers and philosophical systems from the beginnings of Western thought to the present.

#### PHIL 4633 Special Topics in Philosophy

3 credits: 3 hours lecture

Prerequisite: Upper-level standing or approval of instructor.

Exploration of issues involving philosophy and the humanities. Topics might be a continuing theme, a recent controversy, or a social or scholarly movement.

May be repeated for a total of nine hours credit with approval of the Dean.

#### PHIL 479V Independent Study in Philosophy

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations of this catalog for prerequisites and description.

### PHSC Courses (Physical Science)

#### PHSC 2203 Physical Science

3 credits: 3 hours lecture

Corequisite: ENGL 1013

Basic concepts of physics, chemistry, and earth science. This course is designed for the General Education program.

#### PHSC 2251 Physical Science Laboratory

1 credit: 2 hours laboratory

Corequisite: PHSC 2203

Basic studies of chemistry, physics, and earth science, designed to illustrate and complement concepts discussed in PHSC 2203.

### PHYS Courses (Physics)

#### PHYS 1003 Elements of Physics

3 credits: 3 hours lecture

NOTE: A General Education course for the non-science major.

A survey of the basic concepts of physics including mechanics, light, energy, relativity, and atomic structure.

#### PHYS 1021 Elements of Physics Laboratory

1 credit: 2 hours laboratory

Corequisite: PHYS 1003

A laboratory course to supplement PHYS 1003.

#### PHYS 2203 General Physics I

3 credits: 3 hours lecture

Prerequisite: MATH 1033 or MATH 1175

A study of mechanics, heat, sound, energy and momentum relying heavily on the student's understanding of algebra and trigonometry.

#### PHYS 2213 General Physics II

3 credits: 3 hours lecture

Prerequisites: PHYS 2203

A study of electricity, magnetism, optics and modern physics relying heavily on the student's understanding of the concepts developed in PHYS 2203.

#### PHYS 2231 General and University Physics Laboratory I

1 credit: 3 hours laboratory

Corequisite: PHYS 2203 or PHYS 2313

A laboratory course which supplements General and University Physics. Experiments are related to those courses.

#### PHYS 2241 General and University Physics Laboratory II

1 credit: 3 hours laboratory

Corequisite: PHYS 2213 or PHYS 2323

A laboratory course which supplements General and University Physics. Experiments are related to those courses.

#### PHYS 2313 University Physics I

3 credits: 3 hours lecture

Corequisite: MATH 2255

A study of mechanics, heat, sound, energy and momentum relying heavily on the student's understanding of basic math including algebra, trigonometry and calculus.

#### PHYS 2323 University Physics II

3 credits: 3 hours lecture

Prerequisite: PHYS 2313

A study of electricity, magnetism, optics and modern physics relying heavily on the student's understanding of basic math including algebra, trigonometry, and calculus.

#### PHYS 2354 Radiation Physics

4 credits: 3 hours lecture, 3 hours laboratory

Natural radioactivity and fundamental particles. Disintegration, fission, and fusion of nuclei. Theory and use of radiation detection instruments.

#### PHYS 3404 Modern Physics

4 credits: 3 hours lecture, 2 hours laboratory

Prerequisites: MATH 3495 and PHYS 2213 or PHYS 2323

The phenomena and theories of atomic, nuclear, and solid state physics. Relativity and the quantum theory.

#### PHYS 3444 Optics

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: PHYS 2241 and PHYS 2213 or PHYS 2323

Light, wave motion, dispersion, interference, diffraction, and spectra.

#### PHYS 4603 Mechanics

3 credits: 3 hours lecture

Prerequisites: MATH 2264 and PHYS 2303 or PHYS 2313

Applied physics and mathematics using the vector approach. Analysis of problems in statics, kinematics, and dynamics.

### PMUS Courses (Private Music Instruction)

NOTE: ENROLLMENT IN ALL APPLIED MUSIC COURSES IS RESTRICTED TO MUSIC MAJORS OR MINORS OR BY PERMISSION OF INSTRUCTOR.

#### PMUS 2401 Applied Piano

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of

development.

**PMUS 2412 Applied Piano**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2441 Applied Voice**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2452 Applied Voice**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2461 Applied Flute**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2472 Applied Flute**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2481 Applied Oboe**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2492 Applied Oboe**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2501 Applied Clarinet**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2512 Applied Clarinet**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2521 Applied Saxophone**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of

development.

**PMUS 2532 Applied Saxophone**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2541 Applied Bassoon**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2552 Applied Bassoon**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2561 Applied Horn**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2572 Applied Horn**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2581 Applied Trombone**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2592 Applied Trombone**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2601 Applied Euphonium**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2612 Applied Euphonium**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2621 Applied Tuba**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of

development.

**PMUS 2632 Applied Tuba**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2641 Applied Percussion**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2652 Applied Percussion**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2941 Applied Trumpet**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2952 Applied Trumpet**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2961 Applied Guitar**

1 credit: One-half hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 2972 Applied Guitar**

2 credits: 1 hour lesson per week

NOTE: Open to freshman and sophomore students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3661 Applied Piano**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3672 Applied Piano**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3701 Applied Voice**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of

development.

**PMUS 3712 Applied Voice**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3721 Applied Flute**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3732 Applied Flute**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3741 Applied Oboe**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3752 Applied Oboe**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3761 Applied Clarinet**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3772 Applied Clarinet**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3781 Applied Saxophone**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3792 Applied Saxophone**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3801 Applied Bassoon**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of

development.

**PMUS 3812 Applied Bassoon**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3821 Applied Horn**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3832 Applied Horn**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3841 Applied Trombone**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3852 Applied Trombone**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3861 Applied Euphonium**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3872 Applied Euphonium**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3881 Applied Tuba**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3892 Applied Tuba**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3901 Applied Percussion**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of

development.

**PMUS 3912 Applied Percussion**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3921 Applied Trumpet**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3932 Applied Trumpet**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3981 Applied Guitar**

1 credit: One-half hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 3992 Applied Guitar**

2 credits: 1 hour lesson per week

NOTE: Open to junior and senior students.

Study of the fundamental techniques and literature appropriate to the level of development.

**PMUS 4011 Recital/Project**

1 credit: 1 hour lab per week

Prerequisite: Advanced standing in music and permission of instructor.

A public recital in the student's major applied area, or an approved musical project.

## PPS (Pulp and Paper Science)

**PPS 1114 Introduction to Pulp and Paper**

4 credits

Basic overview of components and processes of a pulp and paper mill and the operations of its systems and equipment. Overview of industry history and technical development as well as future trends. Includes raw material processing and handling, manufacturing methods, process control, equipment and instrumentation, product specifications, and pollution abatement. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**PPS 1303 Paper Machine Wet End Operations**

3 credits

Prerequisite: PPS 1114

Function and capability of all critical equipment related to stock preparation and machine wet end areas. Primary process flows, consistency control stock blending, stock refining, wet end chemistry, stock cleaning, approach flow systems, and the cause/effect relationships each has with various papermaking parameters. Explores components of the machine fourdrinier and the concepts of formation, retention, drainage, and pressing. This course may be transferable toward a limited number of associate and baccalaureate

degrees. Contact advisor for information regarding transferability.

#### **PPS 1502 Wood Properties and Procurement**

2 credits

Awareness of important fiber-producing plants and trees and structural, physical, and chemical properties of wood. Significant portion of class includes preparation of pulp-wood, woodyard layout, debarking and preparation of logs, storage and conveying, fire protection, chip feeders, and chip classification. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **PPS 1604 Finishing, Converting, and Shipping**

4 credits

Prerequisite: PPS 1114

Finishing, converting, and shipping of industrial products and converting and printing methods for various grades of paper. Methods of assurance that finished product meets physical conditions specified by the customer. In the laboratory portion, proper methods for performing physical tests on paper and quality tests on finishing solutions such as starch and clay coatings. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **PPS 1702 Paper Machine Dry End Operations**

2 credits

Prerequisite: PPS 1114

Basic understanding of equipment used in the drying and finishing processes of papermaking including equipment function, capability, and design. The relationship between machine process variables and their effect on the physical properties of paper. The laboratory portion devoted to methods and techniques of performing physical tests on paper. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### **PPS 1802 Paper Surface Treatments**

2 credits

Prerequisite: PPS 1114

External sizing, pigment coatings, and calendaring as well as size press designs and solutions utilized in external sizing. Coater designs and pigment portion focuses on coating formulation and quality tests performed on surface solutions applied at the size press, coaters, or calender stacks. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### **PSCI Courses (Political Science)**

#### **PSCI 2213 American National Government**

3 credits: 3 hours lecture

Constitutional principles, political parties and public opinion, civil rights, organization and functions of the executive, legislative, and judicial branches.

#### **PSCI 2223 State Government of Arkansas**

3 credits: 3 hours lecture

An analysis of state and local government with an emphasis on Arkansas.

#### **PSCI 2233 Comparative Politics**

3 credits: 3 hours lecture

Comparative analysis of structures, processes, and problems of selected world powers.

#### **PSCI 2283 Research Methods in the Social Sciences (same as C J 2283)**

3 credits: 3 hours lecture

An overview of social science research methodology focusing on creating research designs, developing appropriate measures, creating testable hypotheses, and developing research skills.

#### **PSCI 2293 Law and Society (same as C J 2293)**

3 credits: 3 hours lecture

Courts, law, and the legal system; law and politics; judicial philosophy and biography.

#### **PSCI 2353 World Politics**

3 credits: 3 hours lecture

An introduction and overview of the structures and processes of the international system, looking at institutions, events, and historical trends.

#### **PSCI 3313 Statistics for the Social Sciences (same as C J 3313)**

3 credits: 3 hours lecture

Prerequisite: PSCI 2283 or C J 2153 or permission of instructor

Introduction to use and of interpretation of statistics in criminal justice and political science. Offered every spring.

#### **PSCI 3403 American Political Parties**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Development, organization, and changing role of political parties, including nominations, elections, and voting behavior, and the impact of the mass media.

#### **PSCI 3413 Constitutional Criminal Procedure (same as C J 3243)**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Analysis of procedural limitations on law enforcement and in the prosecution of crimes with an emphasis on cases dealing with the fourth, fifth, sixth, and eighth amendments.

#### **PSCI 3423 U.S. Congress**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

U.S. Congress and the committee system, executive legislative relations, U.S. Congress and the federal bureaucracy, and reform proposals.

#### **PSCI 3433 Public Administration**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Trends and organization of public administration; administrative powers and responsibilities; policy making and intergovernmental relations; and the regulatory commissions.

#### **PSCI 3443 Middle East Politics**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Contemporary politics in the Middle East; emphasis on the political cultures, institutions, ideologies, and conflicts in the modern Middle East.

#### **PSCI 3463 International Relations**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Modern diplomacy, alliances and treaties, power politics, and international organizations.

#### **PSCI 3573 Contemporary Political Ideologies**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

A study of the political patterns of today's world, explaining the instruments,

functions, and theories intertwined in modern ideologies. Emphasis on the predominant theories and thinkers of democracy, communism, and the aspects of an authoritarian or totalitarian regime.

**PSCI 3583 European Politics**

3 credits: 3 hours lecture

This course focuses on the political structures, transitions, and political culture of the European continent. It looks at the impact of political parties, social and ethnic cleavages, security issues, and supranational organizations in a broadly defined Europe.

**PSCI 374V Field Study in Political Science (same as C J 374V)**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213 or C J 1013

A field study consisting of travel, observation, and study of different political and legal institutions and agencies. May be repeated for a maximum total of 12 hours either in political science exclusively or a maximum total of 12 hours combined with C J 374V.

**PSCI 4493 Civil Liberties and Civil Rights (same as C J 4493)**

3 credits: 3 hours lecture

Prerequisite: PSCI 2293 or C J 2293

Focuses on citizen's fundamental rights and how decisions made within the Federal Court system have affected those rights and liberties.

**PSCI 4603 The American Presidency**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Powers and duties of the American Presidency, including domestic, economic, and foreign policy dimensions, growth of presidential power, and presidential personality.

**PSCI 4613 Public Management (same as C J 4383)**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Nature of bureaucratic organization and changing themes in organizational theory; fiscal and personnel policy; public unions and collective bargaining; leadership, communication, and motivation.

**PSCI 462V Seminar in Political Science**

Variable credit

Prerequisite: PSCI 2213

Selected topics with extensive readings, and class discussions. May be repeated for a total of 12 hours credit.

**PSCI 4643 American Foreign Policy**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Decision making in foreign policy with emphasis on case studies.

**PSCI 4663 American Constitutional Law**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Principles, practices, and basic features of constitutional law with emphasis on the role of the Supreme Court, federalism, national powers, and individual rights.

**PSCI 4673 Global Studies**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Nature and analysis of contemporary global issues. Emphasis on frameworks

for analyzing global problems and in-depth acquaintance with selected world issues.

**PSCI 4683 Western Political Theory**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Major political thinkers and their ideas with emphasis on more recent political theories.

**PSCI 4693 Developing Nations**

3 credits: 3 hours lecture

Prerequisite: PSCI 2213

Governments and major problems facing nations in the lesser developed world.

**PSCI 478V Internship**

Variable credit

Supervised learning experience in a government or private agency. May be repeated for credit up to 6 hours.

**PSCI 479V Independent Study in Political Science**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

**PSY Courses  
(Psychology)**

**PSY 1013 Introduction to Psychology**

3 credits: 3 hours lecture

Survey of the science of behavior.

**PSY 1023 Advanced General Psychology**

3 credits: 3 hours lecture

Prerequisite: PSY 1013

In depth coverage of basic psychological concepts, providing the core of knowledge necessary for understanding the sub-disciplines of psychology.

**PSY 2294 Experimental Psychology**

4 credits: 3 hours lecture, 2 hours laboratory

Prerequisite: PSY 1013

Corequisite: PSY 2203

Introduction to research methods and procedures used to design, conduct and analyze psychological research. Offered every spring.

**PSY 2203 Statistical Methods**

3 credits: 3 hours lecture

Prerequisites: PSY 1013 and MATH 0183

Introduction to the use and interpretation of statistics.

**PSY 2263 Mental Health**

3 credits: 3 hours lecture

Prerequisite: PSY 1013

A survey of the techniques necessary for making a positive adjustment to our environment.

**PSY 3243 Social Psychology**

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Study of social behavior through group dynamics and mass communication.

**PSY 3253 Adolescence**



3 credits: 3 hours lecture

Prerequisite: PSY 1013

Physical, mental, and emotional development of children and adolescents including social adaptation, interests, attitudes, and ideals.

#### PSY 3413 Psychology of Learning

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Major empirical findings and theoretical positions in the psychology of learning.

#### PSY 3423 Industrial Psychology

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Applications of psychology in industry, including personnel selection, placement, and counseling, engineering and organizational psychology, labor relations, the consumer, and survey research.

#### PSY 3433 Child Development

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Surveys major research findings and theories concerning development from conception through adolescence.

#### PSY 3443 Developmental Psychology

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Comprehensive study of individual development from conception to death.

#### PSY 3453 Exceptional Children

3 credits: 3 hours lecture

Prerequisite: PSY 3433

Atypical children; survey of major findings related to the causes and nature of deviations.

#### PSY 3463 Principles of Guidance and Counseling

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Interviewing skills, counseling techniques, and theories of interpersonal dynamics.

#### PSY 3473 Human Sexuality

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Physiological, psychological, and sociological aspects human sexual behavior, with emphasis on healthy adjustment.

#### PSY 3483 Physiological Psychology

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Introduction to the biological bases of behavior including the role of neurology, sensory physiology, and endocrinology in the mediation of behavior.

#### PSY 3493 Fundamentals of Measurement

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Basic psychometric concepts, methods, and problems the use of aptitude, interest, personality, and psychodiagnostic tests.

#### PSY 4603 History and Systems in Psychology

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Study of the theoretical issues important in the history of psychology.

#### PSY 4623 Psychology of Personality

3 credits: 3 hours lecture

Prerequisite: PSY 1013

A study of the dynamics and nature of the normal personality.

#### PSY 4633 Gerontology

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Deals with psychology of aging and methods of working with the aging.

#### PSY 4643 Applied Human Service Skills

3 credits: 3 hours lecture

Prerequisites: PSY 3463 or PSY 4623

Advanced training in the areas of counseling, legal issues, professional ethics, and intervention techniques. Students learn a systematic approach to client-centered problem solving.

#### PSY 465V Practicum in Psychology

Variable credit

Prerequisite: 12 hours in psychology and permission of staff

Supervised field experience in special areas. Students may not enroll for more than 6 hours per semester and not more than a total of 9 hours.

#### PSY 4673 Abnormal Psychology

3 credits: 3 hours lecture

Prerequisite: PSY 1013

Study of the dynamics and diverse patterns of deviant behavior.

#### PSY 4683 Seminar

3 credits: 3 hours lecture

Prerequisite: Junior standing

Opportunity for in depth study of selected topics in psychology. Special emphasis on contemporary research.

#### PSY 479V Independent Study in Psychology

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## SAF (Safety)

#### SAF 1203 Industrial Safety

3 credits

Development of industrial safety, causes and costs of accidents, basic factors of accident control, and implications of state and federal regulations. Emphasis on personal responsibility for safety. CPR and Basic First Aid instruction included. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

## SCED Courses (Science Education)

**SCED 3653 Science for Middle School Teachers**

3 credits: 3 hours lecture

Prerequisite: 8 hours of laboratory science courses

Selected topics in astronomy, earth science, and physical science and their interrelationships. Discovery, demonstrations, and laboratory experiences.

**SCED 468V Science Teaching Methods**

Variable credit, may be repeated for a maximum of 4 hours

Prerequisites: 20 hours of laboratory science

Methods and strategies of secondary science instruction in biology, chemistry, physics and physical science. Development of lesson plans and teaching of laboratory activities will be emphasized. Clinical experience in freshman-level science laboratories will constitute a major part of the course.

**SER  
(Small Engine Repair)****SER 1102 Introduction to Small Engines**

2 credits

Operation of small engines, minor repair procedures, and preventive maintenance for two- and four-cycle engines. Practical application provided through laboratory experience. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

**SIS Courses  
(Spatial Information Systems)****SIS 1001 Introduction to Spatial Information Systems (SIS)**

1 credit: 1 hour lecture

Introduction to computer systems, geographic information systems (GIS), global positioning systems (GPS), remote sensing, surveying, and the Spatial Information Systems Program. Students will be introduced to spatial technology terminology. Offered: Fall.

**SIS 2014 Boundary Surveying**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisite: SIS 2023

Corequisite: MATH 1033

History of Public Land Surveying Systems (PLSS), evolution of the rectangular system of land subdivision, description and computation of land areas, past and current monumentation procedures, use of surveying instruments in the field, determination of property boundaries. Evidence and procedures for boundary determination will be discussed. Offered: Fall.

**SIS 2023 Geographic Coordinate Systems and Cartography**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: CIS 2223 and MATH 1043

Corequisite: MATH 1033

Basic coordinate geometry and coordinate systems commonly used in spatial information systems will be covered. This will include Cartesian coordinates, State Plane coordinate systems, Latitude and Longitude, Universal Transverse Mercator coordinates, and the United States Public Land Survey System grid. Horizontal and vertical datums will be discussed. In lab, students will work with AutoCAD and Land Development Desktop. Offered: Spring.

**SIS 2114 Plane Surveying**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: SIS 2023 and MATH 1033

Corequisite: CIS 2223

Measuring horizontal and vertical distances and angles, collection and adjustment of traverse data, area calculations, differential and trigonometric leveling, topographic surveys, control surveys, basics of astronomical observations, basic GPS theory, computations using the State Plane Coordinate System and the creation of plats using computer-aided design (CAD). Offered: Fall.

**SIS 3153 Survey Plats and Deeds**

3 credits: 3 hours lecture

Prerequisites: MATH 1073 or MATH 2255; SIS 2014 and SIS 2114

Writing deeds and preparing plats. Terminology used in metes and bounds, condominium, coordinate, and subdivision descriptions. Legal definitions, Arkansas state code for filing plats, required plat and deed information, deed and plat searches in county records. Offered: Spring.

**SIS 3264 Route and Construction Surveying**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: MATH 1073 or MATH 2255; SIS 2023 and SIS 2114

Construction of horizontal, vertical and spiral curves, cuts and fills, volume determination, road layout and construction, building layout, design and layout of a subdivision; all computer assisted. Offered: Spring.

**SIS 378V Undergraduate Research**

Variable Credit

Prerequisites: Research proposal approved by the Dean and the instructor

NOTE: May be repeated for a maximum of 6 hours of credit

Literature search and laboratory or field work on individual research projects. Written and oral reports required. Requirements are documented in the Undergraduate Education Handbook. Offered: On demand.

**SIS 3814 Introduction to GIS, GPS and Remote Sensing**

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: CIS 2223 and MATH 1043 or MATH 1175

Introduction to Geographic Information Systems (GIS) using both raster and vector spatial data models, with hands on experience utilizing computers to aid problem solving. Applications to be mastered include data entry, verification, database construction, cartographic modeling, and mapping of spatial data. Application of Global Positioning Systems (GPS) is described and utilized. Basic concepts of remote sensing are introduced. Offered: Fall, Spring.

**SIS 3843 Advanced Geographic Information Systems (GIS) I**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FOR 3353 and SIS 3814

Covers spatial database structures, cartographic models, raster analyses, GIS raster modeling techniques to delineate watersheds and determine viewsheds, display of GIS data in three dimensions, and customized GIS software. Offered: Spring.

**SIS 3923 Remote Sensing**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FOR 3353 and SIS 3814

Remote sensing concepts including both electronic and analog sensor systems, land cover classification, rectifying and registering images, and digital mapping will be discussed. Offered: Fall.

### SIS 3933 Spatial Statistics

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FOR 3353 and SIS 3843

An analytical, problem-based course that explores the field of spatial statistics. Topics include distance sampling, interpolation methods such as inverse distance weighting, kriging, co-kriging, and point pattern analyses. Offered: Fall.

### SIS 4193 Advanced Geographic Positioning Systems

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: SIS 3814 and MATH 1033

Advanced concepts in global positioning systems (GPS) and the hardware and software to implement them. Topics include advanced mapping-grade data collection techniques, acquiring survey quality data, and using real-time kinematics. Offered: Fall.

### SIS 4183 Law and Professionalism in Geomatics

3 credits: 3 hours lecture

Prerequisite: SIS senior standing

Interpretation of legal statutes pertaining to surveying and mapping, cadastral and riparian rights, adverse possession, legal authority of spatial information systems personnel, preparation for court appearances, and conduct in court. Discussion of the moral and ethical principles guiding the professional conduct of spatial information systems personnel, professional societies' codes of ethics, moral and legal obligation to clients and community. Arkansas surveyor's code of ethics. Offered: Fall.

### SIS 4454 Advanced Surveying

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: FOR 3353 and SIS 3264

Partitioning of land, introduction to vector and matrix algebra, least squares adjustment of data, map projections and state plane coordinates, coordinate transformations, triangulations, standards of accuracy and error propagation. Global positioning systems (GPS) surveying. Offered: Fall.

### SIS 4463 Digital Remote Sensing

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FOR 3353 and SIS 3923

Advanced digital remote sensing concepts for mapping, landcover classification, and analysis of spectral data. Offered: Fall.

### SIS 4633 Digital Photogrammetry

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: SIS 3923

Image mosaicing, digital orthophoto creation, aerial triangulation, single image and block triangulation, ground control, digital terrain modeling extraction, orthorectification, and mono and stereo terrain model editing. Offered: Spring.

### SIS 4703 Cooperative Education in Spatial Information Systems

3 credits

Practical training with a public agency, industrial, or private firm. Written report required for each work experience. Requirements documented in Cooperative Education Handbook. Offered: On demand.

### SIS 4713 Advanced Geographic Information Systems (GIS) II

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: SIS 3843 and CIS 4623

Network analysis for solving transportation and routing problems; metadata creation tools and standards; advanced Global Positioning Systems (GPS); and data services, including the design of a data server and an internet-enabled GIS. Customize GIS to be incorporated into existing internet packages for display

and presentation on the internet. Offered: Fall.

### SIS 475V Advanced Topics

Variable credit

Prerequisites: Junior standing, consent of instructor, and approval of School Dean

Lectures and discussions in selected Spatial Information System topics. Offered: On demand.

### SIS 479V Independent Study in Spatial Information Systems (SIS)

Variable credit

Consult the Independent Study Courses section in the Academic Regulations chapter of this catalog for prerequisites and description. Offered: On demand.

### SIS 4886 SIS Practicum

6 credits: 1 hour lecture, 15 hours laboratory

Prerequisites: GIS option: SIS 4183 and SIS 4713; SIS senior standing.

Surveying option: SIS 3814, 4183, 4454 and SIS senior standing

An integrated problem solving course that uses geographic information systems (GIS), remote sensing, global positioning systems (GPS), and surveying to address real world problems. Students will work with a federal, state, private, or non-profit agency using spatial technologies in their area of specialization to solve real world problems for that agency. Offered: Spring.

## SOC Courses (Sociology)

### SOC 2213 Introduction to Sociology

3 credits: 3 hours lecture

An introduction to the scientific study of society and human behavior as products of social interaction. An overview of the major sociological perspectives and research methods of socialization, culture, social structure, social institutions, social inequality, and social interaction.

### SOC 2223 Social Problems

3 credits: 3 hours lecture

Overview of contemporary social problems in the U.S., such as crime, poverty, substance abuse and addiction, racial, ethnic and gender inequality, health care access, and the impact of environmental disruptions on social systems.

### SOC 2283 Research Methods in Social Sciences (same as C J 2283; PSCI 2283)

3 credits: 3 hours lecture

An overview of social science research methodology focusing on creating research designs, developing appropriate measures creating testable hypotheses, and developing research skills.

### SOC 3413 The Family

3 credits: 3 hours lecture

The broad overview of the nature and functions of the family as a social institution across time and social organization. Examines the nature and functions of the family in U.S. society from 1600s to the present and relates these patterns to changes in the larger society. Emphasis on changes in the family since the 1960s.

### SOC 3453 Race and Ethnic Relations

3 credits: 3 hours lecture

Analysis of ethnic relations within the U.S. through an examination of the core culture, the distinctive experiences of Native Americans and Hispanics as conquered peoples, the forced immigration of African Americans and the voluntary immigration of other ethnic groups, the contributions of various ethnic groups

to U.S. culture and the inherent challenges of a pluralistic society.

**SOC 3543 Learning Through Community Service (same as SWK 3543)**

3 credits: 1 hour lecture, 8 hours field experience per week

Prerequisites: Junior or senior standing or permission of instructor

Students have an opportunity to develop knowledge of and basic skills in social service work through experience in agencies or other community settings. A minimum of 110 hours of field experience for the semester is required.

**SOC 4373 Criminology (same as C J 4273)**

3 credits: 3 hours lecture

Prerequisites: Junior or senior standing or permission of instructor

Theories of the nature and causes of crime, and analysis of various kinds of crimes.

**SOC 4513 Drugs and Society (same as C J 4413)**

3 credits: 3 hours lecture

Prerequisites: Junior or senior standing or permission of instructor

An overview of the drug problem in the U.S. including an analysis of both legal and illegal drugs commonly abused. Emphasis on the criminal justice system's response to the use, possession, and distribution of illicit drugs in our society.

**SOC 4643 Population Problems**

3 credits: 3 hours lecture

Population growth, distribution, composition, and migration in relation to political, social, economic, and ecological implications.

**SOC 4663 Seminar in Sociology**

3 credits: 3 hours lecture

Selected topics with extensive readings and class discussions. May be repeated for up to 9 hours credit.

**SOC 4673 Terrorism and Social Change**

3 credits: 3 hours lecture

Prerequisite: junior or senior standing, or permission of the instructor

An interdisciplinary social science approach to international terrorism that analyzes the nature, forms and history of a distinctive type of violence that may promote social change or as an outcome of social change. Emphasis on current international terrorist groups, their political goals, strategies, targets and resources.

**SOC 479V Independent Study in Sociology**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## SOSC Courses (Social Science)

**SOSC 4653 Teaching Secondary Social Studies**

3 credits: 3 hour lecture

Prerequisites: Junior or senior standing and admission to teacher education.

Methods of teaching social studies at the secondary level. Includes teaching applications in social science disciplines; design of lesson plans, instructional materials, and tests; performance, evaluation and critique of micro-classroom teaching.

## SPAN Courses (Spanish)

**SPAN 1003 Elementary Spanish I**

3 credits: 3 hours lecture

An introduction to the essentials of the Spanish language. It is designed to develop the four basic language skills: listening, speaking, reading, and writing. It emphasizes standard pronunciation, functional syntactical structures, vocabulary, and idiomatic expressions, as well as an awareness of Hispanic cultures.

**SPAN 1013 Elementary Spanish II**

3 credits: 3 hours lecture

Prerequisite: SPAN 1003

A continuation of the essentials of the Spanish language in Spanish 1003. It is structured to develop a solid foundation of the four basic language skills with major emphasis on the oral and written communicative skills and an understanding of Hispanic cultures.

**SPAN 2203 Intermediate Spanish I**

3 credits: 3 hours lecture

Prerequisite: SPAN 1013

Review of the linguistic essentials and expansion of syntax, vocabulary, idiomatic expressions, and concepts of Hispanic cultures studied during the first year. It is designed to continue emphasizing oral and written communicative skills.

**SPAN 2213 Intermediate Spanish II**

3 credits: 3 hours lecture

Prerequisite: SPAN 2203

An extension of SPAN 2203 including a systematic review of grammatical topics. It introduces selected readings in Spanish to develop reading comprehension for analysis and commentary. It is designed to develop the student's ability to function linguistically within the Hispanic world.

**SPAN 3503 Conversational Spanish I**

3 credits: 3 hours lecture

Prerequisite: SPAN 2213

Intensive oral practice. It is designed to develop listening comprehension, oral proficiency, and vocabulary through analyses, discussions, and oral and written commentaries on selected readings in Spanish, films, and audio recordings.

**SPAN 3513 Conversational Spanish II**

3 credits: 3 hours lecture

Prerequisite: SPAN 3503

Continued emphasis on oral and written proficiency in Spanish. Students develop an appreciation of Spanish literature through readings and discussions of magazine articles, short stories, essays, and poetry.

**SPAN 3603 Advanced Modern Spanish Grammar and Composition**

3 credits: 3 hours lecture

Prerequisite: SPAN 2213

Designed to cover problematic areas of Spanish syntax and usage and to perfect the student's linguistic skills through oral practice and writing of standard Spanish prose. Course highly recommended to students who wish to continue their studies in Spanish, seek teaching certification in Spanish or bilingual education, or desire to use it as their graduate language tool.

**SPAN 3613 Cultures and Civilizations of Spain and Spanish America**

3 credits: 3 hours lecture

Prerequisite: SPAN 2213

Designed to give a panoramic view of Spanish and Spanish American cultures and civilizations. It emphasizes salient aspects of historical and current social and political perceptions; cultural traditions and contributions; their geographical influence on the rest of the world; their art, letters, and music; and their role in the modern world. The course is interdisciplinary.

**SPAN 3623 Survey of Major Hispanic Literatures**

3 credits: 3 hours lecture

Prerequisite: SPAN 2213

Designed to offer students the opportunity to examine various forms and themes of major Spanish American literary works. Readings include selections in Spanish from the twelfth century to the present. The course is conducted in Spanish.

**SPAN 4633 Seminar in Spanish Studies**

3 credits: 3 hours lecture

Prerequisite: SPAN 2213

A detailed study of a special topic area in Spanish. It may be repeated when the topic varies for a total of six semester credit hours with the approval of the unit chairperson.

**SPAN 479V Independent Study in Spanish**

Variable credit

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description.

## **SPCH Courses (Speech)**

**SPCH 1013 Voice and Diction**

3 credits: 3 hours lecture

Articulation and pronunciation including an introduction to phonetics.

**SPCH 1023 Public Speaking**

3 credits: 3 hours lecture

Principles of audience analysis, collection of materials, and outlining. Emphasis on careful preparation of speech and delivery. May not be taken for credit by students who have taken SPCH 1043.

**SPCH 1043 Honors Speech Communication**

3 credits: 3 hours lecture

Prerequisite: Minimum ACT composite score of 24 or Dean=s permission. Performance course emphasizing research and persuasion on a more sophisticated level than that in SPCH 1023. NOTE: Fulfills General Education requirement for speech. May not be taken for credit by students who have taken SPCH 1023.

**SPCH 2203 Interpersonal Communication**

3 credits: 3 hours lecture

Promotes conceptual understanding of relevant theory and research with a combination of theory, skills practice, and competency evaluation.

**SPCH 2223 Mass Communication**

3 credits: 3 hours lecture

NOTE: May be used either for speech or journalism credit, but not for both. Survey of historical, economic, and political influences of mass communication on society and individuals.

**SPCH 2243 Technical Theater Arts**

3 credits: 3 hours lecture

Theory and practice of technical theater (set, stage properties, costumes, light, and make-up). Laboratory hours in addition to regular class meetings assigned by instructor.

**SPCH 2273 Argumentation and Debate**

3 credits: 3 hours lecture

Prerequisite: SPCH 1023

Principles of argumentation and place of debate in democratic government, analysis of propositions, proper use of evidence and reasoning, case construction, and persuasive speech

**SPCH 2283 Business and Professional Speech**

3 credits: 3 hours lecture

Oral communication needs of professional persons. Practice in the construction and delivery of various types of speeches and participation in group conferences, discussions, and interviews.

**SPCH 2293 Introduction to Communication Studies**

3 credits: 3 hours lecture

Prerequisites: Completion of ENGL 1023 or ENGL 1043 and general education speech course or permission of the Dean.

Prepares students for upper level courses in the speech discipline by introducing them to the specialized areas of study, general theories, and critical thinking skills necessary for advanced work.

**SPCH 340V Intercollegiate Debate/Forensics**

Variable credit

Prerequisite: SPCH 2273

One or two hours credit given to students participating in activities designed to enhance and test skills in competitive speaking and debate. Includes study and activities related to the directing of speech tournaments, festivals, and exhibitions. Students concurrently enrolled in SPCH 2273 may enroll for only 1 hour credit.

**SPCH 3413 Intercultural Communication**

3 credits: 3 hours lecture

Practical and theoretical approach to communication across cultures. Perceptions, language use, nonverbal style, thinking modes, and values will be explored. Emphasis will be placed on communicating with individuals and groups from cultures around the world as well as diverse cultures within the United States.

**SPCH 3453 Persuasion**

3 credits: 3 hours lecture

The theory and practice of persuasion in rhetorical and behavioral contexts as a means of motivating human conduct.

**SPCH 3483 Communication in Small Groups**

3 credits: 3 hours lecture

Practical and theoretical study of communication during decision making, conflict management, and interpersonal interaction in task-oriented work groups.

**SPCH 3513 Introduction to Oral Interpretation**

3 credits: 3 hours lecture

Study and techniques of interpretative reading.

**SPCH 3523 Acting**

3 credits: 3 hours lecture

Prerequisite: SPCH 2243 or consent of instructor

A detailed study of character analysis, creation, and stage movement.

**SPCH 3533 Communication in Organizations**

3 credits: 3 hours lecture

Theory and analysis of communication behaviors within the organization.

**SPCH 359V Communication Practicum**

Variable credit

Prerequisites: SPCH 2293 and 9 additional hours in speech or permission of Dean.

NOTE: May be repeated for a total of 6 hours credit with approval of the Dean. Introduction to research methods in communication in the context of assisting with faculty research. Limited to campus-based work supervised by a member of the faculty engaged in active research.

**SPCH 4623 Seminar in Speech**

3 credits: 3 hours lecture

Prerequisites: SPCH 2293 and 9 additional hours in speech or permission of Dean.

NOTE: May be repeated for a total of 12 hours credit with permission of Dean. Detailed study of one of the major areas of speech, emphasizing assigned readings and individual research resulting in a completed project or paper.

**SPCH 4633 Senior Capstone in Speech Communication**

3 credits: 3 hours lecture

Prerequisites: SPCH 2293, Senior Standing, Speech Major

A semester-long assessment project where the senior speech communication student works with a mentor to prepare the graduation portfolio, work toward professional employment, and complete other activities, including service learning, during which a research paper/project is undertaken with the guidance of a faculty mentor leading to a presentation in a public forum with at least three (3) members of the speech faculty present.

**SPCH 4643 Directing**

3 credits: 3 hours lecture

Prerequisite: SPCH 2243

A detailed study of basic interpretation, casting, rehearsal procedures, and director-actor relationships in an analysis and creation of character.

**SPCH 4653 Theories of Human Communication**

3 credits: 3 hours lecture

Origin and development of basic concepts in communication theory. Survey and analysis of communication theories and models used in quantitative and qualitative research. An applied research paper is required.

**SPCH 4663 Performance Studies**

3 credits: 3 hours lecture

Prerequisite: SPCH 3513

Cutting, arranging, and delivery of all literary forms and development of original character studies. Special emphasis on program building.

**SPCH 468V Communication Internship**

Variable credit

Prerequisites: SPCH 2293 and 9 additional hours in speech or permission of Dean.

NOTE: May be taken for a total of 6 credit hours.

Off-campus work placement in a setting where students apply both theoretical and practical knowledge of communication under the dual direction of a faculty member and a worksite supervisor. Contract required.

**SPCH 479V Independent Study in Speech**

Variable credit

Prerequisites: SPCH 2293 and 9 additional hours in speech (See other restrictions under the Independent Study Courses of this catalog.)

NOTE: May be taken for a total of 6 credit hours toward the major.

Independent research work that expands on any of the formal courses listed in the curriculum. Production of a formal research paper or project required.

**SPCH 4903 Seminar in Teaching Speech**

3 credits: 3 hours lecture

Prerequisite: SPCH 2293 and 9 additional hours in speech.

NOTE: Must be enrolled in education curriculum and have senior standing to be eligible.

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophical development, test design and evaluation, and materials for on-site teaching.

**SWK Courses**

**(Social Work)**

**SWK 1013 Introduction to Social Work**

3 credits: 3 hours lecture

An introduction to the profession of social work, methods and fields of social work practice, social welfare, and the empowering approach to the generalist social work method.

**SWK 2133 Human Behavior in the Social Environment I**

3 credits: 3 hours lecture

Prerequisites: PSY 1013, SOC 2213 and SWK 1013, or permission of instructor. First HBSE course presents human development theories in the context of biological,

social, cultural, psychological, and physical environments that help shape behavior. The focus is on conception to young adulthood.



**SWK 2233 Human Behavior in the Social Environment II**

3 credits: 3 hours lecture

Prerequisite: SWK 2133 or permission of instructor

Second HBSE course presents human development theories in the context of biological, social, cultural, psychological, and physical environments that help shape behavior. The focus is on middle adulthood to death.

**SWK 3113 Generalist Social Work Practice I**

3 credits: 3 hours lecture

Prerequisites: SWK 1013 and SWK 2233

First practice course covers the theory and skills of the generalist method of social work. The focus is on individuals, small groups, and families using the empowering processes from forming partnerships to analyzing resource capabilities. Restricted to Social Work majors.

**SWK 3143 Social Welfare Policy I**

3 credits: 3 hours lecture

Prerequisite: SWK 1013 or permission of instructor

First course on social policy covers the historical roots of social policy and the history of the United States of America's social welfare policy, and introduces policy analysis frameworks.

**SWK 3213 Generalist Social Work Practice II**

3 credits: 3 hours lecture

Prerequisite: SWK 3113

Second practice course covers the theory and skills of the generalist method of social work. Its focus is on individuals, small groups, and families, using the empowering processes from framing solutions to integrating gains. Restricted to Social Work majors.

**SWK 3223 Social Welfare Policy II**

3 credits: 3 hours lecture

Prerequisite: SWK 3143 or permission of instructor

Second course on social policy covers current social welfare policies, policy analysis, and program evaluation.

**SWK 3243 Methods of Social Work Research**

3 credits: 3 hours lecture

Prerequisite: PSY 2203 or permission of instructor

An introduction to the methods used in conducting quantitative and qualitative research. Social work values and ethics and issues of diversity are given special attention.

**SWK 3513 Child Abuse and Neglect**

3 credits: 3 hours lecture

Presents major topics in the area of child abuse and neglect, such as warning signs, use of appropriate services, and prevention. Examines theories about the biological, psychological, and environmental causes of child abuse and neglect and their impact across the lifespan. Includes content on working with at-risk children in home and school environments and the partnership roles of parents, teachers, and social workers.

**SWK 3543 Learning Through Community Service**

3 credits: 1 hour lecture, 8 hours field experience per week

Prerequisites: SWK 1013, or both SOC 2213 and PSY 1013, or permission of instructor

Students have an opportunity to develop knowledge of and basic skills in social service work through experience in agencies or other community settings. A

minimum of 110 hours of field experience for the semester is required.

**SWK 3653 Special Topics in Social Work**

3 credits: 3 hours lecture

This course is an examination of various topics of interest to social work and other human service majors. Topics include diversity advocacy, aging, community organization, poverty, and social justice. This course is available on a rotating basis or as interest indicates. Students can repeat this course for up to 6 hours of credit.

**SWK 3663 Family Centered Services**

3 credits: 3 hours lecture

This course covers the concepts of family centered practice, family preservation, and related child welfare issues, with an emphasis on intervention strategies and services.

**SWK 3813 Children and the Law**

3 credits: 3 hours lecture

This course covers the legal principles related to children. It includes in depth coverage of the Arkansas Juvenile Code, Child Maltreatment Act, and other applicable statutes.

**SWK 3913 Crisis Intervention**

3 credits: 3 hours lecture

This course examines the basic theory and skills of crisis intervention, including concepts, constructs, and techniques.

**SWK 4274 Social Work Internship I**

4 credits: 15 hours field experience per week

Prerequisite: SWK 4313

Corequisite: SWK 4282

Arranged in connection with social service agencies. Credit is based upon completion of all course objectives including a minimum of 200 hours of field work under the supervision of a licensed social worker. This course must be taken concurrently with Social Work Field Seminar I. Restricted to Social Work majors.

**SWK 4282 Social Work Field Seminar I**

2 credits: 2 hours lecture

Prerequisite: SWK 4313

Corequisite: SWK 4274

An integrative seminar to assist students with comparing their practice experiences, integrating knowledge acquired in the classroom and expanding knowledge beyond the scope of the internship setting. This course must be taken concurrently with Social Work Internship I. Restricted to Social Work majors.

**SWK 4294 Social Work Internship II**

4 credits: 15 hours field experience per week

Prerequisites: SWK 4274 and SWK 4282

Corequisite: SWK 4302

Arranged in connection with social service agencies. Credit is based upon completion of all course objectives including a minimum of 200 hours of field work under the supervision of a licensed social worker. This course must be taken concurrently with Social Work Field Seminar II. Restricted to Social Work majors.

**SWK 4302 Social Work Field Seminar II**

2 credits: 2 hours lecture

Prerequisites: SWK 4274 and SWK 4282

Corequisite: SWK 4294

An integrative seminar to assist students with comparing their practice experi-

ences, integrating knowledge acquired in the classroom and expanding knowledge beyond the scope of the internship setting. This course must be taken concurrently with Social Work Internship II. Restricted to Social Work majors.

#### SWK 4313 Generalist Social Work Practice III

3 credits: 3 hours lecture

Prerequisite: SWK 3213

Third practice course covers the theory and skills of the generalist method of social work. Focus is on mid- and macro-level systems, employing the processes of empowerment practice learned in the first two practice courses. Restricted to Social Work majors.

#### SWK 4633 Generalist Social Work in Rural Environments

3 credits: 3 hours lecture

Emphasis is on the special considerations of generalist social work practice in rural and small town environments. Content includes theoretical concepts about rural life and institutions in contemporary society. Specific issues that concern rural populations and the generalist social worker are covered.

#### SWK 479V Independent Study in Social Work

Variable credit

Consult the Independent Study Courses section in the Academic Regulations chapter of this catalog for prerequisites and description.

### UST Courses (University Studies)

#### UST 1013 Contemporary Issues

3 credits: 3 hours lecture

NOTE: General elective credit only. May not be counted toward major, minor, or general education requirements. May not be repeated for credit. Survey of contemporary issues emphasizing international awareness and understanding.

#### UST 221V Field course

Variable credit

NOTE: Does not count toward major, minor, or general education. No more than 9 hours of field courses in University Studies can be counted toward graduation. A field experience in the subject indicated designed to enrich the student's background.

### WELD (Welding)

#### WELD 1103 Blueprint Reading

3 credits: 2 hours lecture, 1 hour lab

An introduction to all facets of reading and interpreting weld prints in accordance with American Welding Society (AWS) terminology. The course also introduces basic welding metallurgy, nondestructive examination symbols and coverage of geometric dimensioning and tolerancing. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1115 Basic Welding

5 credits: 2 hours lecture, 3 hours lab

Presentation of principles of oxy-acetylene cutting equipment settings, electrode usage and selection, safety procedures and practices, and basic arc welding. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1215 SMAW (Shielded Metal Arc Welding)

5 credits: 2 hours lecture, 3 hours lab

Corequisite: WELD 1115 or approval of administration and instructor

A study of theory and application of Shielded Metal Arc Welding (SMAW). Students will receive instruction and practice in all position welding and welding qualification test requirements and be administered welder qualification tests. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1315 GTAW (Gas Tungsten Arc Welding)

5 credits: 2 hours lecture, 3 hours lab

Prerequisites: WELD 1115 and 1215 or appropriate AWS certification for each course or approval of administration and instructor based on industry certifications/standards

A study of the principles of Gas Tungsten Arc Welding (GTAW) in relation to ferrous and nonferrous metals with practical application of carbon steel welding relative to work environments. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1401 Welding Lab I

1 credit: 1 hour lab

This course provides students with individualized instruction and lab experiences that reinforce welding principles and practices leading to AWS certification. Safety is emphasized. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1415 GMAW (Gas Metal Arc Welding)

5 credits: 2 hours lecture, 3 hours lab

Prerequisites: WELD 1115 and WELD 1215 or appropriate AWS certification for each course or approval of administration and instructor

A study of the principles of Gas Metal Arc Welding (GMAW) in relation to ferrous and nonferrous metals with practical application in aluminum, stainless steel and carbon steel. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1501 Welding Lab II

1 credit: 1 hour lab

Prerequisite: WELD 1401 or appropriate AWS certifications or approval of administration and instructor.

This course is a continuation of the individualized instruction and lab experiences provided in Welding Lab I to reinforce welding principles and practices leading to AWS certifications. Safety is emphasized. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

#### WELD 1513 Pipe Welding

3 credits: 1 hour lecture, 2 hours lab

Prerequisites: WELD 1215, 1315, and 1415 or AWS certification earned in each prerequisite course or approval of administration and the instructor. Instruction and lab activities are geared solely to developing the required skills to earn through testing AWS certification in pipe welding. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### WLD (Welding)



#### WLD 1102 Introduction to Welding

2 credits

Basic arc welding and metal cutting with the oxyacetylene torch. Designed for students enrolled in programs requiring a basic knowledge of welding. Safety is emphasized. This course may be transferable toward a limited number of associate and baccalaureate degrees. Contact advisor for information regarding transferability.

### WLF Courses (Wildlife)

#### WLF 2112 Introduction to Wildlife Conservation

2 credits: 2 hours lecture

An introduction to the major aspects of wildlife biology, ecology and management. The programs of various wildlife conservation and management agencies and organizations are discussed in detail. Offered: Fall.

#### WLF 2121 Wildlife Laboratory

1 credit: 3 hours laboratory

An overview of wildlife ecology and management. Field trips to observe and discuss the programs of various wildlife conservation and management agencies and organizations. Offered: Fall.

#### WLF 3314 Ichthyology/Herpetology

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: BIOL 1153 and BIOL1161

NOTE: Same as BIOL 3314

Taxonomy and natural history of fishes, amphibians, and reptiles, emphasizing the local fauna. Offered: Spring, odd years.

#### WLF 3324 Ornithology/Mammalogy

4 credits: 3 hours lecture, 3 hours laboratory

Prerequisites: BIOL 1153 and BIOL 1161

NOTE: Same as BIOL 3324

Taxonomy and natural history of birds and mammals, emphasizing the local fauna. Offered: Spring, even years.

#### WLF 3333 Contemporary Forest Resource Issues

3 credits: 3 weeks during Summer Camp

Prerequisite: Junior Standing

NOTE: Same as FOR 3333

Introduction to major resource issues, emphasizing field presentations of timber and non-timber forest resource management themes in both conifer and hardwood ecosystems. One and two week field trips are required. Offered: Summer I.

#### WLF 3343 Human Dimensions in Natural Resources

3 credits: 3 hours lecture

Prerequisites: PSY 1013 or SOC 2213; Junior Standing

NOTE: Two weekend field trips required.

NOTE: Same as FOR 3123

Foundations of human dimensions as it relates to natural resources and natural resource management. Includes the history, current trends, and future of human dimensions as a discipline. Stresses the management, leadership, and problem solving skills necessary to manage the human relations/natural resource interface. Offered: Fall.



**WLF 3413 Mammalogy**

3 credits: 3 hours lecture

Prerequisites: BIOL 1153 and BIOL 1161

Taxonomy, morphology, physiology, behavior, ecology, and conservation of mammals, emphasizing mammals that occur in the central and southeastern United States. Offered: Fall, odd years.

**WLF 3451 Mammalogy Lab**

1 credit: 3 hours laboratory

Prerequisites: BIOL 1153 and BIOL 1161

Corequisites: BIOL/WL F 3413 (Mammalogy Lecture)

Taxonomy and natural history of mammals, emphasizing Arkansas fauna. Offered: Fall, odd years.

**WLF 358V Natural History**

Variable credit

Prerequisite: 3 hours biology or 3 hours earth science

NOTE: May be taken for a maximum of three hours credit.

Same as BIOL 358V, ESCI 358V, and FOR 358V.

A field course in geology and biology of natural ecosystems, consisting of travel, study, and/or research in unique natural areas of North America. Offered: On demand.

**WLF 378V Undergraduate Research**

Variable Credit

Prerequisites: Research proposal approved by the Dean and the Instructor

NOTE: May be repeated for a maximum of 6 hours of credit

Literature search and laboratory or field work on individual research projects.

Written and oral reports required. Requirements are documented in the Undergraduate Education Handbook. Offered: On demand.

**WLF 3831 Wildlife Techniques I**

1 credit: 3 hours laboratory

Prerequisite: Junior Standing

This course gives students hands-on experience with some of the more common research and sampling techniques used for investigating wildlife populations. Offered: Spring.

**WLF 3841 Wildlife Techniques II**

1 credit: 3 hours laboratory

Prerequisite: Junior Standing

This course covers common wildlife habitat research and sampling techniques, and provides students with hands-on field experience. Offered: Fall.

**WLF 4003 Natural Resource Policy**

3 credits: 3 hours lecture

Prerequisite: Senior standing

NOTE: Same as FOR 4003

History and present status of natural resource-related policy in the U.S. Evolution of public and professional attitudes toward natural resources, major laws affecting management of public and private lands, policy-making processes, and professional ethics. Study of major policy issues affecting renewable natural resources and procedures for responding to those issues in management decision-making. Topics include individual and group involvement in natural resource planning, environmental issues, and regulation of forestry practices. Offered: Fall.

**WLF 4691 Seminar**

1 credit: 1 hour lecture

Prerequisite: Senior Standing

NOTE: Same as FOR 4691

Emphasizes the planning, organizational, and audio/visual computer skills necessary for delivering professional presentations. Oral presentations to students, staff and faculty. Offered: Spring.

**WLF 4712 Wildlife Management**

2 credits: 2 hours lecture

Prerequisite: Junior Standing

Management of habitat and populations for both wildlife and human benefits. Emphasis on evaluation and manipulation of habitat quantity and quality, and fundamental wildlife population characteristics. Offered: Fall.

**WLF 4722 Wildlife Ecology**

2 credits: 2 hours lecture

Prerequisite: Junior Standing

A thorough review of basic ecological principles such as population ecology, inter- and intra-specific competition, predation, and disease, as they relate to wildlife conservation and management. Offered: Spring.

**WLF 4753 Cooperative Education in Wildlife Management**

3 credits

Practical training with a public agency or industrial firm. Written report required for each work experience. Requirements documented in Cooperative Education Handbook. Offered: On demand.

**WLF 479V Independent Study in Wildlife Management**

Variable credit.

Consult the Independent Study Courses subheading in the Academic Regulations section of this catalog for prerequisites and description. Offered: On demand.

**WLF 480V Advanced Topics**

Variable credit

Prerequisites: Junior standing, consent of instructor, and approval of School Dean

Lectures and discussions in selected wildlife topics. Offered: On demand.

**WLF 4823 Integrated Resource Planning and Management**

3 hours: 9 hours laboratory

Prerequisites: SIS 3814, WLF 3343, 3831, 3841, 4003, 4612, and 4702

NOTE: Same as FOR 4823

Integrated problem solving to apply biological, ecological, quantitative, economic, social, political, and administrative principles in solving natural resource management problems. Offered: Spring.



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# Graduate Programs



## Graduate Degrees Offered

The University of Arkansas at Monticello offers four master's degree programs:

Master of Science (M.S.) Degree in Forest Resources

Master of Education (M.Ed.) Degree

Master of Education (M.Ed.) Degree in Educational Leadership

Master of Arts (M.A.T.) Degree in Teaching

## Admission to the University

All students must be admitted to the University before they may enroll in graduate classes. A completed application for graduate school must be submitted to the Office of Admissions. Students who have earned a baccalaureate degree from an accredited institution and who have achieved a minimum cumulative grade point average of 2.50 or better may be unconditionally admitted to the University and enroll in graduate-level courses.

Graduate school applicants are required to submit an official transcript verifying their baccalaureate degree. Students who do not submit an official transcript may be admitted provisionally. Provisional students may not enroll for a second semester without the required documents. Graduate students living in a UAM residence hall must also submit proof of immunization as required by state law. In addition, applicants may be required to submit scores on the Graduate Record Examinations (GRE) general test. To pursue a graduate degree, applicants must also be admitted to the appropriate school. Specific master's degree programs may require a certain GRE score before students may be admitted to that program. Students should refer to the specific master's degree program for its requirements.

International applicants must submit scores from the Test of English as a Foreign Language (TOEFL) and must submit supporting documents required to receive an I-20. A minimum score of 550 (paper-based) or 213 (computer-based) on the TOEFL is required for admission.

Applicants who do not meet the minimum grade point average of 2.50 may petition to the Graduate Council for probationary admission. Probationary admission will allow a student to enroll in up to 12 hours of course work. To continue enrollment in graduate classes, students admitted on probationary admission must complete 12 hours with a grade point average of 3.00 or better.

A graduate student who has not been enrolled for a period of two calendar years will be classified as inactive. To resume graduate study, the student must reapply for admission to the University through the Office of Admissions.

## Acceptance of Transfer Credit

Normally, no more than six transfer credits will be accepted from another institution for inclusion into a student's UAM academic record. Additionally, no courses with grades below a "B" will be accepted for transfer credit.

As many as 9 (nine) credits, not to include specifically required courses in areas of specification may be accepted from the University of Arkansas at Pine Bluff.

Acceptance of transfer credit toward the student's degree plan

must be approved by the degree program committee and/or advisor, and the dean of the school.

## Course Loads and Course Work

Normally, the maximum course load must not exceed 12 graduate hours during the spring or fall semesters and six (6) hours for each summer term. Students who hold a graduate assistantship must enroll for a minimum of six (6) hours during the fall and spring semesters. To be considered full-time status, during the academic year, graduate students must enroll in six (6) hours during the fall and spring semester. Students, especially graduate assistants, should refer to their specific degree programs for additional enrollment requirements.

Normally, courses older than six (6) years will not apply to a graduate program of study. Acceptance of courses older than six years must be appealed to the Graduate Council.

## Independent Study

A graduate student's intellectual growth can be enriched when he/she is engaged in independent study.

Independent study courses may require extensive independent study, research, formal written reports and regular conferences with the instructor. A detailed description of the independent study and its requirements must be submitted for approval to the instructor, dean/chair, and Vice Chancellor for Academic Affairs/Graduate Dean. Students may complete only one independent study course each semester. Independent study should not duplicate existing courses in the academic catalog.

Only students who have been admitted to a degree program will be eligible for independent study. Normally, a maximum of nine hours of independent study may apply to a degree program.

## Professional Development Courses

Courses offered specifically for the purpose of professional development are designated with a PD course prefix. These courses focus on the exact skill development needed by the professional that is relevant for a specific need and purpose. PD courses are not transferable into a master's degree graduate program of study at the University of Arkansas at Monticello.

## Grades and Academic Status

Graduate students may earn grades of A, B, C, D, or F. These grades indicate the following:

- A Excellent graduate work
- B Good graduate work
- C Marginal graduate work
- D Poor graduate work
- F Failing graduate work

Students whose grade record includes three courses in their approved graduate program of study with grades of "C" or lower will

be dismissed from their Graduate Program.

## Undergraduate Students Enrolling in Graduate Courses

Qualified undergraduate students may be permitted to enroll in graduate courses for either undergraduate or graduate credit within the following guidelines. Only undergraduate students within 30 hours of graduation may petition to enroll in graduate courses through the Vice Chancellor for Academic Affairs/Graduate Dean. A minimum cumulative grade point average of 3.00, approval by the course instructor, faculty advisor, and consent of the dean or chair of the offering unit must be presented as part of the petition. When circumstances warrant, upon petition from the student, the Graduate Council may authorize awarding graduate credit. Students enrolling in graduate courses for graduate credit (not undergraduate credit) may not apply such credits to undergraduate degree requirements.

## Academic Conduct Code

Academic dishonesty involves any act that undermines the professional standards and integrity of the academic programs at the University of Arkansas at Monticello. Academic dishonesty includes, but is not limited to: A) cheating, B) plagiarism; and C) misuse of University documents.

Academic dishonesty is considered unsatisfactory progress and may result in an "F" grade(s), withdrawal from a course(s), dismissal from the UAM Graduate School and/or from the graduate degree program. The level of penalty is determined by the faculty member,

advisor, school dean, and Vice Chancellor for Academic Affairs/Graduate Dean.

## Dismissal

Any graduate student whose course work is unsatisfactory or violates good student conduct or campus employment rules may be dismissed from graduate courses or graduate programs.

## Policy and Regulation Changes

The University further reserves the right to change any other regulations affecting the student body. Changes shall become effective whenever the proper authorities so determine, and shall apply not only to prospective students, but also to those currently enrolled in the University.

## Graduation Under a Particular Catalog

Students have a maximum of six years to graduate under the catalog in effect at the time of their admission to a specific graduate program.

Students have the following two options: 1) abiding by the requirements of the UAM catalog in effect at the time of their original enrollment, or 2) abiding by a more current active UAM catalog, as long as they were enrolled at UAM during the period that the catalog was in effect. Changes in academic programs or actions taken by authorities external to the University (e.g., accrediting agencies or state agencies) may make it necessary for a student to move to a more recent catalog.

The present catalog is in force from Summer II 2007 through Summer I 2009.

## Second UAM Master's Degree

A maximum of twelve (12) semester hours but not more than one third of the total course requirements of the second UAM master's degree may be fulfilled by coursework completed for a previous UAM master's degree.

Courses applied to a second UAM master's degree program from another completed UAM master's degree program must be specifically approved by the student's major advisor, school dean, and the Dean of the Graduate School.

## Appeals of Academic Policy

Appeal rights are open to all students in graduate programs. Appeals should be initiated through the graduate student's advisor and pursued with the school dean, Vice Chancellor for Academic Affairs/Graduate Dean, and the Graduate Council.



# Graduate Programs School Of Education

## Graduate Faculty

Professors Jones, and Terrell; Associate Professors Doss (Dean), King and Lang; Assistant Professors: Carpenter, Martin, Massey, Ramirez, Zimmerly.

## Mission Statement

The University of Arkansas at Monticello (UAM) School of Education is committed to the development of high quality teacher leaders who are caring, competent professionals dedicated to meeting the needs of a changing, diverse society. The UAM School of Education faculty and teacher education students serve their communities through active participation in academic studies and field experiences that develop high-level competencies in content knowledge, pedagogy, professionalism, and equity. The UAM School of Education, in close partnership and collaboration with partnering schools and the arts and sciences, is dedicated to providing the highest level of teacher training and excellence in southeast Arkansas.

## Graduate Program Goals

The graduate programs in the School of Education are developed around standards that govern accomplished teaching, including the National Board for Professional Teaching Standards. Additionally, standards from discipline-specific learned societies are referenced in course materials and activities. Graduate students in the advanced programs in the School of Education are expected to:

Develop an in-depth understanding of advanced principles and theories of teaching and learning;

Acquire an attitude of inquiry and curiosity for learning that permeates instruction;

Conduct action-based research that demonstrates that students are learning and achieving;

Collaborate with other professional educators and leaders to address issues and concerns in education;

Demonstrate the ability to become educational leaders who have the potential to make a difference in their individual educational settings.

## Degrees Offered

The School of Education offers three advanced degrees:

Master of Education (M.Ed.) degree

Master of Education (M.Ed.) in Educational Leadership

Master of Arts in Teaching (M.A.T.) degree.

### Master of Education (M.Ed.)

This program is designed for licensed teachers who wish to enhance their professional knowledge base and enhance their content knowledge. This is a two-track program: Track One places emphasis on pedagogy and candidates complete a research project instead of a comprehensive examination; Track Two places emphasis on secondary

content and candidates complete a comprehensive examination. All candidates will take 15 hours of advanced professional foundation courses and 21 hours of emphasis courses.

### Master of Education (M.Ed.) in Educational Leadership

The Master of Education degree in Educational Leadership is a 36-hour program that prepares candidates to be a P-8/7-12 Building Level Administrator. The curriculum is based on the standards of the Educational Leadership Constituent Council (ELCC) and the Interstate School Leaders Licensure Consortium (ISLLC), and Arkansas Standards.

### Master of Arts in Teaching (M.A.T.)

Candidates in the Master of Arts in teaching program that are seeking a P-8, 7-12 licensure in Physical Education, Art, Music, or Foreign Language must have a child development course prior to entrance into the program. Additionally, the Physical Education candidate must have a growth and motor development course prior to entrance into the program.

The Master of Arts in Teaching (M.A.T.) is a 30-36 hour accelerated program designed to prepare students for teacher licensure who have undergraduate degrees in English, French, mathematics, science, social studies, business, speech, art, music, agriculture, and physical education. On-the-job teaching opportunities are incorporated into the program.

Candidates may earn grades of A, B, C, D, or F, with the exception of Internship I/II where Pass/Fail grades are awarded.

The grades of A, B, C, D, and F, indicate the following: A-excellent, B-good, C-marginal, D-poor, and F-failing. A cumulative GPA of 3.00 out of 4.00 must be maintained each semester to complete degree requirements and to remain in the Master of Arts in Teaching program. Additionally, no more than two courses with a grade of "C" may be applied toward degree requirements. A candidate whose grade record includes three courses with grades of "C" or lower may not maintain graduate status unless the Graduate Council, upon petition from a graduate faculty member, has authorized a plan of study for the student.

### Graduate Certificate Special Education P-4 Instructional Specialist

The Instructional Specialist additional licensure P-4 graduate level program of study is designed to prepare teachers to teach grades P-4 and meet Arkansas state Special Educational licensure criteria. This training will also prepare teachers to meet the needs of exceptional learners at the P-4 level with focus on developing content expertise, promoting collaboration, and establishing meaningful field experiences. The program is aligned with state and national standards.

### SPED Special Education Instructional Specialist 4-12

The Instructional Specialist Special Education 4-12 program of study is designed to prepare teachers to meet the needs of exceptional learners at the 4-12 level with a focus on developing content

expertise, promote collaboration, and establish meaningful field experiences. This program is aligned with state and national standards.

## Important Steps in the Graduate Program:

1. Apply to the University of Arkansas at Monticello.
2. Apply to the School of Education Graduate Program.
3. Complete all appropriate admission requirements.
4. Obtain a major advisor.
5. With major advisor, prepare a Program of Study.
6. Apply for Degree Candidacy.
7. Select Comprehensive Review Committee. (M.Ed. and M.A.T. programs)
8. Successfully pass Comprehensive Examinations. (M.Ed. and M.A.T. programs)
9. Successfully pass PRAXIS II Principles of Learning and Teaching. (M.A.T. only)
10. Graduation

## Admission Requirements and Classifications

The first step in the admission process for the School of Education graduate program is to be admitted with graduate status to the University of Arkansas at Monticello. After being admitted to the University of Arkansas at Monticello, students are then eligible to apply for admission to the School of Education graduate program. Applications for graduate programs are available in the office of the Dean, School of Education.

## Admission to the Master of Education (M.Ed.) Programs

Students seeking admission to the School of Education's Master of Education degree and the Master of Education degree in Educational Leadership must fulfill the following requirements:

1. Have a cumulative grade point average of 3.0 overall or a 3.0 grade point average in the last 60 hours of coursework from an accredited college or university;
2. Provide evidence of passing state-mandated licensure examinations in the appropriate teaching fields and hold an Arkansas Teacher Licensure;
3. Submit three letters of recommendation from individuals who are familiar with the student's academic achievement, teaching proficiency, and/or community and service involvement. No more than one recommendation may come from School of Education faculty;
4. Successfully complete an interview session with a committee comprised of the Dean of the School of Education, an appropriate member of the Teacher Education Committee, the Coordinator for Graduate Programs for the School of Education, and public school personnel;
5. Four years successful teaching experience, three years must be at the grade level in which licensure is sought (M.Ed. in Educational

Leadership only).

## Admission to the Master of Arts in Teaching (M.A.T.) Program

An M.A.T. Admissions Committee comprised of the Dean of the School of Education, the Coordinator for Graduate Programs in the School of Education, and the content area faculty representative will review applications. Admission requirements for the M.A.T. program include:

1. Bachelor of Arts or a Bachelor of Science degree from a regionally accredited college or university and verified with official transcripts from each college/university attended;
2. A cumulative grade point average of 3.00\* in the last 60 hours;
3. Successful criminal background check;
4. PRAXIS I or GRE with minimum scores of Verbal 370; Quantitative 370; and Writing 4.5;
5. Passing scores on the appropriate PRAXIS II Specialty area examination for which licensure is sought.

\*A candidate who does not meet the regular GPA requirement may qualify for conditional admission. The minimum GPA is 2.80. A candidate's GPA may be supplemented with the following GRE requirements:

2.99-2.90 GPA Combined Verbal and Quantitative scores of 900 and Writing of 4.5;

NOTE: Both the Verbal and Quantitative score must meet the minimum score of 370; or

2.89-2.80 GPA Combined Verbal and Quantitative score of 1000 and Writing of 4.5. A candidate will be removed from conditional status once he/she has completed one semester of course work with a 3.00 GPA.

## Arkansas State Licensure Examinations for M.A.T. Candidates

To complete the M.A.T. program and become eligible for graduation with an M.A.T. degree, all teacher candidates must successfully pass both the Specialty Area test and the Principles of Learning and Teaching (PLT) examination as required by Arkansas Department of Education for licensure.

## Major Advisor

After the student is successfully admitted to the appropriate graduate program in the School of Education, a major advisor is assigned by the Dean of the School of Education. This assignment of the advisor will be based on the student's area of study and interests. The advisor will provide assistance in the completion of forms dealing with



a Program of Study, Degree Candidacy, and Comprehensive Examination Review Committee. The major advisor and the student work closely to ensure appropriate progress through the program.

## Program of Study

All students must complete a program of study with the assistance of the major advisor. The program of study is intended to provide guidance and direction for degree completion. Programs of study must be signed by the student and approved by the major advisor, the Coordinator for Graduate Programs, and the Dean of the School of Education. Following approval, the Program of Study is forwarded to the Registrar's Office.

## Admission to Degree Candidacy

### Master of Education

The application for admission for degree candidacy is the student's notification of the intent to earn a Master of Education degree (M.Ed.) at the University of Arkansas at Monticello. The application for admission for degree candidacy must be submitted to the Dean's office after completing 6 (six) hours of graduate classes. The student must have completed all prior application procedures and maintained a minimum 3.00 grade point average for all graduate work. The Dean of the School of Education and Director for Graduate Programs will validate the student's admission for degree candidacy.

### Master of Education in Educational Leadership

Students in the Master of Education in Educational Leadership must apply for degree candidacy after the completion of 6 (six) hours of graduate classes in the approved Program of Study. The student must have completed all prior application procedures and maintained a minimum 3.00 grade point average for all graduate work. The Dean of the School of Education and Director for Graduate Programs will validate the student's admission for Degree Candidacy.

### Master of Arts in Teaching

To be eligible for degree candidacy in the M.A.T. program, students must successfully pass the PRAXIS II Specialty area examination and the PRAXIS II Principles of Learning and Teaching examination. Additionally, students must have completed at least 24 hours in the approved Program of Study to apply for degree candidacy.

## Comprehensive Research Review Committee

Following application for degree candidacy, candidates in the M.Ed. program will select four members for the Comprehensive Research Review Committee. The Dean of the School of Education will serve as one member. Members of the committee will assist in reviewing and scoring the candidates research project.

## Comprehensive Examination

Candidates in the M.Ed. program that complete a program of study containing content area course work must satisfactorily complete a written comprehensive examination in the advanced professional core and in the appropriate concentration area. The comprehensive examination will consist of essay questions and will be graded on content and composition. Candidates who fail comprehensive examinations will be informed in writing of deficiencies and notified of the time when a second comprehensive examination will be administered. Failing students may be required to complete additional courses and must petition for more than one retake. Additionally, candidates have one year from the first failure to retake the sections of the comprehensive examination which were not passed.

## Graduation

To graduate from Master's programs in the School of Education, students must complete ALL requirements including passing the appropriate exit examinations.

## Policies and Procedures

### Appeals

Appeal rights are open to all students who are denied admission or continuation in graduate programs. Appeals must be initiated with the advisor and may be pursued with the Dean of the School of Edu-



cation and the Vice Chancellor for Academic Affairs/Graduate Dean.

### Course Loads

Normally, the maximum course load must not exceed 12 graduate hours during the fall and spring semesters. Normally, the maximum load for each summer term is six hours.

### Acceptance of Transfer Credit

Acceptance of transfer credit for the M.Ed. degree and the M.A.T. is based on the nature, quality and recency of the credit. Special consideration will be given to transfer students from other public institutions of the State, especially those in the University of Arkansas system.

### Time Frames

Students enrolled in the Master of Education program can expect to complete the program in a three-four year time period. Most students in the M.A.T. program can expect to complete the program within an 18-month time frame. All course work included in the program of study must be recent. Courses older than six years must be appealed to the Graduate Council. Normally, courses older than six years will not apply to a graduate program of study.

### Independent Study

Independent study and research courses will require extensive independent study and research, formal written reports and regular conferences with the instructor. A detailed description of the proposal and its requirements will be submitted for approval to the instructor, the Coordinator for Graduate Programs, the Dean, and the Vice Chancellor for Academic Affairs. Students may complete only one independent study/research project per semester. Independent study/research proposals should not duplicate existing courses in the academic catalog.

### Expulsion

Any education graduate student whose course work is unsatisfactory or who violates student conduct or employment rules may be withdrawn from the School of Education Graduate Program at any time upon the recommendation and agreement of the advisor, the Coordinator for Graduate Programs, and the Dean of the School of Education.

## Master of Education (M.Ed.)

The M.Ed. program is a two track graduate program designed for licensed teachers who wish to advance their professional knowledge base and their content knowledge.

All candidates will take 18 hours of Advanced Professional Foundation courses.

Advanced Professional Core Courses 18 hours

EDFD	5003	History and Philosophy of Education
EDFD	5023	Educational Research Methodology
EDUC	5053	Law for Public School Teachers
EDFD	5063	Psychological Foundations of Teaching and Learning
EDFD	5413	Educational Technology and Cognitive Learning
EDFD	5543	Issues and Trends in Education

### Track One

Emphasis in Pedagogy 18 hours

Candidates in this track will take courses that emphasize pedagogy and best teaching practices. Candidates in this track will be required to complete an action research project.

EDFD	5273	Teaching the Culturally Different Child
EDFD	5553	Capstone Research Seminar
EDUC	5043	Assessment Techniques for Teachers
READ	5063	Literacy Across the Curriculum
SPED	5123	Managing the Classroom Environment
SPED	5033	Contemporary Issues in Special Education

### Track Two

Emphasis in Content Areas 18 hours

Candidates in this track may take content area course work in Math, Science, English, or Social Studies. Additionally, candidates should consult with an advisor to design their program of study. The candidate, in consultation with the advisor, may select all twelve hours in one content area or a combination of any of the four content areas. Candidates in this track will be required to take a comprehensive examination which would be developed to be consistent with their program of study. This track does not lead to additional licensure in any content area.

READ	5063	Literacy Across the Curriculum
EDUC	5043	Assessment Techniques for Teachers

Content area courses 12

\*Content course requirements are approved by the content area departments.

## Master of Education in Educational Leadership

Program of Study

Orientation for New Graduate Candidates

Portfolio Introduction

EDFD	023	Educational Research Methodology
EDFD	5043	Instructional Technology
EDFD	5543	Issues & Trends in Education

Major Courses

EDLD	5033	Public School/Community Relations
EDLD	5103	Public School Law
EDLD	5213	Public School Organ. And Admin.
EDLD	5223	Supervision of Instruction
EDLD	5423	Fiscal Management in School Settings
EDLD	5483	Curriculum Development
EDLD	5623	Practical Leadership
EDLD	5633	Using/Understanding Data for School Improvement
EDLD	5653	Internship in Educational Leadership

## Master of Arts in Teaching (M.A.T.)

Pedagogy Courses

Summer I

EDUC	5086	Intro. Teaching and Methods
		2 Weeks on Campus 1 Week On-line

Summer II

EDFD	5043	Instructional Technology
EDFD	5063	Psychological Foundations

#### Fall Hours

- EDUC 5023 Critical Literacy
- EDUC 5033 Teaching Diverse Learners
- EDUC 5803 Internship I

#### Spring

- EDUC 5043 Assessment Techniques
- EDUC 5053 Public School Law for Teachers
- EDUC 5813 Internship II

#### Content Courses (as required) 0-6

M.A.T. teacher candidates may be required to take content coursework in the area of licensure as determined by the advisor, the Coordinator for Graduate Programs in the School of Education, the content area faculty representative, and the Dean of the School of Education.

TOTAL 30-36 hours

### Specialist in 4-12

#### Required Courses:

- SPED 5033 Contemporary Issues in Special Education
- SPED 5043 Application of Assessment Data for Exceptional Learners
- SPED 5073 Problems and Issues in Educational Planning
- SPED 5093 Collaboration/Consultation for Inclusion
- SPED 5103 Advanced Teaching Methods for Persons with Disabilities for Grades 4-12
- SPED 5113 Introduction to Teaching Persons with Disabilities for Grades 4-12

### Graduate Certificate Special Education P-4 Instructional Specialist

#### Required Courses:

- SPED 5033 Contemporary Issues in Special Education
- SPED 5043 Application of Assessment Data for Exceptional Learners
- SPED 5073 Problems and Issues in Educational Planning
- SPED 5093 Collaboration/Consultation for Inclusion
- SPED 5103 Advanced Teaching Methods for Persons with Disabilities for Grades 4-12
- SPED 5113 Introduction to Teaching Persons with Disabilities for Grades 4-12

### SPED Special Education Instructional



## Graduate Programs School Of Forest Resources

Master of Science (M.S.) Degree in Forest Resources  
With Emphasis in: Forest Sciences, Spatial Sciences, or  
Wildlife Ecology and Management

### Graduate Faculty

Professors Kluender (Dean), Liechty, Pelkki, Tappe  
(Associate Dean), Thompson, Weih, and Zeide; Research Professor  
Patterson; Associate Professors Mehmood and White; Assistant  
Professors Defee, Ficklin, Kissell, Schular, and VanderSchaaf.

### Mission

The mission of the School of Forest Resources is to educate professional natural resource managers, to enlarge the body of knowledge in renewable forest resources and to disseminate new ideas and technology. Successful accomplishment of this mission will promote and enhance management, conservation and appreciation of public and private forests, thereby providing for continuous production and optimum attainment of a variety of forest resources for the people of Arkansas, the southern U.S. and the Nation. These resource benefits include the production of wood and fiber, wildlife, and clean water; as well as provision for recreation, aesthetic and other important values.

### Educational Goals and Objectives of the Graduate Program

The School of Forest Resources is committed to providing post-baccalaureate students with the opportunity to enhance their educational goals through a program of study, teaching, and research in an environment that promotes freedom of expression, intellectual inquiry, and professional integrity. The goal of the School of Forest Resources is to enhance students' understanding of forest resources and their management, and to prepare students for lifelong learning and pursuit of career goals through advanced study. A student who graduates with a M.S. Degree in Forest Resources should:

1. Have an advanced understanding of principles relating to forest sciences, spatial sciences, or wildlife ecology and management.
2. Have an advanced understanding of natural resource issues and topics pertinent to an individual's program of study and career goals, and be able to apply this knowledge in the decision making process.
3. Be able to apply the scientific method in designing, implementing, analyzing, interpreting and integrating studies related to forest resource management problems and issues.
4. Be able to communicate effectively using written and oral communication skills in technical and non-technical settings.
5. Have good decision-making and critical thinking skills.

### Admission Requirements and

### Classification

To be admitted for pursuing the degree of M.S. in Forest Resources, a student must first be admitted with graduate status to the University of Arkansas at Monticello. Additionally, the student must submit an application to the School of Forest Resources along with three completed reference forms. Specific additional requirements are listed below.

It is recommended that applicants have a baccalaureate degree in forestry, the wildlife sciences, another natural resource management discipline, or the spatial sciences. However, prospective students from other fields are also encouraged to apply. All applicants will have transcripts analyzed by School of Forest Resources faculty to assess the need for cognate work. Applicants whose record shows an insufficient background in natural resources will be required to enroll in undergraduate cognate course work (and the prerequisites to those courses) that will not count for credit toward a degree. This course work will be scheduled in consultation with the student's advisory committee.

Applications for admission to the M.S. in Forest Resources degree program must normally be received by August 1 for the fall semester and January 1 for the spring semester. In order to be considered for a Graduate Assistantship, admission applications must normally be received by June 1 for the fall semester and November 1 for the spring semester.

### Regular Admission

To obtain regular admission, applicants must have a grade point average (GPA) of 2.70 or better (on a 4.00 scale) on all course work, or a GPA of 3.00 or better on the last 60 hours of course work taken prior to receipt of a baccalaureate degree from an accredited institution of higher education. Applicants must have completed the Graduate Record Examinations general test and been accepted for graduate study by the School of Forest Resources Dean and a School of Forest Resources faculty member willing to serve as that student's Major Advisor. Any other consideration for regular admission must be made by individual petition to the School of Forest Resources Dean and, where pertinent, a recommendation from the appropriate faculty, and will be considered on its own merits, case by case.

### Conditional Admission

Students that do not meet the criteria for regular admission may be conditionally admitted upon approval of the School of Forest Resources faculty and dean. Students who are admitted conditionally must earn a GPA of 3.0 or better in their initial 9 hours of graduate course work to continue graduate studies in the program. Students are not eligible for a graduate assistantship during conditional status.

### International Student Admission

International students must meet all criteria required by the University of Arkansas at Monticello to be admitted with graduate status. A minimum total score of 550 (paper-based) or 213 (computer-based) on the Test of English as a Foreign Language

(TOEFL) is required, as is a minimum score of 55 (paper-based) or 21 (computer-based) on each section of the TOEFL. In addition, international students must also have a satisfactory score on the Graduate Record Examinations general test and acceptance by the School of Forest Resources Dean and a major professor.

## Graduate Assistantships

A limited number of part-time graduate assistantships are available through the School of Forest Resources. These are awarded to outstanding students who can make valuable contributions to the School of Forest Resources teaching, research, and service programs. In order to be considered for a Graduate Assistantship, an application for admission to the M.S. in Forest Resources degree program must normally be received by June 1 for the fall semester or November 1 for the spring semester. When offered, graduate assistantships provide students a stipend, renewable annually, for up to 24 months. Renewal is contingent upon satisfactory fulfillment of obligations and responsibilities. Graduate Assistants are provided further financial assistance through the waiver of tuition and certain fees. This waiver covers only required coursework as outlined on an approved degree plan: it does not include tuition and fees for required cognate courses or courses not listed on the degree plan. Additionally, work/study space is provided for each Graduate Assistant.

## Student Advising

### Major Advisor

Prior to a student enrolling in the School of Forest Resources graduate program, a School of Forest Resources faculty member must agree, with the concurrence of the School of Forest Resources Dean, to serve as that student's Major Advisor. The Major Advisor assists the student in choosing members of an Advisory Committee and developing a program of study, guides the formulation of a thesis proposal and the conduct of the research project, and assists in providing resources for the research project.

### Advisory Committee

During the first semester of enrollment, the student and the Major Advisor must select a three- to five-member Advisory Committee and submit their selections for approval to the Director of Graduate Studies and the Dean of the School of Forest Resources by March 15 (spring semester) or October 15 (fall semester). The Advisory Committee serves to guide a student in program development, approves the program of study, makes recommendations on the thesis proposal, approves the thesis proposal, and administers the comprehensive examination. The Committee must consist of at least three members, including the Major Advisor and at least one other graduate faculty member in the School of Forest Resources and/or Arkansas Forest Resources Center. The third member can be selected from the School of Forest Resources; the Arkansas Forest Resources Center; other members of the Graduate Faculty; other institutions within the University of Arkansas System; or from other qualified individuals from cooperating institutions, agencies, or industries, provided they are awarded Graduate

Faculty status. Additionally, up to two additional Committee members may be selected, provided that the majority of the committee is composed of graduate faculty members in the School of Forest Resources and/or Arkansas Forest Resource Center.

## Degree Plan

Each student will be required to develop a degree plan with the advice and approval of his or her Advisory Committee. The degree plan will include an individualized sequence of courses in addition to a required forest resources core curriculum. A total of 30 hours containing at least 24 – 27 hours of course work and 3 – 6 hours of Research and Thesis will be required. An appropriate level of Research and Thesis hours will be determined by the Advisory Committee based on the scope of individual thesis projects. If indicated on an approved degree plan, up to 6 hours of undergraduate courses numbered at the 3000- or 4000-level may be used to satisfy course requirements.

The student, Major Advisor, and Advisory Committee members must all approve and sign the degree plan. The degree plan must then be submitted for approval to the Director of Graduate Studies and the Dean of the School of Forest Resources during the first semester of enrollment by May 1 (spring semester) or December 1 (fall semester). Once approved, the document will then be forwarded to the Registrar's Office.

## Transfer Credit

A maximum of six hours of graduate-level course work completed prior to development of a degree plan may be transferred to the University of Arkansas at Monticello from another university, provided the course subjects are acceptable to the School of Forest Resources faculty as a part of the program of study. Up to 15 hours of course work completed at other universities in the University of Arkansas System may be applied toward the graduate degree if so indicated on an approved degree plan. Courses taken more than six years prior to admission to the University of Arkansas at Monticello will not be accepted for transfer credit. Additionally, no courses with grades below a "B" will be accepted for transfer credit.

## Academic Status

Graduate students may earn grades of A, B, C, D or F, except for Research and Thesis and required undergraduate cognate course work that does not count for credit toward a degree. Research/Thesis is graded as Pass/Fail, with a grade of "Incomplete" awarded until a thesis has been approved and a comprehensive examination has been passed. Required undergraduate cognate course work that does not count for credit toward a degree may be graded as Pass/Fail if so recommended by a student's Advisory Committee.

The grades of A, B, C, D and F indicate the following: A – excellent, B – good, C – marginal, D – poor, and F – failing. A cumulative GPA of 3.0 out of 4.0 must be maintained to complete degree requirements and to retain a graduate assistantship. No more than two courses with a grade of "C" may be applied toward

degree requirements. A student whose grade record includes three courses with grades of "C" or lower may not maintain graduate status unless the Graduate Council, upon petition from a graduate faculty member, has authorized a plan of study for the student. Three courses with grades of "C" or lower will also result in the loss of a Graduate Assistant stipend. A student may not repeat a course in which a grade of "B" or higher is earned.

## Course Loads

The maximum course load must not exceed 12 hours during the fall and spring semesters. The maximum load for each summer term is three hours. Students who hold a graduate assistantship must enroll for a minimum of six hours during the fall and spring semesters and one hour for each summer term.

## Withdrawal from a Course

In order to withdraw from a course, a student must first obtain approval from their Major Advisor and Advisory Committee. For students receiving a graduate assistantship, approval is also required from the Director of Graduate Studies and the Dean. The intent of the graduate assistantship is to help support a graduate student through their graduate program. One of the ways this is done is by paying for courses designed as "required" on an approved degree plan. Since a dropped course cannot be applied to a graduate program, a student receiving an assistantship will be required to reimburse the School of Forest Resources for the cost of the course(s). The graduate assistant will not be allowed to enroll until the bill is paid. If withdrawing from a course causes a student receiving a graduate assistantship to be enrolled in less than 6 hours during a spring or a fall semester, or no (0) hours during a summer term, the assistantship will be forfeited.

## Continuous Enrollment

All degree-seeking graduate students are required to be enrolled for at least one hour each semester (including summer terms) until all requirements for the Master of Science in Forest Resources degree are fulfilled. A student who has not enrolled in graduate course for two semesters and who has not received written permission for a time-limited period of inactivity, will be terminated from the School of Forest Resources graduate program. An approved period of inactivity should not normally exceed one calendar year. Faculty are under no obligation to assist a student with graduate work when the student is not currently enrolled.

## Time Limit

To fulfill degree requirements, course credits can be used for a maximum of six years from the time of entry into the School of Forest Resources graduate program.

## Thesis Proposal

Each student will be required to develop a thesis proposal with the advice and approval of his or her Advisory Committee.

The thesis proposal consists of a justification, literature review, and plan of action for the thesis project. This proposal serves the purpose of formulating a proper protocol for the research and allows the student's Advisory Committee to evaluate (i.e., accept, expand, or reduce) and approve the intended work. The student, Major Advisor, and Advisory Committee members must all approve the thesis proposal and sign the cover sheet. The thesis proposal must then be submitted for approval to the Director of Graduate Studies and the Dean of the School of Forest Resources during the second semester of enrollment by May 1 (spring semester) or December 1 (fall semester).

## Thesis and Comprehensive Examination

An approved thesis is required for completion of the M.S. in Forest Resources degree. Students are required to define an appropriate problem for investigation; review relevant literature; develop a thesis proposal; collect, analyze, and interpret data; test hypotheses and draw conclusions; and write and defend a thesis.

At the conclusion of the study and research program, a seminar and an oral comprehensive examination, including a thesis defense, is required of all graduate students for completion of the M.S. in Forest Resources degree. Enrollment in at least one hour of Research/Thesis is required during the semester the examination is taken.

Immediately prior to the examination, all students are required to present a seminar on their thesis work. This seminar is open to the university academic community at large. Following the seminar, the Advisory Committee and one additional graduate faculty member appointed as a witness by the Dean of the School of Forest Resources administer the examination. The primary role of the witness is to confirm the examination is administered properly and fairly with sufficient academic rigor to ensure that the student has successfully mastered the thesis material. Others may observe the examination upon petition to and approval by the Dean of the School of Forest Resources. The comprehensive examination will typically cover, but is not limited to, material presented in and related to the thesis, course work, and other appropriate literature and information. Unanimous agreement of the Advisory Committee will be required to pass a student. The student can request a second examination if he or she fails the first. A student who fails a second examination is withdrawn from the School of Forest Resources graduate program. After successfully completing a thesis defense, any required changes to the thesis should be completed in not more than six months. Failure to complete required changes within this time period will result in withdrawal from the graduate program.

## Summary of Graduation Requirements

For graduation, each student must successfully complete 24 - 27 semester hours of course work and 3 - 6 hours of Research and Thesis, as outlined in an approved degree plan. A cumulative grade

point average of 3.00 or higher is required with no more than two courses with a grade of "C." In addition, each student must complete an approved thesis and pass an oral comprehensive examination. The thesis format must be approved, and a completed Intellectual Property Form (and completed Invention Disclosure Form, if necessary) must be on file in the Office of the Vice Chancellor for Academic Affairs/Graduate Dean. Five unbound copies of the thesis in prescribed form (not including a student copy) must be submitted for binding to the University Library, with the binding fees paid at that time.

## Expulsion and/or Withdrawal

Any graduate student whose course or thesis work is unsatisfactory, who fails to make adequate progress, or who violates student conduct or employment rules may be withdrawn from the School of Forest Resources Graduate Program at any time upon the recommendation and agreement of the Major Advisor, the student's Advisory Committee, and the Dean of the School of Forest Resources.

## Forest Sciences Emphasis Required Curriculum

Forest Sciences Electives: 9 hours  
(9 hours of FOR graduate courses or 6 hours of FOR graduate courses and 3 hours of non-core FRS graduate courses)  
Free Electives: 5-8 hours

## Spatial Sciences Emphasis Required Curriculum

Spatial Sciences Electives: 9 hours  
(graduate courses with SIS prefixes)  
Forest Resources electives: 3 hours  
(graduate courses with either FOR or WLF prefixes, or non-core FRS graduate courses)  
Free Electives: 2-5 hours

## Wildlife Ecology and Management Emphasis Required Curriculum

Wildlife Ecology and Management Electives: 9 hours  
(9 hours of WLF graduate courses or 6 hours of WLF graduate courses and 3 hours of non-core FRS graduate courses)  
Free Electives: 5-8 hours

## Forest Resources Core Curriculum:

(Required for all emphasis areas)

FRS 5113 Statistics in Research I  
FRS 5102 Research Methods  
FRS 5123 Statistics in Research II  
FRS 5691 Seminar (two required)  
FRS 579V Research and Thesis 3-6 hours

(Based on the scope of individual thesis projects and determined by the Advisory Committee.)

Total Hours Required: 30 hours

## Forest Resources Graduate Courses:

FRS 5013 Southern Teachers' Conservation Workshop  
FRS 5102 Research Methods  
FRS 5113 Statistics in Research I  
FRS 5123 Statistics in Research II  
FRS 5143 Landscape Ecology  
FRS 5203 Human Dimensions in Natural Resources  
FRS 5233 Natural Resource Policy  
FRS 5691 Seminar  
FRS 579V Research and Thesis

FOR 502V Special Topics  
FOR 5033 Advanced Forest Soils  
FOR 5223 Forest Ecosystem Ecology  
FOR 5253 Advanced Forest Economics  
FOR 5283 Tree Growth and Wood Properties  
FOR 5303 Forest Modeling  
FOR 5433 Forest Stand Dynamics  
FOR 5723 Advanced Natural Resource Management  
FOR 573V Forest Enterprise  
FOR 589V Independent Study

SIS 502V Special Topics  
SIS 5043 Advanced Geographic Information Systems I  
SIS 5053 Advanced Geographic Information Systems II  
SIS 5063 Remote Sensing  
SIS 5073 Spatial Statistics  
SIS 5083 Digital Photogrammetry  
SIS 5313 Digital Remote Sensing  
SIS 589V Independent Study

WLF 502V Special Topics  
WLF 5133 Wildlife-Habitat Relationships  
WLF 5153 Wildlife Population Analysis and Management  
WLF 589V Independent Study

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# Graduate Course Descriptions





## ART Courses (Art Courses)

### ART 589V Independent Study

Variable credit: 1-3 hours credit

See listing for ART 479V. In addition, students would be required to perform significant independent research in the studio area of their choice under the guidance of a faculty mentor. This research should lead to a professional-quality portfolio using that media, or a competitive quality research paper that meets the standards of the discipline.

### ART 590V Special Topics

3 credits: 3 hours lecture and/or studio may be repeated for credit

Selected topics from the areas of art emphasizing individual research and/or studio projects.

### ART 5923 Seminar: Teaching Art

3 credits: 3 hours lecture

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophy development, test design and evaluation, preparation of classroom materials, lesson planning, and use of current technologies.

## CIS Courses (Computer Information Systems)

### CIS 589V Special Topics in Computer Information Systems

Variable credit

Graduate level detailed study of one of the specialized areas of computer information systems, emphasizing advanced study and skills application.

## CJ Courses (Criminal Justice)

### CJ 5903 Delinquency and the Educator

3 credits: 3 hours lecture

This course provides an analysis of structures and processes of the juvenile and criminal justice system. Topics for review will include delinquency, violence in the school system, and crisis management

## ECED Courses (Early Childhood Education)

### ECED 5023 Creative Arts

3 credits: 3 hours lecture

This course will involve students in projects that integrate art, music, movement, and literature for children in early childhood education programs. Its purpose is to demonstrate various ways in which children learn through creative experiences.

### ECED 5033 Trends, Problems, and Issues of Early Childhood Education

3 credits: 3 hours lecture

A study of current trends, problems, and issues that are prevalent today in the field of early childhood education. Educational models and frameworks for the analysis of models for early childhood education are presented and discussed.

### ECED 5043 Child Development

3 credits: 3 hours lecture

An analysis of psychological theories of growth and development of young children, including Piaget, Skinner, Montessori, responsive environments, contingency management, social dramatic play, and didactic teaching.

### ECED 5053 Historical and Theoretical Approaches to Early Childhood Education

3 credits: 3 hours lecture

An historical analysis of various approaches to early childhood education and how these approaches relate to recent research in child development and learning.

## EDFD Courses (Educational Foundations)

### EDFD 5003 History and Philosophy of Education

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs

An analysis of major historical and philosophical developments and their impact on American education.

### EDFD 5023 Educational Research Methodology

3 credits: 3 hours lecture

Offered: Fall, Spring, Summer

Emphasizes qualitative and quantitative research design in education. Emphasis is placed on understanding the design of research studies and the development of an action research study. The course should be taken within the first 15 hours of enrollment.

### EDFD 5043 Instructional Technology

3 credits: 3 hours lecture

Offered: Fall, Spring

Treats media and instructional design with applications of state-of-the-art technology.

### EDFD 5053 Law for Public School Teachers

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs

This course provides a basic understanding of public school law as it relates to the day-to-day activities of a P-12 setting.

### EDFD 5063 Psychological Foundations of Teaching and Learning

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs

In-depth integrated treatment of development and learning with emphasis on cognitive development.

### EDFD 5153 Child Development and the Family

3 credits: 3 hours lecture

Prerequisite: PSY 3433 or PSY 3443

Critical examination of the research relevant to developmental factors influencing the growth process of the individual from conception to adolescence. Particular emphasis on family functioning, and the family's influence on early child development.

**EDFD 5213 Teaching the At-Risk Child**

3 credits: 3 hours lecture

Explores intervention strategies, relations with parents, counseling, special instructional strategies, and peer relations.

**EDFD 5273 Teaching the Culturally Different Child**

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs

Identification and address of needs manifested by children from diverse backgrounds, with provisions for using resource people.

**EDFD 5293 Special Topics**

3 credits: 3 hours lecture

A series of specially designed courses which treat the major contemporary problems confronting today's educators.

**EDFD 5413 Educational Technology and Cognitive Learning**

3 credits: 3 hours lecture

The purpose of this course is to acquaint the student with the latest information in the area of cognitive science, including the physiological and neurological findings in brain research as related to the human learning process.

**EDFD 5423 Information Management and the Teaching Process**

3 credits: 3 hours lecture

This course is intended to provide classroom teachers with the skills required to store, access, analyze, and distribute electronic information in an effective and efficient manner. Such information includes text documents, still images, digital audio and video files, e-mail correspondence, animated graphics, instructional courseware, etc.

**EDFD 5433 Instructional Courseware Development**

3 credits: 3 hours lecture

The purpose of this course is to provide a hands-on, experiential learning opportunity in the design, development, and testing of educational software used in P-12 settings.

**EDFD 5443 Social and Legal Issues in Educational Technology**

3 credits: 3 hours lecture

The purpose of this course is to study issues related to technology usage such as: copyright/licensing infringement; inequity of access to technology due to gender, economic, and/or race factors; student access Internet sites; confidentiality and privacy rights; and intellectual property and ownership.

**EDFD 5543 Issues and Trends in Education**

3 credits: 3 hours lecture

Prerequisite: (1) Admission to the Master of Education Degree Program or the Master of Education Degree in Educational Leadership program; or (2) a waiver from the Coordinator for Graduate Programs

Offered: Summer I

A study of current issues and trends that impact the field of education.

**EDFD 5553 Capstone/Research Seminar**

Prerequisites: EDFD 5003, 5053, 5063, 5273, and 5543; EDUC 5043; READ 5063; SPED 5123 and SPED 5033

The seminar is designed to meet the needs of the individual for specific study of particular problems, issues, trends or fields of education. This course concludes with the development of an action research project.

**EDFD 579V Independent Study**

Variable credit

Consult the Independent Study subheading in the Graduate Programs section of this catalog for prerequisites and description. Prior approval necessary for enrollment.

**EDFD 5823 Independent Research in Education**

3 credits: 3 hours research

Designed to allow an in-depth exploration of an educational topic. The advisory committee must approve the topic and the research methodology employed. The student will make a formal presentation related to the research and will present an approved copy of the final paper to the Dean of the School of Education.

**EDFD 590V Distance Education Workshop**

Variable Credit

Designed to provide learning opportunities through the use of compressed interactive video, satellite, and other sources.

**EDLD Courses  
(Educational Leadership)**

**EDLD 5033 Public School/Community Relations**

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

This course is designed to provide the students preparing to become building level administrators an understanding of local community structure and the skills necessary to develop effective cooperative partnerships between the school and community. The student will also be engaged in activities where he/she gains an understanding of the school's purpose, functions, achievements and needs, and the school's service to the community. Through hands on activities, creation of public relations documents, interviewing, and dealing with various publics, the students will learn and practice the skills of effective school and public relations.

The primary goal of the course is to provide aspiring building level administrators with a general understanding of the structure and organization of public school and community relations based on the ELCC standards. The success of the student will be determined by his/her performance on activities designed by the professor.

**EDLD 5083 Teacher Leaders: Preparing for National Board Certification**

3 credits: 3 hours lecture

Develops skills and strategies for teachers seeking or planning to seek National Board Certification. Supportive networking and collaboration are stressed.

**EDLD 5103 Public School Law**

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

This course prepares school leaders who apply knowledge of federal and state constitutional, statutory, and regulatory provisions and judicial decisions governing education.

**EDLD 5213 Public School Organization and Administration**

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

A performance-based course that will prepare aspiring school leaders with theoretical knowledge, critical thinking, and leadership skills to understand the organization and administration of American public schools in creating an effective learning environment to meet the success of all students. Emphasis will be placed on the students' understanding of managing: the organization, the allocation and utilization of resources, the operational plans and procedures, and financial resources. The course will also prepare students to assume responsibility for school administration with appropriate communication and technology skills, respect and value of human diversity, and the ability to work with diverse population.

#### EDLD 5223 Supervision of Instruction

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

Teacher candidates will become educational leaders who through supervision of instruction of personnel will promote success of all students by promoting a positive school culture, providing an effective instructional program, applying best practice to student learning and designing comprehensive professional growth plans for staff.

#### EDLD 5423 Fiscal Management in School Settings

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

This course emphasizes the history and principles of public school financing and the roles of federal, state and local governments and agencies in financing public education. Emphasis will be placed on the state school finance act, taxation for school purposes, the economics of education, equity and disparity issues, budgetary concerns, strategic planning, and procedures for school-site management.

#### EDLD 5483 Curriculum Development

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

Curriculum Development focuses on the analysis, design, implementation and evaluation of curriculum. Curriculum models, such as needs assessment and Tyler's Rational model are investigated. Understanding the utilization of appropriate research strategies and technology facilitate the articulation of a school's vision as it relates to curriculum and instructional enrichment. Historical, philosophical and societal factors and their impact on curriculum development are considered.

#### EDLD 5513 Technology for School Leaders

3 credits: 3 hours lecture

This course prepares school leaders who use technology, telecommunications, and information systems to enrich curriculum and instruction.

#### EDLD 5623 Practical Leadership

3 credits: 3 hours lecture

Practical Leadership serves as a required course in the educational leadership program of study in the UAM graduate program. The course prepares building level administrator candidates to use research based practical leadership strategies to position teaching and learning at the focal point of schools. The course stresses the importance of high levels of personal performance and organizational management to ensure implementation of a vision of learning within the school and community. Emphasis is placed on the importance of school leaders who are ethical and exemplify high levels of integrity. This course also relates to the four components of the UAM Conceptual Framework and has its basis in the School of Education Mission Statement.

#### EDLD 5633 Using and Understanding Data for School Improvement

3 credits: 3 hours lecture

Offered: Summer I

This course is designed to provide educational leadership candidates with the knowledge and ability to manage the organization by understanding and collecting data sources that reflect specific school demographics. The candidates will be required to use current research and building level data to develop and apply best practices for student learning and for designing comprehensive professional growth plans for school staff.

#### EDLD 5643 Internship in Educational Leadership Capstone

3 credits: 3 hours Internship

Prerequisite: Admission to the Master of Education Degree in Educational Leadership program or a waiver from the Coordinator for Educational Leadership

The practicum will require students to complete an internship of 150 contact hours of school-based experiences in diverse settings that are planned cooperatively and supervised by university and school building level administrators. The practicum begins in the Summer I and will continue in the Fall semester.

#### EDLD 5653 Internship in Educational Leadership

3 credits: 3 hours lecture

Offered: Spring

This internship, which will be required of all administrative program candidates, serves as the culminating and the capstone experience of the Master of Education in Educational Leadership and Non-Degree Seeking Licensure Programs of Study. During the internship, candidates will assess the suitability of their skills and dispositions for administrative work; integrate skills and knowledge previously acquired; and become socialized into the administrative role under the supervision of a local building level administrator and a university faculty member.

The internship will focus on two major components of the candidates' program of study: "extended capstone internship experiences to maximize the candidates' opportunities to practice and refine their skills and knowledge;" and the Culminating Professional Portfolio of artifacts acquired during the candidates' preparation to become a building level administrator. The candidates' internship experiences and the portfolio artifacts will demonstrate their understanding of the ELCC and AR standards.

#### EDLD 5813 Leadership Through Mentoring

3 credits: 3 hours lecture

Develops mentoring skills through the examination of organization, planning, and continuous evaluation of a planned sequence of direct teaching.

## EDUC Courses (Education M.A.T.)

**EDUC 5023 Critical Literacy Across the Curriculum**

3 credits: 3 hours lecture; 1 hour laboratory

Prerequisites: Admission to MAT program

Designed to improve students' understanding of language and communication through developing skills in: 1) traditional literacy; 2) scientific literacy; 3) mathematical literacy; and 4) technological literacy. Emphasis will be placed on writing skills. Students will tutor in field-based settings and will use technology during the tutoring experiences, including desktop publishing, graphics, and database management.

**EDUC 5033 Teaching Diverse Learners**

3 credits: 3 hours lecture; 1 hour laboratory

Prerequisites: Admission to MAT program

Designed to provide students with a basic introduction to special education and the cultural, socioeconomic, and emotional needs of 7-12 learners. Students will observe learners in field settings and will utilize technology through Internet research and software analysis.

**EDUC 5043 Assessment Techniques for Teachers**

3 credits: 3 hours lecture; 1 hour laboratory

Prerequisite: (1) Admission to MAT program; or Admission to the Master of Education Degree Program or (2) a waiver from the Coordinator for Graduate Programs.

An introductory course in the assessment and research procedures commonly used in the field of education including alternative, performance-based, teacher-developed, and standardized assessments.

**EDUC 5053 Public School Law for Teachers**

3 Credit hours; online for M.A.T.

The course provides professional educators with a basic understanding of the law as it relates to their day-to-day activities in a P-12 setting.

**EDUC 5063 Alternative Learning Environments: Working with At-Risk Students**

3 credits: 3 hour lecture

This course is an introduction to theories and practices in Alternative Education. The course will provide an interdisciplinary overview of educational, socio-economic, and curricular issues relevant to alternative school educators. The primary focus will be to prepare reflective teachers who will be able to improve the teaching learning process and environment for at-risk students.

**EDUC 5086 Introduction to Teaching and Methods**

6 credit hours: MAT

Prerequisites: Admission to MAT program

An introduction to the teaching profession and methods of teaching, this course includes two weeks of intense classroom instruction and 1 week of on-line instruction in the Summer I term. The course will be an introduction to portfolio construction, proactive/reactive behavior management techniques, classroom management strategies, instructional strategies/methods, lesson plan development, identification/development of goals/objectives, Arkansas state standards and an introduction to Pathwise. Additional requirements include 8 hours of field-based experience in the public school summer school setting.

**EDUC 5803 MAT Internship I**

3 credits

Prerequisite: Admission to MAT program

The first semester of the year-long internship experience, this course focuses on directed teaching strategies, classroom management, working with parents and colleagues, state and local standards, and best practices for the content being taught. Students will be working in the schools during Internship I.

**EDUC 5813 MAT Internship II**

3 credits

Prerequisites: Admission to MAT program

The second semester of the year-long internship experience, this course focuses on directed teaching strategies, classroom management, working with parents and colleagues, state and local standards, and best practices for the content being taught. Students will be working in the schools during Internship II.

**ENGL Courses  
(English)****ENGL 5013 Advanced Studies in American Literature I**

3 credits: 3 hours lecture

Prerequisite: ENGL 3403 or ENGL 3413

An in-depth study of major writers, periods, movements, and themes in American literature from the beginning to 1850.

**ENGL 5023 Advanced Studies in American Literature II**

3 credits: 3 hours lecture

Prerequisite: ENGL 3403 or ENGL 3413

An in-depth study of major writers, periods, movements, and themes in American literature from 1850 to the present.

**ENGL 5053 Advanced Studies in British Literature I**

3 credits: 3 hours lecture

Prerequisite: ENGL 3423 or ENGL 3433

An in-depth study of major writers, periods, movements, and themes in British literature from the Middle Ages through the 18th century.

**ENGL 5063 Advanced Studies in British Literature II**

3 credits: 3 hours lecture

Prerequisite: ENGL 3423 or ENGL 3433

An in-depth study of major writers, periods, movements, and themes of British literature from the Romantic Period to the 1960's.

**ENGL 5093 Studies in Composition**

3 credits: 3 hours lecture

Prerequisite: ENGL 4753 or ENGL 4593

Theory of and research in composition, its history and its cognitive and social dimensions. The course emphasizes the effective teaching of writing.

**ENGL 5123 The English Language and the Teacher**

3 credits: 3 hours lecture

Prerequisite: ENGL 4753 or ENGL 4593

Current research on the English language, its history, its grammar, dialects and uses, with an emphasis on how language is learned and used in the classroom.

**ENGL 5153 Special Topics in Language and Literature**

3 credits: 3 hours lecture

Prerequisite: 3 hours credit in 3000-4000 level literature  
Detailed study of a specific topic in language and/or literature, emphasizing readings and individual research. Topics selected may cover themes, genres, single authors, national literatures or other history or language-related subjects. May be repeated for a total of 6 (six) hours credit when different topics are covered.

#### ENGL 579V Independent Study in English

Variable Credit

Consult the Independent Study and Research policy in the Graduate Programs section of this catalog for prerequisites and description. Prior approval necessary for enrollment.

#### ENGL 5923 Seminar: Teaching English

3 credits: 3 hours lecture

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophy development, test design and evaluation, preparation of classroom materials, lesson planning, and use of current technologies.

### ESL Courses (English as a Second Language)

#### ESL 5703 Teaching Students of Other Cultures

3 credits: 3 hours lecture

This course is designed to help education candidates understand how to effectively teach diverse learners in a multicultural/multilingual classroom. The concentration of instruction will be on the context, process and content of teaching people of other cultures.

#### ESL 5713 Methods and Materials for Teaching English as a Second Language Learner

3 credits: 3 hours lecture

This course teaches effective English as a Second Language (ESL) teaching methods to the education candidates. The methods taught will help develop the cognitive academic language of the non-English speaker to reach higher academic achievement.

#### ESL 5723 Acquisition of English as a Second Language

3 credits: 3 hours lecture

This course is designed to help the education candidates know, understand, and use the major concepts, theories, and research related to the nature and acquisition of language to construct learning environments that support English as a Second Language (ESL) student's language and literacy development, and content area achievement.

#### ESL 5733 Assessing Second Language Learners

3 credits: 3 hours lecture

This course is designed to help the education candidates understand issues of assessment measures when teaching English as a Second Language (ESL) learner.

### FRS Courses (Forest Resources)

#### FOR 502V Special Topics

Variable credit

Selected topics in forest sciences.

#### FOR 5033 Advanced Forest Soils

3 credits: 3 hours lecture

Prerequisite: FOR 2033 and FOR 2041, or graduate standing and permission of instructor.

Preparation for professional and research careers in forest soils. Quantitative evaluation of soil fertility and water movement, and qualitative consideration of patterns and processes of pedogenic processes across forested landscapes.

#### FOR 5223 Forest Ecosystem Ecology

3 credits: 3 hours lecture

Prerequisites: Graduate status and one course in ecology.

Advanced study into the structure and function of forest ecosystems including current and founding theories on energy flow, nutrient cycling, temporal change in and disturbance of ecosystems, landscape and spatial relationships, biodiversity, and anthropogenic alteration of ecosystems.

#### FOR 5253 Advanced Forest Economics

3 credits: 3 hours lecture

Prerequisites: FOR 4684 or equivalent; MATH 1073 or equivalent; FRS 5113 and FRS 5123

Advanced economic principles applied to forest-based natural resource problems. Valuation, forecasting, inventory models, supply and production of forest outputs, regional economic analysis. Readings and problems.

#### FOR 5283 Tree Growth and Wood Properties

3 credits: 3 hours lecture

Structure and properties of wood and wood products, tree growth and wood properties, and the effects of silviculture practices on wood quality.

#### FOR 5303 Forest Modeling

3 credits: 3 hours lecture

Prerequisite: FRS 5113 or permission of instructor

Model construction of ecological processes and their application to solve practical and conceptual issues of forestry.

#### FOR 5433 Forest Stand Dynamics

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisite: FOR 3434 or permission of instructor

Study of contemporary silvicultural practices and their ecological, social, and economic underpinnings. Emphasis on case studies from forests in Arkansas.

#### FOR 5723 Advanced Natural Resource Management

3 credits: 3 hours lecture

Prerequisite: FOR 4684 or permission of instructor

Natural resource principles considering timber and non-timber resources; forest models; principles of forest regulation; harvest scheduling; decision analysis; investment analysis; and analytical techniques and computer applications in forest management.

#### FOR 573V Forest Enterprise

Variable credit

Prerequisite: Graduate student status or permission of the instructor

Forest enterprise is an endeavor, a struggle, a campaign to assist private forest landowners in managing their forest resources (water, wildlife, timber, recreation). Course modules are 1 credit each. Module 1 focuses on the role of consulting foresters in providing management assistance. Module 2 stresses assistance from government agencies and programs. Module 3 describes programs from private, industrial, and non-government organizations (NGOs). The course may be taken for 1-3 credits, but may not be repeated.

#### FOR 589V Independent Study in Forest Sciences

Variable credit

Consult the Independent Study and Research subheading in the Graduate

Programs section of this catalog for prerequisites and description.

**FRS 5013 Southern Teachers' Conservation Workshop**

3 credits: 1 week of study

One week of intensive instruction and laboratory exercises on conservation issues. Course requires preparation of teaching plans.

**FRS 5102 Research Methods**

2 credits: 2 hours lecture

Introduction to the conceptual and technical aspects of research. Topics include the scientific method, science reasoning, literature searching, scientific writing, and ethics.

**FRS 5113 Statistics in Research I**

3 credits: 2 hours lecture, 2 hours laboratory

Fundamental concepts and applications of statistics with focus on natural resources. Probability and distribution theory; estimation and hypothesis tests involving one parameter; hypothesis tests involving two parameters; simple and multiple linear regression. Use of statistical software.

**FRS 5123 Statistics in Research II**

3 credits: 2 hours lecture, 2 hours laboratory

Prerequisite: FRS 5113 or permission of instructor

Essential concepts and applications of statistics with focus on natural resources. Analysis of variance; multiple range tests; analysis of covariance; higher order experimental designs; categorical data; non-linear regression. Use of statistical software.

**FRS 5143 Landscape Ecology**

3 credits: 3 hours lecture

Prerequisite: One course in ecology or permission of instructor

Advanced concepts associated with landscape ecology. Study of spatial variation in landscapes at a variety of scales. Includes biophysical and societal causes and consequences of landscape heterogeneity.

**FRS 5203 Human Dimensions in Natural Resources**

3 credits: 3 hours lecture

Foundations for understanding human-natural resource relationships. Development of a theoretical understanding of the importance of viewing humans as part of the natural resource decision making process.

**FRS 5233 Natural Resource Policy**

3 credits: 3 hours lecture

Foundations for understanding forest and natural resource policy. Includes historical context as well as social, biological, and political constraints and ramifications of policy.

**FRS 5691 Seminar**

1 credit: 1 hour lecture

Discussions and presentations relating to forest resource topics. May be repeated for credit.

**FRS 579V Research and Thesis**

Variable credit

Research while enrolled for a master's degree under the direction of faculty members.

## **GEOG Courses (Geography)**

**GEOG 5113 World Geography**

3 credits: 3 hours lecture

Focus on selected regions of the world to be chosen from among Europe, Africa, West Asia, North America, and Latin America. Emphasis on physical, political, cultural, and economic characteristics of the selected regions.

## **GSCI Courses (General Science)**

**GSCI 5013 Advanced Biology**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisite: 12 hours of biology

Basic concepts and principles of the study of life, including biochemistry, cell structure and function, respiration and photosynthesis, transmission genetics, molecular genetics, evolution, and ecology.

**GSCI 5043 Advanced Geology**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisite: 12 hours of physical sciences

Materials of the earth's crust and the processes and agents which affect them; earth history interpreted from rocks and fossils.

**GSCI 5063 Advanced Chemistry**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: 12 hours of chemistry or 8 hours of chemistry and at least 2 (two) years experience teaching chemistry at the secondary level

Composition, occurrence, preparation, properties and uses of matter, the changes it undergoes, its energy relations, and the laws governing its behavior.

**GSCI 5083 Advanced Physics**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: 12 hours of physics or 8 hours of physics and at least 2 (two) years experience teaching physics at the secondary level

Forms of energy and properties of matter--mechanics, heat, magnetism, electricity, sound, and light.

**GSCI 519V Special Topics: Biology**

Variable Credit

Selected topics in biology appropriate for high school teachers.

**GSCI 5203 Molecular Genetics**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: 8 hours of biology and 8 hours of chemistry

DNA biology; recombinant DNA techniques and applications; laboratory methods.

**GSCI 5243 Advanced Environmental Science**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: 12 hours of course work in chemistry and/or biology

Natural environments and ecosystems, and their degradation by pollution, habitat destruction and loss of biodiversity.

**GSCI 5263 Advanced Field Biology**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: 12 hours of biology

Survey of the plant and animal kingdoms emphasizing recognition and natural history of local flora and fauna.

**GSCI 528V Special Topics in Advanced Science Teaching**  
Variable credit  
Selected topics in contemporary science appropriate for high school teachers.

**GSCI 529V Special Topics: Chemistry**  
Variable Credit  
Selected topics in contemporary chemistry appropriate for high school teachers.

**GSCI 5303 Higher Order Thinking in Science**  
3 credits: 3 hours lecture  
This course stresses the learning of science as an active, integrated, constructive process involving experimentation, investigation, communication, reasoning, and problem solving.

**GSCI 539V Special Topics: Earth Science**  
Variable Credit  
Selected topics in earth science appropriate for high school teachers.

**GSCI 549V Special Topics: Physics**  
Variable Credit  
Selected topics in physics appropriate for high school teachers.

**GSCI 559V Field Geology**  
Variable Credit  
The methods of field investigation and interpretation of geological features. The focus of this course will vary from trip to trip. May be repeated for a maximum of three (3) hours credit.

**GSCI 579V Independent Study**

## **HIST Courses (History)**

**HIST 5013 American History**  
3 credits: 3 hours lecture  
A thematic view of American history with a historiographical emphasis. Possible topics include reform movements, social trends, and wars.

**HIST 5023 World History**  
3 credits: 3 hours lecture  
Major themes in the intellectual, social, political, and economic developments which have shaped our world from earliest times to the present. Included will be Asian, African, American and Western civilizations.

**HIST 5033 Historiography and Research**  
3 credits: 3 hours lecture  
An introduction to research and historical writing, including a review of major historians and trends in the writing of history.

**HIST 5123 Arkansas History**  
3 credits: 3 hours lecture  
An overview of Arkansas history from the earliest times to the present, with emphasis on the State's political, social, and economic development. Designed especially for those preparing to teach Arkansas history.

**HIST 5133 Africa in Global Perspective**  
3 credits: 3 hours lecture  
Major themes in African history from earliest times to the present; emphasis on the continuity of African civilization through the centuries and the interplay of African culture with Islamic and Western influences.

**HIST 5143 Colonial America**  
3 credits: 3 hours lecture  
An intensive survey of European settlement in North America from the Columbian voyages to 1789. Emphasis on the emergence of Anglo-American cultural and political institutions culminating in the War of Independence.

**HIST 5153 America in Peace and War**  
3 credits: 3 hours lecture  
An in-depth view of America between 1919 and 1945, with emphasis on cultural conflict in the 1920's and the impact of the Depression, the New Deal and World War II on the American people.

**HIST 5163 American since 1945**  
3 credits: 3 hours lecture  
An in-depth view of America in the past half-century with emphasis on political, social, and economic change.

**HIST 5273 Secondary Social Studies Teaching Methods**  
3 credits: 3 hours lecture  
Prerequisite: Admission to M.A.T. program  
Methods of teaching social studies at the secondary level for M.A.T. students. Includes teaching applications in social science disciplines; design of lesson plans, instructional materials, and tests; performance, evaluation and critique of micro-classroom teaching.

**HIST 5283 Global Economic Systems**  
3 credits: 3 hours lecture  
An analysis of economic systems and ideologies employed by societies from the Ancient World to the present.

**HIST 5603 Selected Readings in History**  
3 credits: 3 hours lecture  
Advanced readings in an area of history. To be selected in consultation with the course instructor.

**HIST 581V Field Study**  
Variable credit  
Classroom and/or field studies of historically significant sites.

## **JOUR Courses (Journalism)**

**JOUR 589V Independent Study**  
Variable credit: 1-3 hours credit  
See listing for JOUR 479V. In addition, students would be required to perform significant research under the guidance of a faculty mentor, leading to a professional-quality performance as a writer or an editor, or a competitive-quality research paper that meets the standards of the discipline.

**JOUR 590V Special Topics**  
3 credits: 3 hours lecture, may be repeated for credit  
See listing for JOUR 4243. In addition, students would be required to be familiar with the major research in the topic area and to prepare a major research paper using primary source material.

## MAED Courses (Math Education)

### MAED 5013 Geometry

3 credits: 3 hours lecture

Prerequisite: MATH 3423

A study of formal and informal geometries, geometric constructions, applications, and learning theory.

### MAED 5023 Linear Algebra

3 credits: 3 hours lecture

Prerequisite: Completion of the calculus sequence

A study of linear algebra with an emphasis on topics relevant to the secondary school curriculum.

### MAED 5033 Probability and Statistics

3 credits: 3 hours lecture

Prerequisite: Completion of the calculus sequence

The mathematical theory of probability and its application to statistical inference.

### MAED 5043 Intermediate Analysis

3 credits: 3 hours lecture

Prerequisite: Completion of the calculus sequence

Topics from calculus designed to prepare teachers of calculus.

### MAED 5203 History of Mathematics

3 credits: 3 hours lecture

Prerequisite: MATH 2254

A study of selected topics in the history of mathematics with emphasis on the biographies of important mathematicians and the development of significant mathematical ideas.

### MAED 5243 Modern Algebra

3 credits: 3 hours lecture

Prerequisite: Completion of the calculus sequence.

A study of abstract algebraic structures including groups, rings, and fields. Also a survey of number theory to include equivalence relations, divisibility, congruences, and prime distribution.

### MAED 5263 Higher Order Thinking in Mathematics

3 credits: 3 hours lecture

This course provides mathematics teachers in grades five through college with examples of lessons incorporating methods appropriate for students with different learning styles. These lessons emphasize the use of manipulatives, hands-on materials, cooperative learning techniques, portfolio assessment strategies, and technology.

### MAED 5273 Discrete Mathematics

3 credits: 3 hours lecture

Prerequisite: Completion of the calculus sequence

A survey of discrete mathematical systems, including graph theory, combinatorics, and Boolean algebras.

### MAED 5293 Topics in Mathematics

3 credits: 3 hours lecture

Prerequisite: Permission of instructor

Selected topics in contemporary mathematics appropriate for high school teachers.

## MLED Courses (Middle Childhood Education)

### MLED 5013 Teaching the Young Adolescent

3 credits: 3 hours lecture

Students will study and examine the latest data on the developmental characteristics of the young adolescent. The class will also examine and review young adolescent research and how it impacts the instructional strategies, facilities, and the development of programs and materials.

### MLED 5023 History and Philosophy and the Future of Middle Childhood Education

3 credits: 3 hours lecture

This course provides the historical development of the middle school/junior high school, its current status, and the direction of middle childhood education in the future.

### MLED 5033 Middle Childhood Seminar

3 credits: 3 hours lecture

This course will address current issues and research in middle childhood education. Best practices will be reviewed and compared from field experiences with recommendations for change and improvement.

### MLED 5043 Middle Childhood Curriculum

3 credits: 3 hours lecture

This course will address middle childhood curriculum based on research and current practices. Students will examine curriculum theories and middle childhood research will be reviewed regarding design options for integrated curriculum. A required student project will be in the area of middle childhood education and/or a content teaching field.

## MODL Courses (Modern Language)

### MODL 5923 Seminar: Teaching Foreign Language

3 credits: 3 hours lecture

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophy development, test design and evaluation, preparation of classroom materials, lesson planning, and use of current technologies.

## PD Courses (Professional Development)

### PD 550V Professional Development

Variable Credit

A professional development course that cannot be applied toward a master's degree graduate program of study at UAM.

## PE Courses (Physical Education)

### PE 5003 Applied Evaluation in Physical Education

3 credits: 3 hours lecture



Advanced methods of assessment for the components of physical and motor fitness. Latest evaluation procedures in physical education, including review of current literature.

**PE 5033 Research Methods Application in Physical Education**  
3 credits: 3 hours lecture

Study of significant research, research methods, and the application of modern research principles to physical education and related areas.

**PE 5043 Organization and Administration of Athletics**  
3 credits: 3 hours online

To prepare teachers and coaches to organize and administer programs in athletics at the middle school and secondary levels in the public schools.

**PE 5103 Advanced Exercise Physiology**  
3 credits: 3 hours lecture

Exercise physiology and its application to fitness and training with emphasis on recent research, energy metabolism, cardiovascular respiratory function, ergometry, body composition, work capacity, ergogenic aids, aging, health risk factors, and environmental stress.

**PE 5133 Problems and Trends in Physical Education**  
3 credits: 3 hours lecture

The analysis of current literature and research in the field of physical education with emphasis on the isolation of current problems and possible solutions to special problems.

**PE 5213 School and Community Activity Planning**  
3 credits: 3 hours lecture

Organization and administration of recreational programs and activities. Finance, promotion, joint use of areas and facilities, group and individual activities, yearly programs, and future trends.

**PE 5233 Adapted Individually Prescribed Program Practicum**  
3 credits: 3 hours lecture

Diagnostic and prescriptive evaluation in adapted physical education with hands-on testing exposure in areas of low motor ability and fitness. The Adapted Physical Education Individualized Program and its relation to the Special Education Individualized Education Program (IEP) will be stressed.

**PE 5243 Anatomical Kinesiology**  
3 credits: 3 hours laboratory

Human movement and related anatomical and mechanical principles. Biomechanical analysis of joint movement, stability, and range of movement, neuromuscular physiology, and electromyography.

**PE 5253 Psychology of Sports in Physical Education**  
3 credits: 3 hours lecture

A study of selected material from literature in sociology, social psychology, and physical education dealing with the effects and interaction of these areas. Topics dealing with competition, cooperation, the audience, leadership, group interaction and maturation will be considered along with analysis of the cultural significance of sports in contemporary society.

**PE 5313 Applied Nutrition in Wellness and Sports**  
3 credits: 3 hours laboratory

The practical application of modern principles to develop nutritional plans for students, sports participants, and later life fitness. Modern computerized nutritional programs utilized and hands-on experience with modern instrumentation and case studies provided for basal metabolism, lean weight, fat weight,

caloric expenditure, and the use of proper exercise with various nutritional plans.

## **PSCI Courses (Political Science)**

**PSCI 5013 American Political System**  
3 credits: 3 hours lecture

Major approaches to the study of American government. Emphasis on approaches to the study of the Presidency, Congress, the Judiciary, political parties, and interest groups.

**PSCI 5103 The Middle East in Global Perspective**  
3 credits: 3 hours lecture

Major elements of Middle Eastern politics. Emphasis on interaction of cultural, social, political, and economic factors which determine political behavior in the Middle East.

**PSCI 5123 Global Studies**  
3 credits: 3 hours lecture

Nature and analysis of contemporary global issues. Emphasis on frameworks for analyzing global problems and in-depth acquaintance with selected world issues.

**PSCI 5133 Selected Readings in Political Science**  
3 credits: 3 hours lecture

Advanced readings in an area of political science. To be selected in consultation with the course instructor.

## **PSY Courses (Psychology)**

**PSY 5803 Youth at Risk: Child and Adolescent Psychopathology**  
3 credits: 3 hours lecture

An advance preparation and professional development course for educators in alternative learning environments. Course topics include theoretical perspectives of psychopathology, behavior modification, anger management, developmental and learning disorders as well as psychosocial factors related to disadvantaged students.

## **READ Courses (Reading)**

**READ 5033 Survey of Reading Programs and Practices**  
3 credits: 3 hours lecture

Examination of latest instructional strategies in reading instruction. Best practices in reading, writing, speaking, listening, and technology will be examined as they relate to improvement in literacy instruction.

**READ 5063 Literacy Across the Curriculum: An Interdisciplinary Approach**  
3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs  
The learning of science, mathematics, and reading as active, integrated, constructive processes involving experimentation, investigation, communication,

and problem solving.

**READ 5123 Practicum in Reading Instruction**

3 credits: 3 hours laboratory

Practical application of reading and literacy strategies. Students will conduct action-based research that centers on the improvement of reading.

**READ 5203 Developmental and Corrective Reading**

3 credits: 3 hours lecture

Application of learning theory and research findings to diagnosis and remediation of reading difficulties.

## SIS Courses (Spatial Information Systems)

**SIS 502V Special Topics**

Variable Credit

Selected topics in spatial sciences.

**SIS 5043 Advanced Geographic Information Systems I**

3 Credits: 2 hours lecture, 3 hours laboratory

Prerequisite: FRS 5113 and SIS 3814

This course will cover advanced GIS topics such as spatial database design, raster modeling, and 3D modeling. The first third of the course will discuss spatial database structures and the second third of the course students will work on developing cartographic models and performing raster analyses. For example, students will use GIS raster modeling techniques to delineate watersheds and determine view sheds. For the third portion of the course, students study how to display GIS data in three dimensions and how to customize GIS software.

**SIS 5053 Advanced Geographic Information Systems II**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: SIS 5043 and CIS 4623

This course has four focus areas: network analysis for solving transportation and routing problems; metadata creation tools and standards; advanced Global Positioning Systems (GPS); and data services, including the design of a data server and an internet-enabled GIS. Customized applications will be incorporated into existing GIS internet packages for display and presentation on the internet.

**SIS 5063 Remote Sensing**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisite: SIS 3814

Remote sensing concepts including electronic and analog sensor systems, land cover classification, rectifying and registering images, and digital mapping.

**SIS 5073 Spatial Statistics**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: SIS 3814 and FRS 5113, or instructor's permission

This is an analytical, problem-based course that explores the field of spatial statistics. Students will use statistical tools to determine patterns of spatial variability across a wide variety of data sets. Topics discussed will include distance sampling, interpolation methods such as inverse distance weighting, kriging, co-kriging, and point pattern analyses.

**SIS 5083 Digital Photogrammetry**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FRS 5113, SIS 3814, and SIS 5063

Image mosaicing, digital orthophoto creation, aerial triangulation, single image and block triangulation, ground control, digital terrain modeling extraction,

orthorectification, and mono and stereo terrain model editing.

**SIS 5313 Digital Remote Sensing**

3 credits: 2 hours lecture, 3 hours laboratory

Prerequisites: FRS 5113 and SIS 3814, or permission of instructor

Advanced digital remote sensing concepts. Includes principles of remote sensing for mapping, landcover classification, and analysis of spectral data.

**SIS 589V Independent Study in Spatial Sciences**

Variable Credit

Consult the Independent Study and Research subheading in the Graduate Programs section of this catalog for prerequisites and description.

## SPAN Courses (Spanish)

**SPAN 589V Independent Study**

Variable credit. 1-3 hours credit.

See listing for SPAN 479V.

**SPAN 590V Special Topics**

3 credits: 3 hours lecture, may be repeated for credit

Exploration of issues involving philosophy and the humanities. Topics might be a continuing theme, a recent controversy, or a social or scholarly movement. May be repeated for a total of nine hours credit with approval of the dean.

## SPCH Courses (Speech)

**SPCH 589V Independent Study**

Variable credit: 1-3 hours credit

See listing for SPCH 479V. In addition, students would be required to perform significant research under the guidance of a faculty mentor, leading to a professional-quality performance or a competitive-quality research paper that meets the standards of the discipline.

**SPCH 590V Special Topics**

3 credits: 3 hours lecture, may be repeated for credit

See listing for SPCH 4623. In addition, students would be required to write a research paper of significance in the topic area and conduct a minimum of one (1) session of the seminar.

**SPCH 5923 Seminar: Teaching Speech**

3 credits: 3 hours lecture

Evaluation and critique of micro classroom teaching, history of academic discipline, philosophy development, test design and evaluation, preparation of classroom materials, lesson planning, and the use of current technologies.

## SPED Courses (Special Education)

**SPED 5033 Contemporary Issues in Special Education**

3 credits: 3 hours lecture

Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs

The study of current trends, problems, and issues concerning students with exceptionalities are presented and discussed. Also included is a study of the legislation that shapes the field.

**SPED 5043 Application of Assessment Data for Exceptional Learners**  
3 credits: 3 hours laboratory  
Study of current tests used to assess exceptional children.

**SPED 5053 Language Development of Exceptional Learners**  
3 credits: 3 hours lecture  
The study of classification, etiology, abnormalities in growth and development, relationship of speech to handicapping conditions, diagnosis of speech of handicapped children and therapeutic measures used in the development of speech and language.

**SPED 5073 Problems and Issues in Individualized Educational Planning**  
3 credits: 3 hours lecture  
Methods in informal diagnosis and prescriptive programming that provide the teacher with skills to determine the child's learning style and to successfully plan instructional sequences appropriate to the child's changing skill needs.

**SPED 5083 Characteristics of Exceptionality of Young Children**  
3 credits: 3 hours lab  
This course is to provide teachers with information related to the characteristics of young children to help in planning and developing programs of study that are developmentally appropriate and fully aligned with best practices.

**SPED 5093 Collaboration/ Consultation for Inclusion**  
3 credits: 3 hours lecture  
This course focuses on the working area of special education and includes areas regarding inclusion. Candidates will learn about strategies in co-teaching, consulting general education teacher, managing paraprofessionals, and other collaborative models.

**SPED 5103 Advanced Teaching Methods for Persons with Disabilities**  
3 hours credit: 3 hours lecture  
This course is a study of instructional methods, materials, and activities for teaching P-4 students with disabilities. The course addresses needs of this population in areas of functional academics, communication needs, and self-help needs. The class also explores augmentative and alternative communication needs and strategies.

**SPED 5113 Introduction to Teaching Persons with Disabilities**  
3 credits: 3 hours lecture  
This course is an introductory study of instructional methods, materials, and activities for teaching students in P-4 Early Childhood with disabilities. Instructional methods, materials and activities for teaching children with disabilities and children with developmental delay are explored.

**SPED 5123 Managing the Classroom Environment**  
3 credits: 3 hours lecture  
Prerequisite: Admission to the Master of Education Degree Program or a waiver from the Coordinator for Graduate Programs  
Provides competencies required to manage learning and classroom behaviors of exceptional children. Students will be exposed to accepted theoretical and functional principles of behavior management used and observed in the classroom.

**SPED 5263 Methods and Materials for Grades 4-12**  
3 credits: 3 hours lecture  
A study of instructional methods, materials, and activities for teaching students

with mildly handicapping conditions.

**SPED 5313 Methods and Materials for the P-8 Level**  
3 credits: 3 hours lecture  
Instructional methods, materials and activities for teaching children with mildly handicapping conditions.

## **SWK Courses (Social Work)**

**SOCIAL WORK 5803 Social Work and the Educator**  
3 credits: 3 hours lecture  
The purpose of this course is to introduce alternative learning environment educators to social work and social services. Topics of discussion will include the relationship between poverty and diversity in schools; the impact of family dynamics on school performance; child abuse and neglect; crises intervention; and how to work with multiple social service agencies.

## **WLF Courses (Wildlife)**

**WLF 502V Special Topics**  
Variable credit  
Selected topics in wildlife ecology and management.

**WLF 5133 Wildlife-Habitat Relationships**  
3 credits: 3 hours lecture  
Prerequisite: One course in wildlife ecology or permission of instructor  
Advanced concepts in wildlife-habitat relationships. Combines study of natural history and ecological theory to investigate and discuss wildlife-habitat concepts.

**WLF 5143 Landscape Ecology**  
3 credits: 3 hours lecture  
Prerequisite: One course in ecology or permission of instructor  
Advanced concepts associated with landscape ecology. Study of spatial variation in landscapes at a variety of scales. Includes biophysical and societal causes and consequences of landscape heterogeneity.

**WLF 5153 Wildlife Population Analysis and Management**  
3 credits: 2 hours lecture, 3 hours laboratory  
Introduction to the techniques used in the analysis, interpretation, and management of wildlife populations. Measures of abundance, dispersal, fecundity and mortality, population modeling, competition and predation, and the management of rare species and their habitats are discussed in detail.

**WLF 589V Independent Study in Wildlife Ecology and Management**  
Variable Credit  
Consult the Independent Study and Research subheading in the Graduate Programs section of this catalog for prerequisites and description.

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Pam Beard, B.A., M.Ed., Elementary Instructional Science Specialist  
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Sharon Cantrell, B.A., M.Ed., Director of Adult Education; Coordinator for Business & Industry  
Janie Carter, B.S.E., M.Ed., Director of Instruction, Crossett  
G. Bryan Daugherty, B.S., Project Coordinator/Assistant Director Information Technology and Network Management  
Steve Davis, B.S. Special Events Coordinator/University Reservations  
Deanna Duncan, B.S., M.Ed., Math Science Specialist  
Donald Dykes, B.A., M.A. Assistant Football Coach  
Alvy E. Early, B.S.E., M.Ed., Director of Athletics and Head Softball Coach  
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Samuel B. Gregg, B.A., Assistant Football Coach  
Lathan Hairston, B.A., CPA, Business Manager  
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Becky Hammett, B.B.A., Assistant Director of Financial Aid  
Vickey Haycox, B.S., M.Ed., Director of Instruction, McGehee  
Ronald L. Hill, B.S., M.Ed., Head Baseball Coach  
Patricia Holmes, B.S. Director of UAM-CTM Daycare  
Bobby Hoyle, B.S., M.S., Director of Information Technology  
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Regina James, B.A., M.Ed., Director of Upward Bound  
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John Kidwell, B.S., Director of Public Safety  
Lindsey Kight B.S., M.Ed., Director of Student Programs and Activities/Cheer Sponsor  
Desmond R. Lindsey, B.A., Assistant Football Coach  
Kathy Martin, B.A., Adult Education Instructor, Crossett/Hamburg  
Gwaine Mathews, B.A. M.A., Head Football Coach  
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Mike Newell, B.A., M.Ed., Head Men's Basketball Coach  
Kathryn Peacock, B.S.B.A., Arkansas Small Business Director  
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Anisa Ross, B.S., Project Coordinator/Database Administrator  
Nicole C. Smith, B.S., M.S., Head Women's Volleyball Coach  
Paul Smith, B.A., Sports Information Director  
Linda Tucker, B.S., M.Ed., Counselor, Crossett  
Angela Annette Vincent, B.S., Library Supervisor

Jim Wallace, Information Technology Coordinator, McGehee  
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 Mary Whiting, B.S., M.S., Director of Admissions, Special Student Services,  
 International Students

## Emeriti

JOHN T. ANNULIS, Professor Emeritus of Mathematics and Dean of the School of Mathematical and Natural Sciences (1972-2007). B.A., Grand Valley State University; M.A., Ph.D., University of New Mexico.  
 CLAUDE HUNTER BABIN, Professor Emeritus of History and Political Science (1954-1992). B.A., Louisiana State University; M.A., University of Wisconsin; Ph.D., Tulane University.  
 EDMOND J. BACON, Professor Emeritus of Biology (1974-2007). B.S.E., Southern Arkansas University; M.S., University of Arkansas, Fayetteville; Ph.D., University of Louisville.  
 SHIRLEY J. BELL, Assistant Professor Emeritus of English (1965-1992). B.A., Hendrix College; M.Ed., University of Arkansas, Fayetteville.  
 ERNESTINE B. BROOKS, Associate Professor Emeritus of Nursing (1968-1982). R.N., St. Mary's School of Nursing; B.S.E., University of Arkansas at Monticello; M.S.E., Henderson State University.  
 THOMAS CARPENTER, Assistant Professor Emeritus of English (1969-2002). B.A., M.A., North Texas State University; Ph.D., Indiana University of Pennsylvania.  
 JAMES CATHEY, Associate Professor Emeritus of Business Administration (1968-1999). B.S.E., Henderson State University; M.B.A., University of Arkansas, Fayetteville.  
 ED COLBURN, Professor Emeritus of Agriculture and Chair of the Division of Agriculture (1994-2005). B.S., Sam Houston State University; M.S., Louisiana State University; Ph.D., West Virginia University.  
 JESSE M. COKER, Professor Emeritus of Education (1965-1988). B.S.A., M.Ed., Ed.D., University of Arkansas, Fayetteville.  
 FRANCES C. DANIELS, Associate Professor Emeritus of History (1962-1987). B.A., Huntingdon College; M.A., Vanderbilt University.  
 BOYCE DAVIS, Professor Emeritus of Health and Physical Education (1964-1997). B.S.E. University of Arkansas at Monticello; M.Ed., University of Arkansas, Fayetteville; Ed.D., University of Southern Mississippi.  
 WILLIAM DROESSLER, Director Emeritus of Library (1974-2001). B.A., St. John's University; M.L.S., University of Oklahoma; Ph.D., Florida State University.  
 LOUIS DUNLAP, Instructor Emeritus of Mathematics (1973-1996). A.A., Shorter College, B.S.; University of Arkansas at Pine Bluff; M.E., University of Southwestern Oklahoma State University.  
 FRANCES S. FRANKLIN, Associate Professor Emeritus of Speech (1966-1992). B.A., M.A., Louisiana Tech University.  
 MARY JANE GILBERT, Associate Professor Emeritus of Health and Physical Education (1968-1998). B.S.E., Southern Arkansas University; M.S.E., Henderson State University; Ed.D., University of Mississippi.  
 WALTER GODWIN, Professor Emeritus of Chemistry (1974-2007). B.S., Arkansas Tech University; Ph.D., Oklahoma State University.  
 CECIL C. HAYWOOD, Professor Emeritus of Education (1962-1993). A.A., Ventura College; B.S., Arkansas Tech University; M.Ed., Ed.D., University of Arkansas, Fayetteville.  
 FRANCES A. HAYWOOD, Professor Emeritus of Education (1968-1989). B.A., Arkansas College; M.S.E., University of Central Arkansas; Ed.D., University of Arkansas, Fayetteville.  
 DONALD HOLLEY, Professor Emeritus of History (1967). B.A., Louisiana Tech University; M.A., Ph.D., Louisiana State University; M.A., University of Texas.  
 JAMES HUEY, Assistant Professor Emeritus of Biology (1966-1997). B.S., Henderson State University; M.S., University of South Dakota.  
 ALDRED S. K. HUI, Associate Professor Emeritus of Engineering and Physics

(1958-1988). B.S.M.E., National Sun Yet University; B.A.S., M.S.M.E., University of Houston.  
 ROBERT L. KIRCHMAN, Professor Emeritus of Education and Psychology (1961-1987). B.S., Hendrix College; M.Ed., University of Missouri.  
 ROBERT KIRST, Professor Emeritus of Agriculture (1973-1998). B.S., Louisiana State University; M.S., University of Florida; Ph.D., Louisiana State University.  
 TIMOTHY KU, Professor Emeritus of Forestry (1959-1996). B.S., University of Nanking; M.F., Ph.D., Michigan State University.  
 VICTORIA F. KU, Associate Professor Emeritus of Chemistry (1964-1992). B.S., Barat College; M.S., Ph.D., University of Arkansas, Fayetteville.  
 ROBERT A. LANGLEY, Associate Professor Emeritus of Economics (1962-1994). B.S.E., Henderson State University; M.A., Ed.S., George Peabody College.  
 GALE LONG, Associate Professor Emeritus of French (1972-1998). B.A., University of Utah; M.A., Ph.D., Ohio State University; I er Degre, I l eme Degre, Universite De Grenoble.  
 E. WESLEY MCCOY, Associate Professor Emeritus of Forestry (1953-1992). B.S.F., M.S.F., Purdue University.  
 JULIAN W. METTETAL, Assistant Professor Emeritus of Business Administration (1950-1983). B.S., University of Arkansas at Monticello; M.B.A., University of Mississippi.  
 KERMIT C. MOSS, Professor Emeritus of Business Administration (1950-1978). B.B.A., University of Michigan; M.S., University of Arkansas; Fayetteville, C.P.A.  
 GLYNDA NIXON, Instructor Emeritus of Business Administration (1968-2006). B.S.E., University of Arkansas at Monticello; M.S.E., Henderson State University.  
 RICHARD O'CONNOR, Professor Emeritus of Education (1993-2006) B.S. Boston College; M.S., University of Massachusetts; Ed.D. Louisiana State University.  
 BEATRICE I. PEARSON, Assistant Professor Emeritus of Art (1968-1992). B.S., Kansas State College of Pittsburgh; B.A., M.A., Idaho State University.  
 ROBERT S. PEARSON, Professor Emeritus of Chemistry (1968-1992). B.S., Kansas State Teachers College, Pittsburgh; M.S., Ph.D., Kansas State University.  
 IRENE H. PUCKETT, Assistant Professor Emeritus of Psychology (1966-1983). B.S.M.E. University of Arkansas, Fayetteville; M.A., Pennsylvania State University.  
 ELWOOD SHADE, Associate Professor Emeritus of Forestry (1956-1981). B.S., Juniata College; B.S.F., M.F., Pennsylvania State University.  
 ERIC SUNDELL, Professor Emeritus of Biology (1980-2006). B.S., M.S., Arizona State University; Ph.D., Tulane University.  
 JERRY WEBB, Professor Emeritus of Physics (1969-1999). B.S., Northeast Louisiana University; M.S., University of Arkansas, Fayetteville; Ph.D., Texas A&M University.  
 ROBERT W. WILEY, Professor Emeritus of Biology (1972-2002). B.S., Central Missouri State College; M.S., Fort Hays Kansas State College; Ph. D., Texas Tech University.

## Faculty

FARROKH ABEDI, Associate Professor of Mathematics (1982). B.S., Pars College (Iran); M.A., Eastern New Mexico University; Ph.D., Oklahoma State University.  
 D. SCOTT AKIN, Assistant Professor of Agriculture and Extension Entomologist (2001). B.S., University of Tennessee at Martin; M.S., Ph.D., Mississippi State University.  
 MICHAEL ALEXANDER, Assistant Professor of Management (2006). B.B.A., University of Arkansas at Monticello; M.B.A., Webster University; D.B.A., Nova Southeastern University.  
 RHONDA AVERY, M.Ed., B.S.E., Instructor of Adult Education, Crossett (2006). B.S.E., University of Arkansas at Monticello; M.Ed., University of Arkansas at Little Rock.  
 ISABEL BACON, Instructor of Spanish and Art (1992). B.A., University of Louisville; M.A., University of Arkansas, Fayetteville.  
 PAUL BECKER, Professor of Music (1992). B.M., University of Arkansas, Little Rock; M.M., D.M.A., University of Memphis.

REMONA BISHOP, B.S.E., Instructor of Adult Education (1996), B.S.E., Henderson State University.

SARAH BLOOM, Assistant Professor of English (2005), B.A. University of Arkansas at Monticello; M.F.A., George Mason University.

MICHAEL BOTTS, Assistant Professor of Criminal Justice (2005), B.S. University of Central Arkansas; M.S. Illinois State University; Ph.D., American University.

MORRIS BRAMLETT, Professor of Chemistry (1993), Assistant Dean for Sciences, B.S., Arkansas Tech University; Ph.D., University of Arkansas, Fayetteville.

DEBBIE BRYANT, Assistant Professor of Business Administration (1985), B.S.E., University of Arkansas at Monticello; M.Ed., University of Arkansas, Fayetteville; Ed.D., University of Arkansas at Little Rock.

KELLY BRYANT, Professor of Agriculture and Chair of the Division of Agriculture (1993), B.S., M.S., University of Arkansas, Fayetteville; Ph.D., Texas A&M University.

DON BULLOCH, Instructor of Agriculture Technology (1997), B.S., Henderson State University.

ROY CABANISS, Professor of Marketing (2001), B.S., M.S., Oklahoma State University; M.B.A., Jacksonville State University; Ph.D., Oklahoma State University.

NIKKI CALHOUN, R.N., Instructor of Practical Nursing (2003), Baptist School of Nursing.

SANDRA CAMPBELL, Director of Library (1984), B.A., University of Arkansas at Pine Bluff, M.S.L.S., Clark-Atlanta University.

MARILYN CARPENTER, Assistant Professor of Education (2006), B.A., University of Arkansas at Monticello; M.Ed., Ed.D., University of Arkansas, Fayetteville.

LINDA CHAPMAN, Instructor of Mathematics (1986), B.S.E., M.Ed., University of Arkansas at Monticello.

JESSIE CHAPPELL, Instructor of Biology Laboratory (1997), B.S., University of Arkansas at Monticello; M.Ed., University of Arkansas at Pine Bluff.

MARSHA CLAYTON, Associate Professor of Business Administration (1992), B.S., Arkansas State University; M.A., Ph.D., University of Mississippi.

RICHARD CLUBB, Associate Professor of Psychology (1989), B.A., Arizona State University; Ph.D., Texas Christian University.

VANNEISE COLLINS, Associate Professor and Dean, School of Social and Behavioral Sciences (1999), B.A., Ed. M., Ph. D., University of New York at Buffalo.

RICHARD CORBY, Professor of History (1988), B.M.E., M.M.E., Millikin University; M.A., Western Illinois University; Ph.D., Indiana University.

TERRI COSSEY, Instructor of Computer Information Systems (2000), B.B.A., Northeast Louisiana University; M.B.A., University of Arkansas at Little Rock.

JAMES CROW, Instructor of Nursing (2001), A.D.N., University of Arkansas at Monticello; B.S.N., Pacific Union College.

BUREN DEFEE II, Assistant Professor of SIS (2004), B.S., M.S., Ph.D., Texas A&M University.

CHARLOTTE DENTON, Associate Professor of Nursing (1986), A.D.N., B.S.N., University of Arkansas at Monticello; M.S.N., Northwestern State University.

CHARLES L. DOLBERRY, Assistant Professor of Mathematics (2002), M.A., University of Alabama in Huntsville; Ph.D., Auburn University.

KAREN ELISE DONHAM, (2006), Instructor of Computer Information Systems, B.S., University of Arkansas at Monticello; M.B.A., Arkansas State University.

PEGGY DOSS, Associate Professor of Education and Dean of the School of Education (1993), B.A., University of Arkansas at Monticello; M.Ed., University of Arkansas, Fayetteville; M.Ed., University of Arkansas at Little Rock; Ed.D., University of Arkansas at Little Rock.

JIMMY DUBOSE, Welding Technology Instructor (2006), American Welding Society (AWS), Certified Welding Inspector (CWI), Certified Welding Educator (CWE).

J. DONNIE DUBOSE, Instructor of Welding Technology (2005), American Welding Society (AWS), AWS SENSE Welding Inspector and Educator.

MATTIE L. DUNLAP, Assistant Librarian (2004), B.S., University of Arkansas at Monticello; M.S.I.S., University of North Texas.

JAMES EDSON, Professor of Geology (1977), B.S., Arkansas Tech University; M.S., University of Arkansas, Fayetteville; Ph.D., Tulane University.

CAROLE MCGARR EFIRD, Assistant Professor of Mathematics (1998), B.S., M.Ed., University of Arkansas at Monticello; Ed.D., University of Arkansas at Little Rock.

JIM EVANS, Instructor of Speech Communication (2006), B.A., Missouri Southern State University; M.A., Central Missouri State University.

DOROTHY E. EVERTS, Associate Professor of Sociology (1999), B.S., State University of New York-Potsdam; M.A., Ph.D., Arizona State University.

KAREN FAWLEY, Assistant Professor of Biology (2006), B.A., University of Texas at Austin; M.S., Old Dominion University; Ph.D., North Dakota State University.

CHRISTINE FELTS, Associate Professor of Nursing (2001), B.S.N., Deaconess College of Nursing; M.S., Texas Women's University.

ROBERT L. FICKLIN, Assistant Professor of Forestry (2002), B.S., M.S., Ph.D. University of Missouri.

WES FLETCHER, Instructor of Land Surveying (2006), A.S. Land Surveying Technology; B.S. Spatial Information Systems; P.S.

PAUL FRANCIS, Professor of Agriculture (1987), B.S., University of Tennessee at Martin; M.S., Iowa State University; Ph.D., University of Tennessee.

MEMORY FRAZER, Instructor of Physical Education (1999), B.S., University of Arkansas at Monticello; M.S., University of Southern Mississippi.

DEBORAH GIVHAN, Instructor of Education (2006), B.S., Mississippi State University, Starkville; M.A.T., University of Alabama, Tuscaloosa.

PAM GOUNER, Assistant Professor and Interim Chair of the Division of Nursing (2006), B.S., Louisiana State University; M. Ed. Northwestern State University; M.S. University of Phoenix.

ROBERT S. GRABER, Associate Professor of Finance (2002), B.S., Massachusetts Institute of Technology, M.A., M.B.A., Ph.D., University of New Orleans.

CRAIG B. GREATHOUSE, Assistant Professor of Political Science (2004), B.A., University of Akron; M.A., University of Akron; Ph.D., The Claremont Graduate School.

HELEN GIESSEN GUENTER, Associate Librarian (1982), B.A., Centenary College of Louisiana; M.A., Louisiana Tech University; M.L.S., University of Southern Mississippi.

JOE M. GUENTER, Assistant Professor of Physics (1962), B.S., Hendrix College; M.S., University of Arkansas, Fayetteville.

DEXTER GULLEDGE, Professor of Accounting (2001), B.S., B.A., M.B.A., University of Southern Mississippi; D.B.A., Mississippi State University.

ANNETTE HALL, Associate Professor of Music and Associate Dean of the School of Arts and Humanities (1972), B.M.E., University of Arkansas at Monticello; M.M.E., University of Arkansas, Fayetteville.

TED M. HAMMETT, Associate Professor of Accounting (2000), B.S., Louisiana Tech; M.S., Sam Houston State University; D.B.A., Louisiana Tech University.

LYNN HARRIS, Instructor of Computer Information Systems (2005), B.S., University of Arkansas at Monticello, M.B.A., University of Central Arkansas.

SHERRY HARRIS, Instructor of Administrative Information Processing (2004), B.S.E., University of Southern Arkansas.

CLAUDIA HARTNESS, Instructor of English (1969), B.S.E., University of Arkansas at Monticello; M.A., University of Arkansas, Fayetteville.

MARY HEADY, Assistant Librarian (2004), B.A., William Woods University; M.L.S., University of Missouri-Columbia; C.A., Academy of Certified Archivists.

BETTY HENDRICKS, Instructor of English (2000), B.A., M.F.A., University of Massachusetts.

JEAN HENDRIX, Associate Professor of Computer Information Systems (2000), B.S., Arkansas A & M College; M.B.A., University of Arkansas, Fayetteville.

JANICE HOLT, Instructor of Business Education Technology (1975), B.S., University of Arkansas at Monticello.

AMY HUFFMAN, Instructor and Social Work Field Coordinator (2007), B.S. University

- ty of Arkansas at Monticello; M.S. University of Arkansas at Little Rock.
- DONNA HUNNICUTT, Instructor of Education, Graduate Education Coordinator (2002). B.A., M.A.T., University of Arkansas at Monticello.
- JOHN HUNT, Assistant Professor of Biology (2004). B.S., University of Arkansas at Little Rock; M.S., Ph.D., Auburn University.
- THOMAS D. JACOBS, Instructor of Spatial Information Systems (2006). B.S., University of Arkansas at Monticello.
- LOUIS J. JAMES, Professor of Finance and Dean of the School of Business (2003). B.A., William Jewell College; M.A., Ph.D., University of Kansas.
- MARVIN D. JETER, Associate Professor of Anthropology and UAM Station Archeologist, Arkansas Archeological Survey (1988). B.A., University of Alabama, Tuscaloosa; B.A., University of Alabama, Birmingham; Ph.D., Arizona State University.
- C. MORRELL JONES, Professor of Education (1973). B.S.E., University of Arkansas, Fayetteville; M.S., Kansas State College of Pittsburgh; Ph.D., George Peabody College.
- GRACE KE, Assistant Professor of Management (2004). B.E., M. Management, Tianjin University; Ph.D., University of Massachusetts.
- KIRK KEMP, Instructor of Electromechanical Technology-Industrial Controls (1990). B.S., Oklahoma University.
- MYEONG W. KIM, Associate Professor of Psychology (2003). B.A., George Mason University; M.A., University of Arkansas at Little Rock; Ph.D., Texas Tech University.
- KATHY KING, Associate Professor of Health and Physical Education (1988). B.S., Southern Arkansas University; M.S., University of Arkansas, Fayetteville; Ed.D., University of Georgia.
- ROBERT KISSELL, JR., Assistant Professor of S IS (2002). B.S., Christian Brothers College; M.S., Memphis State University; Ph.D., Montana State University.
- RICHARD KLUENDER, Professor of Forestry and Dean of the School of Forest Resources (1984). B.S., M.F., Ph.D., Virginia Polytechnic Institute and State University.
- DAVID KOSKOSKI, Assistant Professor of Music (1972). B.A., Morehead State University; M.A., Marshall University.
- SCOTT KUTTENKULER, Instructor of Speech (2003). B.S., M.A., Central Missouri State University.
- VERA LANG, Associate Professor of Education (1995). B.S., University of Arkansas at Pine Bluff; M.Ed., University of Arkansas, Fayetteville; Ph.D., Iowa State University.
- KENNETH LEIGH, Instructor of Computer Maintenance/Networking and Cisco (1993). Certified Cisco Network Professional (CCNP).
- HAL O. LIECHTY, Professor of Forestry (1996). B.S., M.S., Ph.D., Michigan Technological University.
- KIM LEVEL, Instructor, Partnership Director, and Licensure Officer (2006) B.A.; M.Ed., University of Arkansas at Monticello
- BEVERLY LOBITZ, Assistant Professor of Music (1972). B.M., Kansas State University; M.S., Emporia State University
- JEFFERY LONGING, Instructor of Education (2003). B.S., University of Arkansas at Monticello, M.Ed., North Louisiana University.
- YULANDA LOWRY, B.A., Instructor of Adult Education, Crossett (2006). B.A., University of Arkansas at Monticello.
- SCOTT LYKENS, Assistant Professor of Art (2005). B.F.A., Indiana University of Pennsylvania; M.F.A., Kent State University of Ohio.
- LOWELL F. LYNDE, JR., Associate Professor of Mathematics (1969). B.S., M.S., Louisiana Tech University.
- ANGELA MARSH, Associate Professor of Computer Information Systems (1991). B.S., Henderson State University; M.S., Arkansas State University; M.E., Arkansas Tech University.
- GARY MARSHALL, Professor of Speech (1992). B.S., Murray State University; M.S., Ph.D., Southern Illinois University.
- SUE MARTIN, Assistant Professor of Education (2005). B.S., University of Arkansas, Fayetteville, M.Ed., University of Arkansas at Monticello; Ed.D., University of Arkansas at Little Rock.
- DWAYNE MASSEY, Assistant Professor of Education (2006). B.S., M.S.W., Ed.D., University of Southern Mississippi.
- BETTY MATTHEWS, Professor of English (1967). B.A., B.S.E., University of Arkansas at Monticello; M.A., Ph.D., University of Arkansas, Fayetteville.
- BILLY MCDANIEL, Instructor of Adult Education (1997). B. S., University of Arkansas at Monticello.
- ADAM MCKEE, Associate Professor of Criminal Justice (2002). B.S., M.A., Ph.D., University of Southern Mississippi.
- LORA MEDINA, Instructor of Early Childhood Education (2000). B.S., M.Ed., University of Arkansas at Monticello.
- GARY MEGGS, Assistant Professor of Music and Director of Bands (2002). B.M.E., M.M.E., Henderson State University.
- SAYEED MEHMOOD, Associate Professor of Forestry (2001). B.S., Institute of Forestry University of Chittagong Bangladesh; M.S., University of Maine; Ph. D., Auburn University.
- TOMMY MITCHELL, Instructor of Electromechanical Technology-Instrumentation (2005). Master Electrician.
- ROBERT MOORE, Professor of English (1997). B.S., M.S., Illinois State University; Ph.D., University of Cincinnati.
- GUY NELSON, Instructor of Mathematics (1989). B.S., M.S., University of Arkansas, Fayetteville.
- RUSSELL NORDEEN, Professor of Biology (1992). B.A., University of California, Los Angeles; M.S., Kansas State University; Ph.D., Monash University, Australia.
- LEIA O'FALLON, Associate Professor of Nursing (2002). B.S.N., University of Arkansas at Monticello; M.N.S., University of Arkansas for Medical Sciences.
- PEGGIE ORRELL, Director of Health Occupations (1998). R.N., B.S.N., University of Arkansas at Monticello.
- LESTER PACK, Instructor and Assistant Director of Bands (2005). B.M.E., Henderson State University; M.M., University of Arkansas, Fayetteville.
- DAVID W. PATTERSON, Research Professor of Forestry (1996). B.S., Pennsylvania State University; M.S., Colorado State University; Ph.D., Texas A&M University.
- J. DENNIS PATTERSON, Associate Professor of Business Administration (2000). B.S., University of Missouri; M.B.A., Golden Gate University; Ph.D., University of Illinois.
- DIANE PAYNE, Assistant Professor of English (2000). B.S., Northern Arizona University; M.F.A., University of Arizona.
- MATTHEW PELKKI, Professor of Forestry, George H. Clippert Endowed Chair (2001). B.S., University of Michigan at Ann Arbor; M.S., University of Minnesota; Ph.D., University of Minnesota.
- WAYNE PONIEWAZ, Associate Professor of Psychology (1982). B.A., Marquette University, M.S., Ph.D., Kansas State University.
- MARLA RAMIREZ, Assistant Professor of Education (2005). B.S., M.Ed., Texas A&M University, Kingsville; Ed.D., Texas A&M University, Corpus Christi
- R. DAVID RAY, Professor of Speech (1970). B.A., M.A., Texas Tech University.
- KIM RAY, Instructor of Practical Nursing (2002). R.N., Baptist School of Nursing.
- PAULA REAVES, Assistant Librarian (2004). B.A., University of Arkansas at Monticello; M.S.L.S., University of North Texas.
- ALLEN REDMON, Assistant Professor of English (2006). B.A., Howard Payne University; M.A., Ph.D., Purdue University.
- TOM RICHARD, Professor of Art (1997). B.F.A., Louisiana State University; M.F.A., State University of New York at Albany.
- JAMES ROIGER, Professor of Computer Information Systems and Chair of the Division of Computer Information Systems (1993). A.S., A.A., Southwestern College; A.B., M.A., San Diego State University; Ph.D., University of Arizona.
- HASSAN SAYYAR, Associate Professor of Mathematics (1996). B.S., University of Tehran (Iran); M.A., M.S., Mississippi State University; Ph.D., Kansas State



University.

KELLEY SAYYAR, Instructor of Chemistry Laboratory (1999). B.S., Kansas State University.

JAMIE SCHULER, Assistant Professor of Forestry (2006). B.S. and M. S. SUNY College; Ph.D., North Carolina State University.

LORI SELBY, Associate Professor of Computer Information Systems (1986). B.B.A., Baylor University; M.B.A., University of Arkansas, Fayetteville.

JUAN SERNA, Assistant Professor of Physics (2005). B.S., University of Antioquia; M.S., University of Arkansas; Ph.D., University of Arkansas.

LISA SHARP, Instructor of Computer Instruction, Maintenance/Networking, and Cisco. (1997). B.B.A., Southern Arkansas University, M.B.A., East Texas State University.

ANITA SHAW, Associate Professor of Nursing (1999). B.S.N., University of Arkansas at Pine Bluff, M.S.N., University of Central Arkansas.

WILLIAM L. SHEA, Professor of History (1974). B.A., Louisiana State University; Ph.D., Rice University.

CHRISTOPHER SIMS, Assistant Professor of Biology (2002). B.S., University of North Alabama; Ph. D., University of Mississippi.

GURSARN SINGH, Instructor of EMT/EMT-Paramedics (1992). B.S. Lane University.

RONALD SITTON, Assistant Professor of Journalism (2004). B.A., M.A., University of Arkansas at Little Rock; Ph.D., University of Tennessee at Knoxville.

KENT SKINNER, Professor of Music and Director of Choral Activities (2001). B.A., M.M., University of Northern Colorado; M.M., D.M.A., University of Texas at Austin.

LARRY J. SMITH, Assistant Professor of History (2004). B.A. University of Alabama at Birmingham; M.A., University of Alabama; Ph.D., Texas A. & M. University.

MARK SPENCER, Professor of English and Dean of the School of Arts and Humanities (2005). B.A., University of Cincinnati; M.F.A., Bowling Green State University of Ohio.

C. ROBERT STARK, JR., Associate Professor of Agriculture (1996). A.S., Elizabethtown Community College; B.S., M.S., University of Kentucky; Ph.D., University of Illinois at Urbana-Champaign.

CONNIE STATEN, Instructor of Preschool at UAMCTM Daycare (2005). B.S. Louisiana Tech University.

R. GARY STEVENSON, Instructor of Industrial Equipment Maintenance (2006). Diploma in Industrial Equipment Maintenance, Forest Echoes Technical Institute.

KATE STEWART, Professor of English (1988). B.A., M.A., Ph.D., University of Mississippi.

TRUDY STRINGFELLOW, Instructor of Business Technology (1993). B.S., Northeast Louisiana University, M.Ed., University of Arkansas.

VERONICA STUDARDS, Instructor of Business Technology (1989). B.S., University of Arkansas.

PHILIP TAPPE, Professor of Wildlife Management (1991) and Associate Dean of Forest Resources. B.S., M.S., Stephen F. Austin State University; Ph.D., Clemson University.

JEFFREY TAYLOR, Associate Professor of Chemistry (2006). B.S., University of Arkansas at Little Rock; M.S. University of Texas; Ph.D. University of Arkansas at Fayetteville.

VINCENT X.TELFARE, Lieutenant Colonel, Professor of Military Science (2006). B.S. Delaware State College; M.P.A., Central Michigan University.

S. MAX TERRELL, Professor of Education (1984). B.S., Indiana University; M.S., University of Tennessee; Ph.D., Indiana State University.

LYNNE THOMPSON, Professor of Forestry (1980). B.S., Kansas State University; M.S., Ph.D., University of Minnesota.

STEPHEN A. TRANA, Professor of Music (1996). B.S., Northern Michigan University; M.M., D.M.A., University of Colorado.

SHELA UPSHAW, Instructor of Practical Nursing (1997). A.S.N. University of Arkansas at Monticello.

CURTIS VANDERSCHAAF, Assistant Professor of Forestry (2006). B.S., Stephen F. Austin University; M.S., University of Ohio; Ph.D. Virginia Tech University.

KAY WALTER, Assistant Professor of English (2006). B.A., University of Arkansas at Monticello; M.A., University of Central Arkansas; Ph.D. Texas A & M University.

SHARON WALTERS, Associate Professor of Nursing (1995). B.S.N., University of Arkansas at Monticello; M.S.N., Delta State University.

SANDRA WATSON, Instructor of English (1995). B.A., University of Arkansas at Pine Bluff; M.A., New Mexico State University.

LINDA WEBSTER, Professor of Speech (1990). B.S., M.A., Southern Connecticut State University; Ph.D., Louisiana State University.

MARK WEGLEY, Instructor of English (2000). B.A., University of Washington; M.A., Boise State University.

ROBERT C. WEIH, JR., Professor of Forestry (1994). A.S., Northwestern Connecticut Community College; B.S., Northern Arizona University; M.S., University of Minnesota; Ph.D., Virginia Polytechnic Institute and State University.

BELINDA WELLS, Instructor of Nursing (2004). B.A., B.S.N., University of Arkansas at Monticello.

DONNELL D. WHITE, JR., Associate Professor of Forestry (2000). B.S., M.S., Southwest Missouri State University; Ph.D., Montana State University at Bozeman.

WHITNEY A. WHITWORTH, Assistant Professor of Animal Science (2002). B.S., M.S. Angelo State University; Ph.D., Texas A&M University.

CHRISTOPHER J. WRIGHT, Instructor of Political Science (2002). B.A., Southern Utah University; M.A., University of Southern California.

BORIS ZEIDE, Professor of Forestry (1980). M.Sc., The Moscow College of Forestry; Ph.D., All-Union Research Institute of Standardization, (Russia).

ELIZABETH ZEIDE, Instructor of Mathematics (1989). M.S., The Penza Polytechnical Institute, (Russia).

CAROLYN A. ZIMMERLY, Assistant Professor of Education (2006). B.S.E., Lamar University, Beaumont, TX; M.S.E., University of Central Arkansas, Conway; Ph.D., University of Arkansas, Fayetteville.

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