



UNDERGRADUATE CATALOG

2016-2017



UNDERGRADUATE CATALOG 2016-2017

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Philosophy of Education

The end of education is to know God and the laws and purposes of His universe, and to reconcile one's life with these laws. The first aim of a good college is not to teach books, but the meaning and purpose of life. Hard study and the learning of books are only a means to this end. We develop power and courage and determination; and we go out to achieve Truth, Wisdom and Justice. If we do not come to this, the cost of schooling is wasted.

John B. Watson
First President, AM&N College
1928-1942

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UNIVERSITY OF ARKANSAS AT PINE BLUFF

Quick Reference Telephone Numbers

Academic Records <i>Room 224 Administration Hall</i>	870-575-8487
Addiction Studies <i>Room 202 Walker Research Building</i>	870-575-8714
Admissions Office <i>Room 205 Caldwell Hall</i>	870-575-8492
Toll Free Number	800-264-6585
Alumni Affairs <i>Room 207 Administration Hall</i>	870-575-8498
Athletics Department Fieldhouse	870-575-7950
Athletics Department HPER	870-575-7184
Athletics Department <i>Golden Lion Stadium</i>	870-575-7173
Athletics Department <i>Stadium Baseball</i>	870-575-8995
Band <i>Hathaway-Howard Fine Arts Center</i>	870-575-7114
Basic Academic Services <i>Room 150 Corbin Hall</i>	870-575-8356
Bookstore (Follett) <i>Room 100 L. A. Davis Student Union</i>	870-575-8577
Campus Activities Office <i>Room 218 L. A. Davis Student Union</i> ..	870-575-7061
Career Services <i>Room 202 Caldwell Hall</i>	870-575-8461
Cashier Office <i>Room 116 Administration Hall</i>	870-575-8279
Center for Teaching and Learning <i>Room 106 Caldwell Hall</i>	870-575-7040
Chancellor's Office <i>Room 201 Administration Hall</i>	870-575-8471
Choir <i>Hathaway-Howard Fine Arts Center</i>	870-575-7001
Continuing Education and Graduate Studies	
<i>Room 107 Walker Research Center</i>	870-575-8315
Dean of Students <i>Room 201 Caldwell Hall</i>	870-575-8360
Delta Housing Complex	870-575-6301
Department of Accounting & Business Education	
<i>Room 385 Henderson-Young Hall</i>	870-575-8587
Department of Agriculture <i>Room 124 Woodard Hall</i>	870-575-8535
Department of Aquaculture and Fisheries	
<i>Room 211 Woodard Hall</i>	870-575-8968
Department of Art	
<i>Room A100 Hathaway-Howard Fine Arts Center</i>	870-575-8236
Department of Biology <i>Room 109 Kountz-Kyle Hall</i>	870-575-7044
Department of Business Administration & Economics	
<i>Room 307 Henderson-Young Hall</i>	870-575-8575
Department of Chemistry & Physics	
<i>Room 339 Caine-Gilleland Hall</i>	870-575-7154
Department of Curriculum and Instruction	
<i>Room 326 Dawson-Hicks Hall</i>	870-575-8989
Department of English, Theatre & Mass Communications	
<i>Room 316 Henderson-Young Hall</i>	870-575-8624
Department of Health, Physical Education & Recreation (HPER)	
<i>Room 311 Kenneth L. Johnson HPER Complex</i>	870-575-7184
Department of Human Sciences	
<i>Room 145 Adair-Greenhouse Hall</i>	870-575-8806

Department of Mathematics and Computer Science	
<i>Room 349 Henderson-Young Hall</i>	870-575-8761
Department of Music	
<i>Room 100 Hathaway-Howard Fine Arts Center</i>	870-575-7001
Department of Nursing <i>Room 129 Caine-Gilleland Hall</i>	870-575-8220
Department of Social & Behavioral Sciences	
<i>Room 349 Dawson-Hicks Hall</i>	870-575-8187
Disability Services/Veteran Affairs <i>Room 208 Caldwell Hall</i>	870-575-8089
Douglas Hall	870-575-5877
Enrollment Management & Student Success	
<i>Room 206 Caldwell Hall</i>	870-575-8362
Fischer/Stevens Hall.....	870-575-5168
Harold Complex Living & Learning Center.....	870-575-4072
Health Services <i>Hugh Browne Infirmary</i>	870-575-7106
Honors Program <i>Room 304 Dawson-Hicks Hall</i>	870-575-8065
Human Resources <i>205 Administration Hall</i>	870-575-8405
Hunt Hall.....	870-575-8560
Information.....	870-575-8000
Intramural Sports <i>Room 101 L. A. Davis Student Union</i>	870-575-7064
Johnny B. Johnson Hall.....	870-575-8099
Johnson/Copeland Hall	870-575-5588
KUAP (Radio Station)	
<i>Room 204 Hathaway-Howard Fine Arts Center</i>	870-575-8272
Lewis Hall.....	870-575-5963
Library <i>John Brown Watson Memorial Library</i>	870-575-8411
Minority Initiative Sub-Recipient Grant Office	
<i>Suite 6, UAPB Plaza</i>	870-575-8923
Pathways to Graduate & Professional Schools	
<i>Room 386 Henderson-Young Hall</i>	870-575-7014
Printing Services <i>Room 102 Rust Technology Hall</i>	870-575-8740
Public Safety (Police Department)	870-575-8102
Recruitment <i>Room 339 Henderson-Young Hall</i>	870-575-7176
Toll Free Number.....	800-264-8272
Residential Life (Housing)	870-575-7256
ROTC (Division of Military Science)	
<i>U S Army ROTC Building</i>	870-575-8446
School of Agriculture, Fisheries and Human Sciences	
<i>Room 172 S. J. Parker Extension Complex</i>	870-575-8529
School of Arts & Sciences <i>Room 113 Caine-Gilleland Hall</i>	870-575-8210
School of Business and Management	
<i>Room 348 Henderson-Young Hall</i>	870-575-8233
School of Education <i>Room 229 Dawson-Hicks Hall</i>	870-575-8256

STEM (Science, Technology, Engineering & Mathematics) Academy	
STEM Building.....	870-575-7112
Student Accounts (Student Financial Services)	
Room 101 Caldwell Hall	870-575-8306
Student Counseling, Assessment and Development	
Room 207 Caldwell Hall.	870-575-8969
Student Financial Services Room 102 Caldwell Hall.	
Toll Free Number	800-264-6523
Student Government Association	
Room 205 L. A. Davis Student Union.....	870-575-8520
Student Support Services (Freshman Tutoring Program)	
Room 143 Corbin Hall.	870-575-8379
Technical Services Room 110 Administration Hall.....	870-575-4773
UAPB-TV Reeker Street Entrance Rust Technology Hall.....	870-575-4789
University College Room 100 Corbin Hall.....	870-575-8335
Vice Chancellor for Development/Institutional Advancement	
Room 114 Childress Hall.....	870-575-8701
Vice Chancellor for Academic Affairs	
Room 213 Administration Hall.....	870-575-8477
Vice Chancellor for Finance & Administration	
Room 204 Administration Hall.....	870-575-8970
Vice Chancellor for Research, Innovation & Economic Development	
Room 208 Administration Hall.....	870-575-8216
Vice Chancellor for Student Affairs	
Room 209 Administration Hall.	870-575-7172
Vice Chancellor's Conference Room 203 Administration Hall.....	870-575-8970
Viralene J. Coleman Writing Center Room 105 Corbin Hall.....	870-575-8686

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General Information

History of the University of Arkansas at Pine Bluff

The University of Arkansas at Pine Bluff (UAPB) is a post-secondary educational institution whose origin in 1873 was embedded in an Act of the Arkansas State Legislature. The purpose of the legislation was to provide education for the state's African-American population.

In 1875, Branch Normal College, a branch of the Arkansas Industrial University (now the University of Arkansas) opened its doors to seven (7) students in a one-story frame house on the corner of Lindsey and Sevier streets in Pine Bluff, Arkansas. As a branch of the Normal Department of the Arkansas Industrial University, its primary goal was the preparation of teachers. J. C. Corbin, former State Superintendent of Instruction and Chairman of the Board of Trustees for the Arkansas Industrial University, was named Superintendent of the newly created institution. With the passage of the Second Morrill Act of 1890, Branch Normal became a land-grant institution and its

curriculum was expanded to include instruction in agriculture and the mechanical arts and associated trades.

Between 1911 and 1915, the curriculum was reduced to instruction in elementary and secondary coursework. During this time, the institution was called Branch Normal School. Jefferson Ish, a native Arkansan, succeeded several leaders that followed J. C. Corbin in 1915. He re-established programs that were lost under prior administrations, and the institution was reorganized to align its programs with its designation as an 1890 land-grant institution. Ish developed a strong agriculture program to accompany the teaching component and initiated training in allied trades; thus, establishing a strong foundation for the college. In 1921, the name of the school was changed to the Arkansas Agricultural, Mechanical and Normal (AM&N) School to reflect the 1890 land-grant focus as well as its original goal of training teachers. In 1925-1926, AM&N School advanced to become a two-year junior college and in 1927, AM&N School which was renamed Arkansas Agricultural, Mechanical and Normal College, expanded its curriculum to four years, and was made independent of Arkansas Industrial University. Dr. John Brown Watson became the institution's first president in 1929.

AM&N College operated as an independent institution for 47 years from 1927-1972. Arkansas Agricultural, Mechanical and Normal College was merged with the University of Arkansas System in 1972 and renamed the University of Arkansas at Pine Bluff (UAPB).

UAPB is the only Historically Black College/University (HBCU) in the University of Arkansas System. In addition, it is the second oldest educational institution in Arkansas and it is the state's oldest HBCU.

Currently, the institution's student population is 91.23% Black or African American; 4.93% White; 1.81% Non-Resident Alien; 0.41% Asian; 1.39% Hispanic; 0.19% American/Alaska Native; and 0.04% two or more races.

Since its creation in 1873, the institution has been led by the following dynamic educational leaders:

1873-1902	Joseph Carter Corbin Principal
1902-1911	Isaac Fisher Principal
1911-1915	W. S. Harris, Superintendent* and F. T. Venegar, Principal
1915-1921	Jefferson Ish Superintendent
1921-1922	Charles Smith Superintendent
1922-1928	Robert E. Malone Superintendent
1928-1942	Dr. John B. Watson President
1943-1959	Dr. Lawrence A. Davis, Sr. President
1959-1960	Dr. Earl Evans Acting President
1960-1973	Dr. Lawrence A. Davis, Sr. Chancellor
1973-1974	Dr. Johnny B. Johnson, Sr. Interim Chancellor
1974-1981	Dr. Herman B. Smith, Jr. Chancellor
1981-1985	Dr. Lloyd V. Hackley Chancellor
1985-1986	Dr. Johnny B. Johnson, Sr. Provost
1986-1991	Dr. Charles A. Walker Chancellor
1991	Dr. Carolyn F. Blakely Interim Chancellor
1991-2012	Dr. Lawrence A. Davis, Jr. Chancellor
2012-2013	Dr. Calvin Johnson Interim Chancellor
2013	Dr. Laurence B. Alexander Chancellor

MISSION, VISION, VALUES

MISSION STATEMENT

“The University of Arkansas at Pine Bluff is a public comprehensive HBCU 1890 Land-Grant institution. The University embraces its land-grant mission of providing cutting edge research, teaching, outreach, and service programs that respond to social and economic needs of the state and region. Its mission is to promote and sustain excellent academic programs that integrate quality instruction, research, and student learning experiences responsive to the needs of a racially, culturally, and economically diverse student population. Ultimately, the University is dedicated to providing access and opportunity to academically deserving students and producing graduates who are equipped to excel through their contributions and leadership in a 21st century national and global community.”

VISION STATEMENT

“The University of Arkansas at Pine Bluff will be widely recognized as the University of choice for students, faculty, staff, and future employers of our students. UAPB will be renowned

nationally and internationally for excellence in teaching, research, service, and outreach with exceptional academic programs and globally competitive students. As a pre-eminent land-grant institution, UAPB will enrich the lives of people in the Arkansas Delta and beyond.”

VALUES

STUDENT FOCUSED > UAPB promotes the intellectual, physical, social, and professional development of students in all facets of University life.

EXCELLENCE > UAPB is committed to the highest levels of achievement in all aspects of operations.

INTEGRITY > UAPB maintains the highest standards of ethical, professional practices in all that it does.

ENGAGEMENT > UAPB extends its reach and impact in the region through partnerships and collaborations with individuals, public and nonprofit agencies, community groups, educational institutions, and businesses.

QUALITY CUSTOMER

SERVICE > UAPB provides an environment of respectful, polite, and consistently excellent service to its internal and external constituents.

DIVERSITY > UAPB respects and embraces diversity and actively supports efforts that combat prejudice, stereotyping, and discrimination.

GLOBALIZATION > UAPB promotes internationalization and prepares globally aware and astute students for the 21st century.

ACCOUNTABILITY > UAPB is a responsible steward of public and private resources and the public trust.

PRIORITIES AND GOALS OF THE UNIVERSITY

PRIORITY 1

Create and Sustain a Culture of Academic Excellence, Success, and Renewal Necessary to Grow Enrollment

GOAL 1: Strengthen and grow the University's enrollment by enhancing access, flexibility, and responsiveness to meet the changing educational needs of students.

GOAL 2: Recruit and retain gifted students by providing an academically challenging learning environment.

GOAL 3: Promote excellence in teaching, scholarship, research, and service by rewarding faculty who are outstanding scholars and teachers who make significant contributions to student success.

GOAL 4: Strengthen the capacity and quality of STEM-oriented degree programs.

GOAL 5: Develop or enhance undergraduate and graduate programs in areas that address the social, economic, environmental, ethical, scientific, and political issues of the 21st century.

PRIORITY 2

Increase the Effectiveness and Efficiency of University Operations and Systems

GOAL 1: Improve the effectiveness and efficiency of University operations to sustain the transformation of the University.

GOAL 2: Continue to improve programs and services through a systematic and ongoing process of planning, assessment, and review to create an environment that is accessible and welcoming to students, staff, faculty, alumni, and the greater community.

PRIORITY 3

Modernize and Upgrade University Infrastructure and Facilities

GOAL 1: Fully modernize campus facilities and infrastructure to create an environment that is accessible and inviting to students, staff, faculty, alumni, and the greater community.

GOAL 2: Adopt a Comprehensive Campus Master Plan to improve and maintain the University's physical facilities in order to enrich the teaching and learning environment.

PRIORITY 4

Strengthen the Capacity to Attract Diverse Streams of Revenue and Resources

GOAL 1: Expand the University's resource base to generate revenue and build the financial resources vital to fulfilling its mission and vision.

GOAL 2: Create additional streams of revenue by maximizing the University's intellectual assets.

GOAL 3: Expand and enhance a comprehensive fund-raising campaign to support the University's goals and initiatives.

PRIORITY 5

Enhance and Improve UAPB's Reputation and Visibility

GOAL 1: Communicate the role and the value of the University by the consistent messaging of the University's mission, vision, goals, and core values.

GOAL 2: Create internal and external awareness of the University's outstanding contributions and its role as a critical resource and valuable partner in advancing cultural, economic, and educational aspirations.

UNIVERSITY TRADITIONS

The life of every student is enriched by traditions that have become a part of the University through the years. From its rich history, the campus observes the following traditions:

Band Concert

Annually, the Music Department presents the University Band in concert.

Black History Month

During the month of February, Black History Month is observed in order to pay tribute to noted African Americans who have made significant contributions to the progress of mankind as a whole and to African Americans in particular.

Chancellor's Benefit for the Arts

This is a formal affair presented with elegance. The proceeds from this event support the visual and performing arts at UAPB, the "Keepers of the Spirit" Exhibit and historical review of Branch Normal/AM&N College/University of Arkansas at Pine Bluff.

Chancellor's Convocation

An all-school assembly, originally established by President L. A. Davis, Sr., as the "family chat hour," is held at the beginning of each semester.

Founders' Day

Each year the University pauses on the Thursday closest to April 25th (the date of the founding of the institution) to pay tribute to those whose services and sacrifices have made the University's achievements possible for the annual Founder's Day Convocation; classes are dismissed. The celebration also includes sunrise service, and a family breakfast on the following Sunday.

Handel's Messiah

Each year the University choir performs Handel's Messiah during the Christmas season. The Vesper Choir is assisted by the University Concert Band and

by a string ensemble from the Arkansas Symphony Orchestra. The Messiah is considered to be the best oratorio in music history. Traditionally, the presentation of the Messiah marks the official opening of the Christmas season on the campus. The event is sponsored by the Department of Music.

Homecoming

Annually, the University sets one weekend during the Fall Semester for the celebration of its Homecoming activities. Plans are made under the direction of the Homecoming Committee, which consists of faculty, staff and students, to extend the traditional UAPB hospitality to alumni, former students, guests, friends and supporters.

Honors and Awards Day

Students are recognized for academic achievement and contributions to the University through scholarships and awards. This recognition is held in conjunction with the annual Founder's Day Convocation.

Lion Fever Day

During the Fall and Spring Semesters, high school students throughout the state of Arkansas and adjoining states are invited to the campus for a day of information and activities.

Spring Emphasis Week

Each spring, usually in March and April, one week is devoted to honoring different components of the University family: students, faculty, staff, the community, parents, women and all others who contribute to the life-line of the University.

Spring Unity Fest

This is an activity designed to bring together the University and the community through entertainment, food, games, vendors, information booths, novelty attractions and contests.

Vesper Choir Concert

On the Friday before Commencement, the University Vesper Choir performs its annual concert on the steps of the John Brown Watson Library.

Procedure for Disseminating Student Information

"Family Educational Rights and Privacy Act of 1974 (FERPA) - A federal law designed to protect the privacy of educational records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings."

In accordance with the Family Educational Rights and Privacy Act of 1974, certain information pertaining to students may not be released to a third party without the written consent of the student. Therefore, the University of Arkansas at Pine Bluff hereby designates the following categories of student information as public or "Directory Information". Such information may be disclosed by the institution for any purpose, at its discretion:

CATEGORY I: Name, address, telephone number, dates of attendance, and classification.

CATEGORY II: Previous institution(s) attended, major field of study, awards, honors (includes Dean's list), degree(s) conferred (including dates).

CATEGORY III: Past and present participation in officially recognized sports and activities, physical factors (height/weight of athletes), date and place of birth.

NOTE: Information pertaining to the student's academic status is **CONFIDENTIAL**, and should not be released without the written consent of the student (Example: transcripts, grade reports, grade point average, ACT scores, class rank and academic status.)

Currently enrolled students may withhold disclosure of any category of information under the Family Educational rights and Privacy Act of 1974, as amended. To withhold disclosure, written notification must be received in the Office of Academic Records/Registrar prior to the last day to complete registration. Forms requesting the withholding of "Directory Information" are available in the Office of Academic Records/Registrar.

The University of Arkansas at Pine Bluff assumes that failure on the part of any student to specifically request the withholding of categories of "Directory Information" indicates individual approval for disclosure.

The University of Arkansas at Pine Bluff may disclose educational records without written consent of students to the following groups who have a ["legitimate educational interest"](#):

- Employees within the University of Arkansas at Pine Bluff who maintain educational records and those with a legitimate educational interest, including faculty or staff who deal with the student and carry out education studies, and employees designated by them to assist in these tasks;
- Any university employee, or person acting on behalf of the university, may have access to student records without the student's written consent if that person needs the access to carry out his/her employment responsibilities.;
- Officials of other colleges or universities in which the student seeks to enroll, with a notice of the disclosure being sent to the student's last known address;
- Organizations conducting studies approved by the University having educational value or concerning financial aid;
- Accrediting organizations approved by the University carrying out their accrediting functions;
- Parents who submit to the Registrar a copy of the first page of their most recent federal income tax form, indicating that their child/student is a dependent as defined by the internal revenue service;

- Persons in compliance with a judicial order or a lawfully issued subpoena, with a notice of the disclosure being sent to the last known address of the student;
- Persons in an emergency if, in the judgment of an official in charge of the records, knowledge of the information is necessary to protect the health or safety of the student or other person; and
- In addition, the University would release education records if ordered by a subpoena.
- The disclosure is to state or local educational authorities auditing or enforcing Federal or State supported educational programs or enforcing Federal laws which relate to those programs;
- The disclosure is in connection with determining eligibility, amounts, and terms for financial aid or enforcing the terms and conditions of financial aid; and
- The information disclosed has been appropriately designated as directory information by the school.

Disciplinary Records

Provisions of the Family Educational Rights and Privacy Act of 1974, as amended by the Higher Education Amendments of 1998, govern access to a student's disciplinary file. The student and/or those College officials who demonstrate a legitimate educational need for disciplinary information may have access to the student's disciplinary file. Parent(s), who provide proof that a student is a dependent as defined in Section 152 of the Internal Revenue Code of 1954, can have access to the student's disciplinary file without written consent of the student. An example of such proof would be a copy of the last federal income tax return listing the student as a dependent. In this case, parents may also have access to a disciplinary file, even if the student has requested otherwise.

In addition, parent(s) may be notified if a student under 21 years of age is found responsible for a violation involving use or possession of alcohol and drugs.

The Campus Security Act permits higher education institutions to disclose to alleged victims of any crime of violence (murder, robbery, aggravated assault, burglary, motor vehicle theft) the results of the conduct proceedings conducted by the institution against an alleged perpetrator with respect to such crime. The Campus Security Act also requires that both the accused and the accuser must be informed of campus-conducted proceedings involving a sexual assault.

Additionally, the Higher Education Amendments of 1998 permit disclosure of the final results of disciplinary cases in which a student has been found responsible for a violation involving violence or for a sex offense.

Parental Access to Children's Education Records

At the post-secondary level, parents have a right to inspect their dependent child's education records. However, the University cannot assume the dependency status of all of our students and thus requires one of the following to release records to a student's parents:

- **Written consent of the student; and/or**
- **Submission of evidence that the parents declare the student as a dependent on their most recent Federal Income Tax form (IRS Code of 1954, Section 152).**

The Office of Academic Records/Registrar has been designated as the official office to verify enrollment, release transcripts and grade reports, and to certify any information pertaining to the student's academic record.

Annual Security Report – Campus Sex Crime Prevention Act

A list of current sex offenders associated with the University of Arkansas at Pine Bluff is developed and maintained in the Department of Public Safety and Police, in the Campus Police Complex located at 1200 North University Drive, Pine Bluff, Arkansas. Questions may be addressed to the Office of Internal Review/Administrative Services, to the attention of Mr. Maxcie Thomas.

University Schedule Disclaimer

This schedule does not create a binding contract. While every effort will be made to carry out courses as described, this schedule of classes is issued early for the convenience of students in planning. The University reserves the right to cancel courses with insufficient enrollment. Further, the University reserves the right to revise the courses, locations, and personnel listed as justified. Every reasonable effort is made to honor the schedule once it is advertised. The University recognizes that changing the information can be problematic for our students, faculty, and staff.

Accreditation and Membership

The University of Arkansas Pine Bluff is fully accredited by the Higher Learning Commission. It has program accreditation by the National Association for Schools of Music, American Home Economics Association, International Association of Counseling Services, the Council for the Accreditation of Educator Preparation (CAEP), the Association of Technology, Management and Applied

Engineering (ATMAE), and the Accreditation Council for Business Schools and Programs (ACBSP). The institution is a member of the American Council on Education, American Association of Colleges for Teacher Education, National Association of State Universities and Land Grant Colleges, Association of American Colleges, National Collegiate Honors Council, and the Council on Social Work Education.

ACADEMIC DEGREE PROGRAMS

SCHOOL OF AGRICULTURE, FISHERIES AND HUMAN SCIENCES

Agricultural Sciences, B. S.
 Agricultural Business
 Agricultural Economics
 Plant and Soil Science
 Animal Science
 General Agriculture
 Agriculture Education**
 Regulatory Science Interdisciplinary Degree, B.S.**
 Agriculture
 Environmental Biology
 Industrial Health and Safety
 Aquaculture and Fisheries Sciences, B.S.
 Aquaculture
 Aquaculture & Seafood Business
 Fisheries Science
 Human Sciences, B.S.
 Human Development/Family Studies
 Merchandising, Textiles & Design
 Nutrition and Dietetics
 Food Service/Restaurant Management
 Human Sciences Education*

SCHOOL OF ARTS AND SCIENCES

Liberal and Fine Arts Units

Art, B.S.*
 Visual Arts
 Art Education
 English, Theatre & Mass Communications
 English, B.A.
 English Literature/Liberal Arts
 English Education*
 Theatre, B.A.
 Acting
 Theatre Management
 Journalism, B.A.
 Mass Communications, B.A.
 Broadcast Journalism
 Print Journalism
 Social and Behavioral Sciences
 Criminal Justice Studies, B.A.
 Social Science, B.A.
 Gerontology
 History
 Political Science
 Sociology
 Social Studies Education*
 Social Work, B.A.
 Psychology, B.S.

Music, B.S.*
 Music Teaching
 General (Non-Teaching)
 Sound Recording Technology

Science and Technology Units

Biology, B.S.*
 Regulatory Science/Biology**
 Chemistry and Physics, B.S.*
 Chemistry
 Physics
 Mathematical & Computer Sciences, B.S.
 Computer Sciences, B.S.
 Mathematics, B.S.*
 Applied Mathematics
 Pre-Engineering (Transfer Program)
 Nursing
 RN-BSN
 Generic
 Industrial Technology Management and Applied Engineering, B.S.
 Regulatory Science/Industrial Health/Safety**

SCHOOL OF BUSINESS AND MANAGEMENT

Accounting, B. S.
 Business Administration, B. S.
 Economics
 Marketing
 Finance
 Management
 Business Technology Education

SCHOOL OF EDUCATION

The School of Education is composed of the Departments of Curriculum and Instruction and Health, Physical Education and Recreation. The school offers a Bachelor of Science Degree in -

Elementary Education
 Middle Childhood Education (Choose two):
 Social Studies, Language Arts, Mathematics or Science
 Rehabilitation Services
 Health, Physical Ed. & Recreation, B. S.
 Physical Education/K-12 Teaching Option*
 Recreation/Wellness Option

The School of Education offers licensure in the following areas:

Business Technology Education*
 English Education*
 Mathematics Education*
 Music Teaching*
 Science Education*
 Social Studies Education*

UNIVERSITY COLLEGE

General Studies, B.S.

School of Education Licensure Programs*
 Interdisciplinary Degree**

DISCLAIMER

This catalog should not be regarded as an irrevocable or inflexible commitment on the part of the University. Any fees, changes, courses, programs and activities described herein are subject to cancellation or termination by the University or its governing board at any time with proper cause.

Each student is personally responsible for knowing all requirements established for a degree and for adhering to all published regulations of the University. It is the student's responsibility to be aware of these regulations and to satisfy the degree requirements. The student's advisors or counselors do not assume that responsibility. Any substitution, waiver, or exemption from any established departmental or college requirement for academic standards may be accomplished only with the recommendation of the student's dean and/or approval of the Vice Chancellor for Academic Affairs.

It is each student's responsibility to pursue a chosen academic curriculum as it appears in this catalog.

Changes in University Regulations

The University reserves the right to change the regulations for admission to, instruction in, and graduation from the University and to change other regulations affecting the student body at any time. New regulations go into force whenever proper authorities determine they are needed and apply both to prospective students and to those matriculating at the time.

Curriculum changes will not affect fulltime students who have declared and are pursuing a major. Providing enrollment continues without interruption, these students shall continue to pursue the curriculum as identified in the degree plan existent at the time they declared their majors. Changes in state certification requirements and state laws, however, may alter curriculum offerings and requirements for graduation, regardless of when a student entered a given curriculum.

Admissions and Academic Regulations

The University of Arkansas at Pine Bluff offers equal educational opportunities to all persons in accordance with the Civil Rights Act of 1964, as amended. Students may be admitted to the University in one of four ways: as a freshman, transfer student, special student, or as an early admission student. All applicants must submit a formal application for admission and other appropriate academic credentials, which include transcript and ACT or SAT scores. All requirements must be met before the University grants permanent admission status.

Freshman Admission

Any graduate of an accredited high school may be admitted unconditionally or conditionally to the University. The admissions credentials for an entering freshman must include the following:

Formal Application

1. Formal application for admission including applicant's social security number. (www.uapb.edu)
2. Preliminary high school transcript (at least seven semesters completed).
3. Final high school transcript with graduation date, GPA, and school seal.
4. ACT or SAT test scores (The required test is the ACT. Students may substitute the SAT).
5. Immunization Record required with proof of two dated MMR vaccinations.
6. International students must have the concurrence of a University Principal Designated School Official (PDSO) charged with compliance of Immigration guidelines.

Before a student can register for classes, the applicant must meet all admission requirements. Admission to the University requires 22 high school units, including the following:

REQUIRED HIGH SCHOOL UNITS
4 units English
1/2 unit Oral Communications
3 units Science (Biology, Chemistry, or Physics)
3 units Social Studies (1 unit American History, 1 unit World History and 1/2 units Civics or American Government, 1/2 unit Social Studies)
4 units Math (Algebra I, II, Geometry and Trigonometry)
1/2 unit Physical Education
1/2 unit Health and Safety
1/2 unit Fine Arts
2 units Foreign Language
4 units Electives
22 Total Units

A grade point average of 2.0 and above and a composite score of 19 and above are the general requirements for full admissions. Students graduating from Arkansas high schools with less than an overall grade point average of 2.0 and a composite score of 15 on the ACT may be granted conditional admission, with the understanding that the student must maintain an average of 2.0 or better in order to continue studies at the University.

Students with less than a 2.0 average who do not have a composite score of 19 or better

on the ACT will be assigned the appropriate units of the university's developmental skills improvement program and will register with the Student Success Center for additional support.

General Education Development Test (GED): The University can admit applicants meeting the requirements for the GED certificate on the basis of the certificate and ACT or SAT scores.

Early Admission

In accordance with Act 60 of 1989, 75th General Assembly for the State of Arkansas, the University developed revised criteria for early admission. High school students who have completed 17 units of high school core curriculum as recommended by the Arkansas State Department of Education, have a minimum grade point average of "B" (3.00 on a 4.00 scale), and are recommended by their high school principal or superintendent and counselor, may enroll at the University preceding high school graduation. Applicants who qualify for early admission and are under 18 years of age must present in writing parent's or guardian's permission to register.

Qualifying high school students may take advantage of this program in the following ways:

1. Enroll in the summer session immediately following the junior year, then return to high school for the completion of the senior year;
2. Enroll in a limited number of college level courses while completing the senior year of high school. College credits earned under the early admissions status may apply toward a degree at the University. Hours earned in early admission may or may not be transferable.
3. Students will be classed as special students until completion of high school.

Public School and University Concurrent Enrollment

In accordance with Act 1097 (Geniuses Eligible for College Credit) of 1991, 78th General Assembly for the State of Arkansas, the University has

adopted the prescribed criteria for admission. Public school students who meet the prescribed outlined criteria, as adopted by the Arkansas Department of Higher Education, are recommended by their school principal or superintendent and counselor, may enroll in university courses while in high school when combined enrollments do not exceed a normal load. Each student must meet the criteria stated below:

- A. Score 19 or above on the ACT, or the equivalent on the SAT in the subject area of the course(s); or a composite of 19 on the ACT or the equivalent on the SAT for other courses.
- B. High school GPA of 3.50 (on a 4.00 scale) in the subject(s) in which the student plans to enroll. For ninth grade students, courses in the previous two school years shall be included;
- C. Courses will be limited to the State's minimum core, and the institution's General Education Requirements.

To be considered for either the early admissions or concurrent enrollment programs, a student must submit an application for admission, a transcript, and letters of recommendation from the school principal or superintendent and counselor verifying that the student meets all prescribed criteria. The University reserves the right to determine whether the applicant meets the University's admissions criteria.

New Student Orientation (University College)

The University requires all freshmen and new students planning to enroll at the beginning of the academic year to be present at one of the Freshman Orientation Programs, held prior to fall registration (see University Calendar). The purpose of the Orientation Program is to familiarize new students with the University environment and to assist in their adjusting to it.

Transfer Students

Students from other colleges or universities may transfer to the University and pursue a regular, full time program by meeting the following entrance requirements:

1. Transfer applicants with more than 30 semester hours and with a 2.0 current GPA or better must submit an application and an official transcript from all institutions previously attended.
2. Transfer applicants with less than 30 semester hours of college credit must submit an application, ACT or SAT scores, and the high school and all college transcripts.
3. Immunization record required with proof of two dated MMR vaccinations.
4. Transfer applicants with less than a 2.0 average from colleges or universities may be admitted to the University on academic probation with the approval of the Admissions Appeals Committee. They must also submit an application, ACT or SAT scores, and all college transcripts. Transfer students asked to withdraw from other institutions for academic reasons will not be allowed to enroll at the University until they are eligible for re-enrollment at the institution previously attended, except with the approval of the Admissions Appeals Committee.
5. Students from other colleges and universities who desire to attend the University during the summer only may be admitted by submitting an

application for admission and a statement of good standing or current transcript from the institution where they are regularly enrolled. To qualify as a degree candidate, the student must fulfill all admissions requirements.

Transient and Special Student Status

The University defines a transient or special student as one who wishes to take courses for credit but does not intend to pursue a degree. The University can admit the student in two ways: having completed high school or holding a GED certificate. Initial admission under this status does not require taking the ACT. If the student wishes to accumulate more than 21 credits as a transient or special student or wishes to convert to a regular student before accumulating 21 credits, then the student must submit the ACT score.

In addition, in order to convert to regular student status, a special student must satisfy *all entrance requirements* for a freshman or a transfer student. Student participation in concurrent high school and early enrollment programs are considered special until completion of high school graduation.

International Students

The University will consider citizens of foreign countries for admission if they submit simultaneously an application ninety (90) days prior to the date applicants desire to enter and the following documents:

1. Certified official copies of all the students' academic records, with English translation of these documents;
2. Test scores made on the Test of English as a Foreign Language (TOEFL or equivalent tests): A TOEFL minimum score of 525 is required for admission;
3. Certified documents (i.e., Affidavits of Support, Financial Statement(s) from bank(s) or other financial institution(s), Personal Bank Statement, and HLS Form I-134 providing evidence of financial capability); and
4. Immunization Records (i.e., TB test screening, MMR shot records) must be submitted.

The University takes no action on an application from a foreign student until the applicant meets all of the above requirements and has met with the University Principal Designated School Official (PDSO). This school is authorized under federal law to enroll nonimmigrant alien students. This school is authorized under federal law to enroll nonimmigrant alien students.

Admissions and Classification Tests

The University requires freshmen to take the American College Test (ACT) prior to enrollment and to have the Student Profile Report on file with the Office of Admissions. The test is administered several times during the year at specified places throughout Arkansas and the nation. For students unable to take the ACT during their senior year in high school, the University will administer the test prior to the registration period. Students are advised, however, to take this test during their junior and senior years in high school.

Communication concerning admission should be addressed to the Office of Admissions, University of Arkansas at Pine Bluff, Mail Slot 4892, Pine Bluff, AR 71601.

Prospective students should send applications and transcripts so that the documents reach the Admissions Office at least one month prior to registration for the semester in which the student expects to enroll. Otherwise, the applicant may be unable to register for the term desired. An official of the student's last institution attended, i.e., counselor, principal, registrar, etc., should submit official transcripts by mail or electronically through eScript-SAFE or Speede to the Office of Admissions. The student must make the request for the transcript.

Admissions Policy

The University of Arkansas at Pine Bluff is committed to ensuring that each student has an opportunity to be academically successful, develop personally and professionally, and graduate prepared for a career or professional/ graduate school admission.

UAPB admits applicants using requirements in three categories that assist students with their ability to benefit from and be successful with the college experience.

Unconditional Admission

An entering freshman (first-time full or part-time) is admitted unconditionally if he/she:

1. Has completed the college prep curriculum with a minimum cumulative grade point average of 2.00 on a 4.00 grading scale; and
2. Has taken the required test, ACT or SAT, and earned a composite score of 19 or above on ACT or SAT score of 1350 or above.

Conditional Admission

Entering freshmen not meeting the above criteria are admitted to the University conditionally. This includes students receiving a GED or graduating from a home schooling program after May 1, 1997.

Specific criteria for admission include the following:

1. ACT composite score of 15-18; and
2. High school GPA of 2.00 or above.

Students admitted on condition are required to register with the Student Success Center and complete an Individualized Student Success Plan which requires them to: (a) Attend student success workshops and Freshman Orientation, (b) Work with a faculty/staff mentor or advisor, (c) Attend tutoring sessions in developmental math, English, and/or reading, and (d) Complete all remedial or developmental courses during first 30 semester hours.

All applicants must submit the following:

1. Completed online Application for Admission (www.uapb.edu)
2. ACT or SAT Scores (UAPB Federal School Code: 001086)
3. Official final high school transcript or GED Certificate
4. Current Immunization Record

Procedure:

1. The Office of Admissions will notify applicants of their admission status to the University.

2. Students who do not have a score of 19 or better on the ACT sub tests of reading, math and/or English will be assigned to developmental courses as necessary.
 3. Basic Academic Services will evaluate transcripts of students to determine if they have successfully completed a minimum of twelve (12) core credit hours and necessary developmental courses with a cumulative grade point average of 2.00 or higher prior to completing 30 semester credit hours (sophomore classification).
 4. Students failing to successfully meet these requirements with a cumulative grade point average of 2.00 or higher will be placed on jeopardy or probation or recommended for academic suspension as outlined in the university catalogue.
- national origins; persons with disabilities; Vietnam Veterans; and women). An Affirmative Action Officer has been designated to coordinate efforts to comply with all laws and regulations applicable to qualified handicapped individuals, as required by section 504 of the Rehabilitation Act of 1973.

Student Advisement

The student is urged to review policies and degree requirements each registration period with an academic advisor. Academic advisors endeavor to provide such assistance in a timely and accurate manner, but meeting requirements for graduation is the responsibility of the student. Effective Fall 2014, advisors must authorize the removal of an advisement flag permitting students to register prior to each term.

Academic Credit

The University uses the semester system. One credit hour is equivalent to one fifty-minute lecture each week of a semester or two to three class periods spent in a laboratory or activity. The student receives credit for a class only if officially registered for it. Official registration means that the student has successfully completed all steps in the registration process.

Affirmative Action

The University of Arkansas at Pine Bluff is an equal opportunity/affirmative action institution. Full participation is encouraged for members of under- represented groups (including people of color; different races; religious and

Academic Load

Generally, a student is limited to a maximum of 18 semester hours per semester. A student desiring to take more than 18 semester hours must get written permission from his academic advisor, chairperson, dean and the Vice Chancellor for Academic Affairs. With the proper approvals, sophomores, juniors and seniors with an overall academic average of 3.50 or above may be permitted to take up to 21 hours. Undergraduates must be enrolled for at least 12 semester hours to be considered full-time. Enrollment in six semester hours is considered full time for each summer session. Overload permission is required for students taking more than seven (7) semester hours during summer term.

Audit Credit

An auditor is a student attending class as a non-participant. Auditors are not required to submit papers, take examinations or meet other requirements for credit audited. Auditors pay the regular student fee.

Students registering for "AUDIT" must indicate their intent during the registration period. Audit flags are entered by the registration input operator. The symbol and grade used for a course being audited is "X". Auditors pay the regular student tuition and fees. An audit

status cannot be changed after the close of registration without approval from the Vice Chancellor for Academic Affairs.

Bachelor's Degrees

Although the total number of semester hours required for graduation varies with departmental and school curricula, the minimum requirements for graduation are 120 semester hours (excluding developmental courses), completion of general education requirements, a grade of "C" or better in each major course and a minimum cumulative grade point average of 2.00.

Before graduating from the University, each undergraduate student must satisfy the English Proficiency requirement in one of three ways: the Common Exam administered in English Composition I (ENGL*1311); the English Proficiency Exam; or completion of the English Seminar course (ENGL*3302) with a minimum grade of C. The Common Exam is only applicable to students taking ENGL*1311 at UAPB, Fall 2000 and beyond.

Prior to graduation, all students must officially exit University College and satisfy the comprehensive examination requirement in their major field of study.

Second Degrees

A *second degree* meets the requirements of a double degree, except that requirements for the second major are completed in a subsequent semester following the conferral of the first degree. A *second degree* is earned when:

1. The student, on readmission to the university following the first degree, completes *the remaining* discipline-specific credit hours that lead to the completion of the degree, with no mandatory minimum credit hours required.
2. The student may be required to take additional General Education or Institutional courses contingent on program specific requirements.
3. The second major must have a different AHECB degree code. An option, or track, within the same degree code does not constitute another major or double major. For example, *BS Business Administration: Management and BS Business Administration: Finance*, are options within the same degree program. Also, *BA Social Sciences: History and BA Social Sciences: Sociology*, are options within the same degree program.

Classification

Students are classified according to the number of semester hours successfully completed.

Freshman	1-29 hours
Sophomore.....	30-59 hours
Junior.....	60-89 hours
Senior.....	90 and above hours

Concurrent Registration

A student who wishes to enroll in courses offered by another institution at the same time he is enrolled at the University must get permission to do so from the dean of his school. In no case will the University permit a student to enroll in more than the normal number of credits allowed per term by the University.

Course Numbers

Freshman courses are indicated by the numbers 1000-1999; sophomore courses: 2000-2999; junior courses: 3000-3999; senior courses: 4000-4999; graduate courses: 5000-5999.

Credit Hours — Non-Traditional Options

The University in consultation with the departmental chair will award credit up to a maximum of 30 semester hours for non-traditional learning programs.

The sources of non-traditional credits are (1) College Level Examination Program (CLEP); (2) Defense Activity for Non-Traditional Educational Support (DANTES); (3) Military Credit; (4) Correspondence Credit; (5) Advanced Placement Test; (6) Service Members Opportunity College (SOC).

Credit by College Level Examination Program (CLEP)

The College Level Examination Program (CLEP) consists of general examinations and subject examinations. There are five general examinations: English composition with Essay, Humanities, Mathematics, Natural Sciences and Social Sciences/History. If a student is approved to CLEP and achieves the minimum test score as recommended by the American Council on Education (ACE) on the CLEP in mathematics, humanities, natural sciences and social sciences/history, the University will grant the recommended credit in each of these general areas: humanities, natural science and social sciences/history; and three hours credit in mathematics. Students must score a minimum of 50 for acceptance of CLEP credits with exceptions as noted by ACE.

The University does not accept CLEP credit for English Composition I, English Composition II or Advanced Composition. Students may use CLEP credits to fulfill course requirements in the general education curriculum and elective categories.

As of Fall 2004, CLEP credits will not be counted as a part of a student's academic load for a particular term. Correspondence and Distance Education courses are included in an academic load and need prior approval consistent with the policy on concurrent enrollment and overloads.

Other information and testing sites are available in Academic Records.

Degrees Conferred

The University confers the degrees of Bachelor of Arts (BA), Bachelor of Science (BS), Master of Arts in Technology (MAT), Master of Education (MEd), Master of Science (MS), and Doctor of Philosophy (PhD). Students should file a formal application for graduation in the Academic Records Office and pay the graduation fee at the cashier's office.

Double Major and Double Degree

If a student completes one set of general education and university requirements *in addition to* two complete sets of primary discipline-specific requirements each of which can lead to a different bachelor's degree, the student will earn one of the following degrees: one bachelor's degree with two majors (*double major*) or two separate bachelor's degrees (*double degree* or *second degree*). Which of these is awarded depends on the following conditions: the degree name (BA vs. BS); the school(s) within which the degrees were completed (within the same school or different schools); program degree codes/disciplines; and whether or not the requirements for the two majors are completed in the same semester of the conference of the degree(s).

Double Major

A *double major* is earned when:

1. The student completes two sets of primary discipline-specific requirements that lead to the same degree name, *BS* or *BA*, within the same school. The degree programs must have different degree

codes. For example, a *BS in Computer Science* and a *BS in Biology* or a *BA in Criminal Justice* and a *BA in Social Science*.

2. Requirements for both majors are completed within the same semester in which the degree is conferred.

Double Degree

A *double degree* is earned when:

1. The student completes two sets of primary discipline-specific requirements that lead to differently-named degrees, *BA* and *BS*. For example, a student completes a *BA in Criminal Justice* and a *BS in Psychology*.
2. The degree programs are in *different schools*. For example, a *BS in Biology* and a *BS in Human Sciences*.
3. Requirements for both programs are completed within the same semester in which the degrees are conferred.

Grade Point Averages

1. Term: To compute term grade point averages, divide the total points by the total credits attempted. Credits completed mean the total credits earned and failed. Do not include "W" grades.
2. Cumulative: To compute the cumulative grade point average, divide the total points by the total credits attempted.
3. For the purposes of ranking, and to determine the student's cumulative grade point average, the University computes all transfer credits as pass or fail.

Grading System

Grade	Points Per Hour	
A (90-100)	Excellent	4
B (80-89)	Good	3
C (70-79)	Fair	2
D (60-69)	Poor (but passing)	1
I	Incomplete	
W	Withdrawal	
F	Failure	
UF	Unofficial Withdrawal -- --Failure	
AUD	Audit (carries no credit)	
R	Repeat (carries no credit)	

A student enrolled in Developmental Education Courses shall be eligible to earn grades of A, B, C, D or F. Students who receive "D" or "F" in developmental education courses shall be required to repeat these courses. The hours and credits earned in developmental courses shall be included in the computation of the semester grade point average. However, the hours and quality points for developmental courses shall not be applicable toward meeting requirements for a degree from the University of Arkansas at Pine Bluff.

Grade Changes

All grades, once reported, remain a matter of permanent record and cannot be changed, except in the case of a clerical error. Any appeal or question concerning an assigned grade must be made in writing within one semester after the grade is awarded.

Grade changes must be approved by the department chairperson and the academic dean under whose jurisdiction the course was taught. Faculty (no forms are given to students) may obtain forms for securing approval of grade changes from Academic Records/Registrar's Office.

Schedule Changes (Dropping and Adding)

Students may add, drop, or change course sections by following the official procedure, which requires that they obtain and return the necessary forms to their academic department or the Registrar's Office for processing during registration periods. Students desiring to enroll in a closed course must obtain the approval of their Chairperson or academic advisor, the Instructor of the course, and the Chairperson of the department offering the course. A closed course petition card should be used to process this request and can only be entered by the Registrar's Office. Schedule changes may be made via Web-Advisor anytime during the registration period.

After the close of registration, only drops are permissible (within the established term deadline dates as outlined in the academic calendar) and cannot be done via Web-Advisor. An official drop slip must be completed and signed by the Instructor and the Departmental Chairperson or Academic Advisor. For students enrolled in on-line courses only, instructions for dropping courses are on the University's website. Courses dropped after the close of registration must be processed

by the Registrar's Office and will be recorded as "W" on an academic transcript. Failure to complete this procedure may result in a grade of "F" or "UF" being entered on the student's transcript.

Class Attendance

The following statements apply to each student enrolled at UAPB.

1. Attendance is the responsibility of the student. Students are expected to regularly attend all classes in which they are enrolled.
2. Instructors will provide each student with the attendance expectation in writing, either in the course syllabus or in a separate handout, and verbally explain them to students the first day of class.
3. The student is responsible for informing instructors in advance when an absence will occur. If this is not possible, it is the responsibility of the student to contact the instructor as soon as possible.

4. For school-sanctioned events such as field trips, band, choir, athletics and similar events, the coordinator of the event should send a letter to the Vice Chancellor of Academic Affairs seeking approval for the respective students to be absent from classes for the event. The letter should identify the type of event for which excused absences are being requested and include a listing of all student participants. Following approval, the list and the letter of request with the Vice Chancellor's approval should be presented by all student participants to their respective instructors. The Coordinator of the event will submit a copy of the approved letter and the list of student participants to the Dean of Students' Office where it will be kept on record.
5. The Dean of Students will notify instructors when a student is absent three days or longer due to an illness or other issue. This courtesy memo does not alter the instructor's attendance policies, excuse the student from policy #3 above, nor does it constitute an excused absence. Rather, it is documentation of the absence.
6. Class participation may be used, at the instructor's discretion, as a factor in determining a student's final grade for the course.

Census Period

Students who do not attend class at least one time during the first 11 days of the fall and spring semesters, or the first 5 days of a summer session, will be administratively dropped from the course for non-attendance.

Withdrawal from the University

Students, who complete the registration process and decide to voluntarily withdraw from the University, must complete the following steps prior to exiting the University within seven days prior to final examinations:

1. Secure official withdrawal forms from the Office of Enrollment Management.

2. Obtain signature from their academic advisor or chairperson.
3. Obtain signature from the Office of Student Financial Services.
4. Obtain signature from Vice Chancellor for Academic Affairs.
5. Return official withdrawal forms to the Office of Academic Records.

NOTE: International students must also secure clearance from the UAPB Designated School Official after signature from Student Financial Services.
6. Students enrolled in online courses only or those away from campus must submit a letter requesting withdrawal from the University. The specific instructions are on the University's website. The withdrawal notification must be submitted to the Office of Academic Records by letter or by fax.
7. Students, who fail to withdraw officially and receive failing grades (UF/F) in all courses, may jeopardize their future eligibility to receive financial aid. Students will be charged fees and tuition in accordance with the fee schedule in effect at the time of withdrawal.
8. It is advisable that students receiving financial assistance check with Student Financial Services prior to dropping below full-time status or withdrawing from the University. Again, failure to do so may jeopardize eligibility for future financial aid.

Transcript Requests

Students may request their transcript in one of three ways:

Electronically: For convenience, students may request transcripts on-line (www.uapb.edu) and pay with a credit card or debit card. Look for the 'transcript request' link on the homepage and follow the instructions. The fee is \$6.25 per copy.

Written Request: Students must submit a written request containing their social security number OR UAPB ID#; date of birth; year of graduation OR last term of attendance; any former names used; and the address of the recipient. The fee is \$4.00 per copy. Requests should be mailed to Academic Records, Mail Slot 4983, 1200 North University Drive, Pine Bluff, AR 71601. Make all personal checks, money orders and cashier's checks payable to the University of Arkansas at Pine Bluff.

In Person: Students may request a transcript in person between 8:30 a.m. and 4:00 p.m. by visiting Academic Records, Administration Building – Room 220. The fee is \$4.00 per copy. The processing fee for emergency (same day) transcripts is \$8.00 per copy. Photo bearing identification is required for a student requesting a transcript in person.

Please allow up to 2 or 3 business days for processing. During peak periods in the office, the processing time may be longer. Transcripts will not be issued without the written or electronic consent of the student. Transcripts are not processed for students with delinquent accounts or University holds.

Disputed Grades

A student's grade should represent the instructor's good faith judgment of the student's performance in the course based on the informed use of appropriate measurement and evaluation instruments. If a student disagrees with a grade he/she has received, the following procedure should be followed until the problem is resolved.

These steps must be followed in order and appropriate documentation of each step (including notation of the date, time, location, length, content and final outcome of the discussion) must be provided in order to proceed to the next step.

1. The student should discuss the disputed grade with the instructor of the course. This should normally take place during the instructor's posted office hours.
2. If the dispute is not resolved in step one, the student should request a meeting with the chairperson of the department offering the course. The instructor of the course will also attend the meeting.

3. If the dispute is not resolved in step two, the student should request a meeting with the dean of the school offering the course. The instructor of the course and the instructor's chairperson will also be present.
 4. If the dispute is not resolved in step three, the student should request a meeting with the Vice Chancellor for Academic Affairs. The instructor of the course, the instructor's chairperson, and the dean of the school offering the course will also be present. The decision of the Vice Chancellor for Academic Affairs is final and no further appeal is possible.
- following procedure should be followed until the problem is resolved. These steps must be followed in order and appropriate documentation of each step (including notation of the date, time, location, length, content and final outcome of the discussion) must be provided in order to proceed to the next step.
1. The student should make the grievance known to his/her Instructor.
 2. If the grievance is not resolved in step one, the student should request a meeting with the chairperson of the department offering the course. The instructor will not be present at this meeting, but a follow up meeting will be scheduled with the instructor and the chairperson.
 3. If the grievance is not resolved in step two, the student should request a meeting with the dean of the school offering the course. The chairperson and instructor of the course will also be present at this meeting.

Other Academic Grievances

A student may have a grievance against an instructor which goes beyond a dispute over the grades received in a course. Such grievances might involve allegations that the instructor is harassing students, practicing extortion, not meeting his/her classes or is generally incompetent. For such non-grade oriented grievances, the

4. If the grievance is not resolved in step three, the student should request a meeting with the Vice Chancellor for Academic Affairs. The dean of the school offering the course will also be present at this meeting. The dean of the school offering the course will schedule a follow up meeting with the instructor, the instructor's chairperson, and the Vice Chancellor for Academic Affairs.

5. If the grievance is not resolved in step four, the student should request a meeting with the Vice Chancellor for Academic Affairs. The Vice Chancellor for Academic Affairs will schedule a follow up meeting with the instructor, the instructor's chairperson, and the instructor's dean. The Vice Chancellor for Academic Affairs will also attend.

Honors Graduation

Honors recognition provides lasting evidence of the high standard that the individual has achieved. Honors are represented by trophies, certificates, written mention in the program of the honors assembly and in many ways that give tangible, non-monetary recognition to the recipients.

Students receiving bachelor degrees with high scholastic averages may graduate with the following citations:

HIGHEST HONOR (Summa Cum Laude)	3.75-4.00
HIGH HONOR (Magna Cum Laude)	3.50-3.74
HONORS (Cum Laude)	3.25-3.49

The University uses the student's total academic record in computing the grade point average for honors and ranking. This also includes post-baccalaureate credits for students seeking second degrees.

Other Academic Honors

The minimum grade point average for honors is 3.25.

Chancellor's List	4.00
Dean's List	3.50-3.99
Honor Roll	3.25-3.49

Policy on Developmental Education Course Grades and Calculation of G.P.A

Effective the Fall Semester, 1996, "Developmental course grades are not included in the calculation of G.P.A. for the Chancellor's List, Dean's List or Honor Roll. Any student making a grade of "D", "F", or "I" is not included on the Chancellor's List, Dean's List, or Honor Roll." A grade of "D" in a major course is not accepted in meeting degree requirements.

Honors are not recognized for non-degree seeking or special students.

Incomplete Grade ("I")

1. Incomplete grades indicate that the student has not met specific requirements in a course and not that the student needs to repeat the entire course.
2. The instructor will report an "I" only for a student who is passing, who can complete the assignments without additional instruction, and who can present a valid reason for not completing the work during the semester.
3. The student must petition the instructor, in writing, for an incomplete grade, "I", on or before the day of the final examination. **The student must fulfill necessary requirements of the course by the end of the semester immediately following the semester in which the "I" was incurred.**

NOTE: A student **SHOULD NOT** re-register for a course in which a grade of "I" was earned.

Academic Jeopardy, Suspension, and Readmission

To remain in good academic standing, students must maintain a 2.00 cumulative grade point average. Students are in **academic jeopardy** when their cumulative grade point average falls below 2.00, **but above** the average commensurate with the 'hours attempted range' as specified in **Table 1**.

Hours Attempted	Cumulative GPA
0 – 16	1.50
17 – 32	1.65
33 – 48	1.75
49 – 64	1.83
65 – 80	1.90
81 – 96	1.96
97 and above	2.00

The University places students on **academic probation** when their cumulative grade point average falls **below** the average commensurate with the 'hours attempted range' as specified in **Table 2**. The course load for students on academic probation may not exceed 13 credit hours.

The University places students on **academic suspension** when their cumulative grade point average falls below the average commensurate with the 'hours attempted range' as specified in **Table 2 for two consecutive semesters**. The period of academic suspension is one semester. Students are not eligible to transfer credits taken during a Fall or Spring term at another institution back to UAPB while on academic suspension.

Hours Attempted	Cumulative GPA	Maximum Hours
0 – 16	1.50 – 2.00	13.00
17 – 32	1.60 – 2.00	13.00
33 – 48	1.70 – 2.00	13.00
49 – 64	1.80 – 2.00	13.00
65 – 80	1.90 – 2.00	13.00
81 – 96	1.90 – 2.00	13.00
97 and above	2.00	13.00

Students placed on **academic probation** for the prior term (regardless of the **recalculated GPA** illustrated on the transcript due to **repeated courses not passed**), that earned less than a **term GPA of 1.50** in the subsequent term will be placed on academic suspension.

Students appealing academic suspension must meet with the Student Academic Appeals Committee for review and reconsideration of enrollment. Students placed on academic suspension are informed of appeal dates and location prior to registration. If denied by the committee, students may petition to the Vice Chancellor for Academic Affairs for final disposition. Students, who have finished their first period of academic suspension, will be required to report to the Student Success Center prior to registering. These students will be on academic probation and limited to a maximum academic load of 13 credit hours.

Students must earn a minimum **term GPA of 2.00** during the readmitted semester. If the minimum term GPA is not achieved, they are subject to a second academic suspension for one year.

Academic Clemency

In accordance with Act 1000 of 1991, 78th General Assembly for the State of Arkansas, the University of Arkansas at Pine Bluff has adopted a policy on Academic Clemency. Academic Clemency provides a second chance for students who performed poorly in their early academic careers and who wish

to return to college after having gained an appreciation for higher education. In order to qualify for Academic Clemency a student must meet and accept the conditions outlined by the University. Details are available from the Office of Academic Records/Registrar.

Re-admission

Students who have finished their first period of academic suspension are required to appear before the Appeals Committee prior to registering. These students will be on academic probation and limited to a maximum of 13 credit hours. Students must make a minimum term GPA of 2.00 during the readmitted semester. If the minimum GPA is not achieved, they are subject to a second suspension for one year.

Late Registration

The limit of the late registration period is one week following regular registration and two days after regular summer registration. In addition to paying a late registration fee, a student entering late might be required to carry a reduced class load. Late registration does not excuse a student from assignments given prior to registration.

Major and Minor

A student must earn a minimum of thirty (30) semester hours in upper level courses to major in any field; for an offered minor, eighteen (18) hours; science minors require twenty-four (24) hours. These requirements do not include General Education courses. The minimum requirement for a baccalaureate degree is one hundred twenty (120) hours.

Unless otherwise specified, this policy does not require a student to have a major and a minor, a combined major minor, or a double major. A double major may be recorded on the student's permanent record, but only one diploma is issued and one degree conferred. At the time of making application for the degree, the student must decide the designated major.

Repeating Courses

When a student repeats a course, the highest grade earned in the course will be used when computing the student's average. A student can only repeat a course in which the final grade is "D" or less. The student must file a "Repeat Card" with the Academic Records Office in order to receive proper credit for a course taken PRIOR to the FALL SEMESTER, 1993. Courses

taken and repeated after 1993 do not require repeat cards.

NOTE: A student **MUST** re-register for the exact course to earn repeat credit. Courses used as substitutions (i.e. Special Projects, Special Problems, Independent Study, or other valid substitutions) may satisfy course requirements, but are not commensurate with course repeat or grade forgiveness credit.

Residence Requirements

For the granting of any degree the minimum residence requirement is one academic year (30 hours) or its equivalent. The last 30 hours must be taken on the University of Arkansas Pine Bluff campus.

Schedule Change

1. A student wishing to make a schedule change must get approval from the academic advisor and the departmental chairperson.
2. A student dropping a course must secure approval from the instructor, department chairperson and the academic advisor.
3. A student may withdraw from one or more courses without academic penalty in accordance to the Academic Calendar and receive a grade of "W."



General Education Core

UAPB has established institutional and core general education requirements to prepare students who are equipped to excel through their contributions and leadership in a 21st century national and global community.

It is through entry-level courses that students acquire skills to succeed in upper-level courses and to participate in a globally integrated society. In these core courses, students develop the tools for critical thinking, effective communication, quantitative literacy, success in college and career, and a healthy lifestyle. Students also develop an appreciation of the cultural, scientific, and historical foundations of our diverse human heritage.

The goal of the general education requirement is to prepare students for lifelong learning in a rapidly changing world.

General Education and Institutional Requirements

TEACHING MAJORS	Credit Hours	Total Credit Hours
COMMUNICATION		12
English Comp. 1311, 1321	6	
Literature 2300, 2360 or 2361	3	
Oral Communication 2390	3	
NATURAL SCIENCE & MATHEMATICS		11
Biological Science Lecture 1350 (or above)	3	
Biological Science Laboratory 1150	1	
**Physical Science 1411 (or above)	4	
College Algebra 1330 (or above)	3	
HUMANITIES (Any two courses)		6
Art History & Appreciation 2340	3	
Music History & Appreciation 2330	3	
Humanities 2301 or 2340	3	
HUMN 2340 Effective Thinking/Logic	3	
THTR 2324 Theatre Appreciation	3	
SOCIAL SCIENCE		12
U. S. History 2315 or 2318	3	
American Government 2312	3	
Social Science Electives	6	
HEALTH & PHYSICAL EDUCATION		6
***Physical Education 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1123 (<i>Elect One</i>)	1	
Personal Health & Safety 1310	3	
Health Education 3224 or	2	
Safety Education 3225		
INSTITUTIONAL REQUIREMENTS		3
Personal & Social Development 1210	2	
Career & Life Planning 1120	1	
***MILITARY SCIENCE (optional)		
Military Science 1210, 1220		
<p>**As an option, students may enroll in Astronomy 1445</p> <p>***As an option 1 hour of Military Science may satisfy 1 hour of Physical Education only</p> <p>****Students with ACT scores of 30 or above may enroll in Calculus I</p> <p>19-30 must enroll in Pre-Calculus- MATH 1550 if Calculus I is a degree requirement.</p>		

General Education/Institutional Requirements (continued)

The general education requirements for non-teaching majors are the same as those for teaching majors, with the following exceptions:

NON-TEACHING MAJORS	Credit Hours	Total Credit Hours
PHYSICAL EDUCATION		4
Physical Education 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1118, 1119, 1120, 1123 (<i>Elect one</i>)	1	
Personal Health & Safety 1310 or	3	
HUSC 1311 Nutrition & Wellness	3	
SOCIAL SCIENCE REQUIREMENTS		9
U.S. History or American Government	3	
Social Science Electives	6	
ASSOCIATE DEGREE CANDIDATES		
Students receiving the associate degree must complete the following general education requirements		
English 1311, 1321	6	
Oral Communication 2390	3	
U. S. History or American Government	3	
Health & Physical Education	2 or 3	
College Algebra 1330 (or) Quantitative Literacy 1360	3	
Biological Science 1450 and Physical Science 1411 or Introduction to Astronomy 1445	4	

NOTE: A course taken as a general education requirement shall not be counted for credit as a major or minor course. Developmental courses are not college level courses and do not count as major or elective courses.

1. The University of Arkansas at Pine Bluff is committed to assessment of student learning outcomes to support continuous improvement of its effectiveness. UAPB assesses at transition points (entry, mid-level, exit) to support longitudinal analyses of learning. The Collegiate Assessment of Academic Proficiency (CAAP) is the mid-level assessment instrument. Students who have completed no fewer than 45 and no more

than 60 college level credits (excluding remedial courses) are required to take the CAAP exam, also referred to as the Rising Junior Examination. Students will be notified of testing dates and times as they become eligible. Students who fail to take the test upon being notified of their eligibility may not register for further courses until they have taken the test. The CAAP examination covers reading, English, mathematics, social and natural sciences, and humanities or literature.

2. Students exhibiting accelerated achievement levels in specific areas may test out through the College Level Entrance Program (see Office of Counseling and Testing) or substitute more advanced courses commensurate with their level of achievement (see Basic Academic Services for an assessment of level of achievement).
3. All students, excluding those transferring in courses equivalent to all UAPB general education requirements, must formally exit University College. To exit University College, a student must do the following:
 - Complete all general education requirements and
 - Take the Collegiate Assessment of Academic Proficiency (CAAP) Rising Junior Examination or the University College Exit Examination.

Required Tests

The assessment process is the University's way of holding itself accountable for student learning and development. Outcome-based assessments of student learning are conducted across curricular and co-curricular units. Each semester, the University conducts rubric-based assessments of key assignments. The artifacts submitted by students are archived in our assessment management system. The artifacts and assessment scores serve as evidence of student learning. Assessment data are evaluated and used to support decisions regarding program planning, funding, and resource allocation.

At the University of Arkansas at Pine Bluff, degree-seeking students are required to take the following standardized and criterion-referenced tests.

1. **The English Proficiency Examination** - required of all students except those who have passed the writing portion of the Common Core. Beginning with the fall 2000 semester, students who complete English Composition I (ENGL 1311) at UAPB and earned a grade of “C” or higher will have satisfied the English Proficiency requirement. Students who complete the course at a different college/university or took the course at UAPB prior to Fall 2000, are required to take and successfully pass the English Proficiency Examination.
2. **Collegiate Assessment of Academic Proficiency Test (CAAP)** – also referred to as the Rising Junior Examination, a test administered to all students who have completed between 45 and 60 college-level credits (non-remedial courses).
3. **The University College Exit Examination** – required of all students with more than 60 college level-credits who did not take the CAAP.
4. **Standardized or Criterion-Referenced Examinations** – required by specific disciplines (e.g., Common Core, etc.). Check with advisor or departmental chairperson.
5. **Senior Comprehensive Examination or Senior Project** – required of ALL students. The examination covers subject matter in the discipline in which the student majors. It is to be taken the semester the student expects to graduate.

Fees and Financial Aid

Student fees and charges are established by the Board of Trustees of the University of Arkansas System. The University reserves the right to change tuition, room and board, and fees without prior notification.

Estimate of Expenses

The University expects the students to pay tuition, room and board, and other fees at the time of registration. The following table represents estimated costs:

Undergraduate Enrollment			
General Registration	1st Semester	2nd Semester	
In-State Tuition	\$151.00	\$151.00	Per Credit Hour
Out-of-State Tuition	340.00	340.00	Per Credit Hour
Residence Hall Fees			
Residence Hall (Double Occupancy)	1st Semester	2nd Semester	Yearly
Johnny B. Johnson	2100.00	2100.00	4200.00
Harrold Living and Learning Center	2000.00	2000.00	4000.00
Delta Complex	2300.00	2300.00	4600.00
All Other Residence Halls	1700.00	1700.00	3400.00
Residence Hall (Single Occupancy)	1st Semester	2nd Semester	Yearly
Johnny B. Johnson	3000.00	3000.00	6000.00
Harrold Living and Learning Center	2700.00	2700.00	5400.00
Delta Complex	3100.00	3100.00	6200.00
All Other Residence Halls	2600.00	2600.00	5200.00
Note: In times when residence hall assignments exceed capacity, alternate locations and rates may apply.			
Residence Hall Fees (Triple Occupancy)			
Residence Hall	1st Semester	2nd Semester	Yearly
Johnny B. Johnson	1475.00	1475.00	2950.00
Harrold Living and Learning Center	1400.00	1400.00	2800.00
Delta Complex	1500.00	1500.00	3000.00
All Other Residence Halls	1300.00	1300.00	2600.00
Board Rates (Regular Semester)			
20-Meal Plan	1600.00	1600.00	3200.00
10-Meal Plan/\$150 declining balance	1600.00	1600.00	3200.00
15-Meal Plan/\$75 declining balance	1600.00	1600.00	3200.00
Commuter Meal Rates			
Block-100	517.00	517.00	1034.00
Block-75	396.00	396.00	792.00
Block-50	270.00	270.00	540.00
Block-25	138.50	138.50	277.00

Miscellaneous Fees			
* Matriculation Fee			37.00
**Facility Fee (on campus)			17.00/Credit Hour
**Athletic Fee (on campus)			17.00/Credit Hour
**Transportation Fee (on campus)			1.50/Credit Hour
Technology Fee (on/off campus)			11.50/Credit Hour
Wellness Fee (on/off campus)			1.50/Credit Hour
Assessment Fee (on/off campus)			1.50/Credit Hour
Public Safety (on/off campus)			1.50/Credit Hour
**Student Activity Fees			
Full Time Student	48.00/Semester	Part Time Student	25.00/Semester
Health Service Fee			50.00/Semester
All Laboratory Materials			35.00/Each Lab
Applied Music Courses			75.00/Per Course
Nursing Test Fee			178.50/Semester Jr. & Sr. Years
Change in Schedule			15.00 Per Change (adding or dropping a course)
Late Registration			34.50/Semester
Room Key Replacement			100.00/Per Occurrence
Mail Box Key			25.00
Student Teaching Fee			54.50/Semester
Student ID Replacement			15.00
Transcript Fee (First one free)			4.00
Same Day Transcript			8.00
Graduation Fee (Undergraduates)			45.00
Graduation Fee (Graduates)			55.00
Vehicle Registration			See University Police
Graduate Students			
In-State Tuition			190.00/Credit Hour
Out-of-State Tuition			428.00/Credit Hour
***Application Fee			37.00
North Little Rock Site (Undergraduates)			
In-State Tuition			190.00/Credit Hour
Out-of-State			380.00/Credit Hour
Distance Learning Courses			
Undergraduate In-State			172.00/Credit Hour
Undergraduate Out-of-State			400.00/Credit Hour
Graduate In-State Part-time			190.00/Credit Hour
Graduate Out-of-State Part-time			443.00/Credit Hour
Family Financial Planning On-Line Courses (Undergraduate and Graduate)			
All Courses			200.00/Credit Hour
*First Time Undergraduate Students Only **Pine Bluff Campus Only ***First Time Graduate Students Only			

NOTE: Fees are subject to change. Verify current Tuition & Fees via Board Policy by contacting Admissions, Student Financial Services or visiting the web at www.uapb.edu.

Refund Policy

Any student who *officially withdraws* from UAPB during a Fall or Spring semester shall be entitled to a refund of Tuition and Fees as follows:

- From the sixth (6th) class day thru the tenth (10th) class day of the semester—50%
- The eleventh (11th) class day of the semester and thereafter--**NO REFUND**

Tuition and Fees*

- 100% adjustment before the first day of class
- 90% adjustment from day 1 thru day 11 of the semester
- 80% adjustment from day 12 thru day 21 of the semester
- 70% adjustment from day 22 thru day 32 of the semester
- 60% adjustment from day 33 thru day 43 of the semester
- 50% adjustment from day 44 thru day 54 of the semester
- 40% adjustment from day 55 thru day 64 of the semester

(*Includes weekends and holidays)

Any student who drops a class and continues to be enrolled at the University of Arkansas at Pine Bluff during a Fall or Spring semester shall be entitled to individual course refunds as follows:

- Up to and including the fifth (5th) class day of the semester—100%

All tuition and fees must be paid by the specified due date each semester. Failure to pay in a timely manner can result in a student's inability to register for future terms and may affect current enrollment. Accounts not paid are also subject to placement with an outside collection agency. Collection costs and legal fees associated with the collection of delinquent accounts may be added to any outstanding balance.

Students, who receive federal financial aid, begin classes and then withdraw from all classes before completing 60% of the semester will be subject to return certain Title IV funds to the U.S. Department of Education (see section on Return of Title IV Funds).

TELECHECK is a service currently being used by the Cashier's Office to receive approvals for acceptance of personal checks used for payment of tuition, fees, and other services at the University. In order to receive a check approval, information must include the following:

1. Printed Name and Address
(No P. O. Box)
2. Driver's License or State ID
Number
3. Telephone Number
4. Pre-Date or Current Date (No
Post Date)
5. First Party Check (Payable to
the University)
6. Amount (Figures and words
must agree)
7. Signature of Check Writer
8. Check Number
9. Permanent Check (NO
TEMPORARY)

Checks that do not receive an approval code through Telecheck will be returned to the customer.

Withdrawal

The official withdrawal date will be determined by the Office of Academic Affairs. Refunds will be based on the official withdrawal date, not the date a student stops attending class. The University conforms to Act 310 for the State of Arkansas, which ensures "equitable treatment and refunds when a student withdraws from a state-supported postsecondary educational institution because of

activation for military service during a national crisis; providing free tuition for one semester upon deactivation; and other purposes."

Payment of Fees

Students without aid must make satisfactory financial arrangements and be in good standing in order to receive grades and transcripts, or re-enroll. Payment for charges or satisfactory financial arrangements must be made for each semester no later than the last day for course cancellation adjustments as published in the Academic Calendar each semester unless otherwise indicated. Satisfactory financial arrangements include payment in full via cash, check, credit card (can be made online), financial aid, or enrollment in an installment payment plan with a vendor selected by the University.

The University accepts cashier's checks, money orders, cash, credit cards (Visa, Master Card, Discover, or American Express), and personal checks for payment of fees. Payments made by check or money order should be made payable to UAPB and addressed to the University of Arkansas Pine Bluff, Office of the Controller, Cashier's Office, 1301 L.A. 'Prexy' Davis Dr., Mail Slot 4984, Pine Bluff AR 71601. The University discourages remitting cash payments by mail.

Monthly Payment Option

UAPB offers, through a third party, a plan that allows students to divide their expenses into equal monthly installments. Through the plan, the balance due the University must be fully paid by the end of the semester. There is an enrollment fee per semester to participate in the plan but there is no interest charged to participants. Enrollment information may be obtained from the Student Financial Services Office.

Tuition and Fees *Fall 2015

*In-State Students: Tuition is \$151.00 per credit hour for full-time in-state students. Tuition is a general registration fee that covers the cost of instruction. Out-of-State Students: Students who are not residents of the state of Arkansas will be charged tuition and out-of-state fees of \$340.00 per credit hour.

NOTE: Fees are subject to change. Verify current Tuition & Fees via Board Policy by contacting Admissions, Student Financial Services or visiting the web at www.uapb.edu.

Room and Board

Room and board charges are payable at registration. Room and board charges include room rent

in the dormitory and meals in the University dining hall.

Late Registration Fee

Students who do not complete registration by the last day of regular registration will be charged \$34.50.

Health Fee

Students enrolled for any hours on campus will be assessed a health fee of \$50.00 per semester. The health fee covers basic health-related services provided at the infirmary.

Room Registration Fee

Each student residing in a campus residence hall must pay a \$100.00 fee for first-time residents and a \$25.00 fee for returning residents for room reservation. For first-time residents paying the \$100.00 fee, \$75.00 will be credited back to their accounts. The amount of \$25.00 is an administrative charge for processing the residence application and is non-refundable.

Any student who withdraws from the residence hall after the first day of registration during the contract period will be charged 100% for the room. The student will only receive a refund for the unused portion of board.

Senior Citizens Fee

Any student 60 years or older by the last day of registration may enroll at UAPB free of tuition charges. Students 60 years of age or older must meet admission and academic standards and are subject to probation, suspension and dismissal policies applicable to all other students. Persons aged 60 or over accepted for enrollment without paying registration fees shall not be entitled to any University services or benefits other than classroom instruction. Such persons shall not be entitled to student health services, to reduced rate admissions to athletic or other university events, or to similar services and benefits for which fee-paying students are eligible.

Veterans Fee Requirements

The University of Arkansas at Pine Bluff is approved for veterans' training and encourages service men and women to participate in the educational experience here. The University has an installment payment plan administered by a third party (which requires a small enrollment fee) that allows students to pay over time. Because training allowance checks usually begin thirty to sixty days after registration, this is a good way for veterans registering with VA authorizations

to make payment arrangements to satisfy their educational expenses. Interested veterans should contact the Office of Student Financial Services at (870) 575-8302 for assistance in establishing monthly payment due dates that can be coordinated with the receipt of their monthly VA checks.

Vocational Rehabilitation

Students studying under the Vocational Rehabilitation program must present a statement of authorization when registering. Payment of fees authorized by the Vocational Rehabilitation Case Manager will be deferred until payment is received from the Veterans' Administration. Any fees not paid by the Veterans' Administration will be the responsibility of the student. Refunds will not be issued until funds have been received and a credit balance exists.

Financial Aid

Financial aid consists of scholarships, grants, loans, and employment opportunities that are available to help students pay the cost of attending the university. Most financial aid resources are based on the students' documented financial need and are intended to supplement, not replace, the financial resources of the family.

The primary purpose of financial aid at the University of Arkansas at Pine Bluff is to provide assistance to students who, without aid, would be unable to attend college.

Most federal programs require the student to complete the Free Application for Federal Student Aid (FAFSA). The FAFSA gathers information that is used to determine the financial strength of the student's family and need for assistance.

Application Procedure for Financial Aid

1. Get a FSA ID at www.fsaaid.ed.gov. The FSA ID lets the student apply, "sign" the online FAFSA and make corrections to the application all online. If the student is providing parent information on the FAFSA, one of the parents also must sign the application and do so electronically. The parent must also apply for an FSA ID.
2. Gather the information required to apply, including income tax returns, W-2 forms, and other records of income.
3. Complete the FAFSA online at www.fafsa.ed.gov. Apply as soon as possible on or after January 1st of each year.
4. Review the Student Aid Report (SAR)—the result of the FAFSA application. Once the application is processed the student will receive an email with a link to the SAR. If necessary, make changes or corrections and resubmit the SAR for reprocessing.
5. Return all forms requested by the University of Arkansas at Pine Bluff Office of Student Financial Services. If selected for verification, the student will be required to submit a verification worksheet and a federal income tax return transcript.

Once a student's aid is determined, an award letter will be processed and made available online via the student's WebAdvisor account. The purpose of the award letter is to identify the types of aid individual students are eligible for and to allow the student to accept or reject the aid offered. Awards offered must be accepted or rejected online via WebAdvisor.

To receive priority consideration for financial aid, students must submit all required forms by April 15th. Following is a general summary of the programs available at UAPB.

Federal Pell Grant

The Federal Pell Grant Program is for undergraduate students who have not yet completed a first baccalaureate and who have not already obtained a baccalaureate or professional degree. The amount of the grant is determined by the need analysis formula and is based on the student's cost of attendance, expected family contribution and enrollment status. The amount of the grant varies according to need. For the 2015-16 award year, the maximum Federal Pell Grant is \$5,775.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG grants are intended, as the name implies, to supplement other aid. These grants are federally funded with each school receiving a fixed amount each year. Funds are awarded to a limited number of undergraduate students with preference given to Federal Pell recipients demonstrating exceptional financial need.

Federal Work-Study (FWS)

This program allows students the opportunity to work part-time while attending school. The amount available depends on the students' financial need and availability of funds. The maximum number of

hours a student may work during a period of enrollment is 20 hours per week. Students must complete an I-9 form and W-4 and be authorized by the Office of Student Financial Services.

Federal Loan Programs

Student loans, unlike grants and work-study, are borrowed monies that must be repaid.

Federal William D. Ford Direct Loans: Stafford Loans are for undergraduate and graduate students. Students must be attending school at least half-time to be eligible for a Direct Loan. There are two types of Direct Loans: subsidized and unsubsidized. A subsidized loan is awarded to students who demonstrate financial need and the interest on these loans is paid by the U. S. Department of Education during certain periods. Financial need is not a requirement to obtain an unsubsidized Direct Loan. The amount of the Direct Loan depends on the students' financial need, academic level and dependency status.

Parent Loan for Undergraduate Students (PLUS): PLUS loans enable parents with good credit histories to borrow to pay the expenses of their dependent student. The annual limit is equal to the cost of attendance minus any other aid received.

Disbursement of Funds

All funds awarded are placed directly into the students' accounts at UAPB. Credit(s) applied to a student's account may result in a refund due to the student if the credit(s) exceeds the charges applied to the account. Refunds are processed by the Office of Student Financial Services. Refunds of any federal financial aid for which the student may be eligible are given within 14 days of being credited to the student's account. Refunds are made available weekly on Friday's unless otherwise announced.

Satisfactory Academic Progress

Academic success is important and necessary for students to receive federal Title IV financial aid. At the end of each semester (fall, spring and summer), the students' academic record will be reviewed to verify that they have made satisfactory academic progress toward earning their degrees. Satisfactory academic progress requires students to pass a required number of hours with a minimum cumulative grade point average in a maximum timeframe. The policy applies to all students—continuing, transfer, and re-entry. Students must maintain the following minimum cumulative grade point (GPA) averages:

Minimum Grade Point Average

Undergraduate Students: The minimum GPA requirement is based on the number of attempted hours.

Hours Attempted	1-29	30-59	60 and above
Minimum G.P.A	1.50	1.75	2.00

Pace or Successful Completion of Course Work Attempted

To be considered as progressing successfully, students must complete at least 67% of all attempted credit hours. Successful completion of a course is defined as a passing grade. Grades of "W" (withdrawn), "F" (failed), "UF" (unofficial withdrawal), or "I" (incomplete) are not considered successful completion. Pace is calculated using the following formula:

$$\frac{\text{Cumulative \# of hrs. student successfully completed}}{\text{Cumulative \# of hrs. student attempted}}$$

Maximum Time Frame: The following is the maximum number of hours a student may attempt in completion of his/her degree and remain eligible for federal Title IV financial aid.

Undergraduate Students—180 hours
Graduate Students—45 hours

All coursework attempted, including periods when the student does not receive federal Title IV aid, will be considered in determining the maximum time frame students have to complete a degree and in the calculations of the cumulative grade point average and pace.

--Transfer Hours: All transfer work transcribed by the UAPB Registrar will be counted in determination of the cumulative GPA, in the ratio to determine the successful completion of course work, and in the determination of the maximum time frame.

--Repeated Coursework: If a student repeats a course, the highest grade earned will be used to calculate his/her GPA. All hours attempted, including repeated course, will be used to determine the student's pace and maximum time frame. Only one repeat per course with a passing grade will be eligible for financial aid.

--Academic Clemency: The Office of Student Financial Services must count all prior work attempted in determining eligibility for federal financial aid, including hours forfeited through the Academic Clemency Policy.

--Grade Changes: Once a grade change occurs, it is the responsibility of the student to contact the Office of Student Financial Services if he/she wishes to have eligibility for financial aid recalculated based on the grade change.

Financial Aid Warning

If a student fails to meet satisfactory academic progress standards, the student will be placed on financial aid warning status and be permitted to receive federal financial aid for one additional semester. Students are strongly encouraged to take advantage of all academic services available to improve their academic progress during this semester. If satisfactory progress standards are not met at the end of the warning semester, the student will NOT be eligible to receive federal financial aid for the next semester.

Financial Aid Termination

If a student fails to meet satisfactory academic progress standards after the warning semester, federal financial aid eligibility will be terminated. Students will be responsible for all charges during semesters for which they register for classes and do not receive federal financial aid.

Financial Aid Appeal

Students who have extenuating circumstances may appeal the termination of federal financial aid. Examples of extenuating or mitigating circumstances include illness under a doctor's care, illness or accidents requiring hospitalization or the prolonged illness of a dependent, death of an immediate family member, or other life altering events. The appeal may not be based on the need for assistance or lack of knowledge of the academic requirements. The appeal must be submitted in writing and include why the student failed to meet the standards with an explanation of what has changed that will now allow the standards to be met. Supporting documentation of the extenuating circumstance is required.

The deadline for submitting an appeal is no later than the fifth (5th) day of class of the term for which the appeal is requested. The decision of the Financial Aid Appeal Committee is final; there is no further avenue of appeal. An appeal will either be...

- Probation: The appeal is approved and the student is eligible to receive federal financial aid for one additional semester. The student must meet the satisfactory academic progress standards at the end of the semester or financial aid eligibility will be terminated.
 - Academic Plan: The appeal is approved and the student will be given an academic plan with performance standards that must be adhered to for the student to remain eligible for federal financial aid.
- Denied: Students who are denied will not be eligible to receive federal financial aid.

Reinstatement of Financial Aid

After federal financial aid termination, students may be eligible for reinstatement of financial aid after the student enrolls in courses at his/her own expense and meets the terms of the satisfactory academic progress policy.

Return of Title IV Funds

The law specifies how UAPB must determine the amount of Title IV program assistance that you earn if you withdraw from school. The Title IV programs that are covered by this law and offered at UAPB are: Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, Direct Loans and PLUS Loans.

When you withdraw, the amount of Title IV program assistance that you have earned up to that point is determined by a specific formula. If you received (or UAPB or your parent received on your behalf) less assistance than the amount that you earned, you may be able to receive additional funds in a post-withdrawal disbursement. If you received more assistance than you earned, the excess funds must be returned by the university and/or you.

The amount of assistance that you have earned is determined on a prorata basis. For example, if you completed 30% of the semester, you earned 30% of the assistance that you were scheduled to receive for that semester. Once you have completed more than 60% of the semester, you earn all the assistance that you were scheduled to receive for that period; however, there are some

Title IV funds that you may have been scheduled to receive that cannot be disbursed to you once you withdraw because of eligibility requirements. For example, if you are a first-time, first-year undergraduate student and have not completed the first 30 days of the semester before you withdraw, you will not receive any Stafford Loan Funds that you would have received had you remained enrolled past the 30th day.

The official withdrawal date is the date the Office of the Registrar receives written notification of your intent to withdraw. In the case of an unofficial withdrawal (student stopped attending classes), the University will assume the last date of enrollment was the mid-point of the semester (50%) unless documentation of a different date is provided.

If you receive (or UAPB or your parent receives on your behalf) excess Title IV program funds that must be returned, UAPB must return a portion of the excess equal to the lesser of:

- Your institutional charges multiplied by the unearned percentage of your funds, or
- The entire amount of excess funds.

UAPB must return this amount even if it did not keep this amount of your Title IV program funds. The funds will be returned in the following order, up to the amount disbursed from each source:

- Federal Direct Loans Unsubsidized
- Federal Direct Loans Subsidized
- Federal PLUS Loans
- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grants

If UAPB is not required to return all of the excess funds, you must return the remaining amount. Any loan funds you must return, you (or your parent for a PLUS Loan) repay in accordance with the terms of the promissory note. That is, you make scheduled payments to the holder of the loan over a period of time.

Any amount of unearned grant funds that you must return is called an overpayment. The maximum amount of a grant overpayment that you must repay is half of the grant funds you received or were scheduled to receive. You must make arrangements with UAPB or the Department of Education to return the unearned grant funds.

UAPB will return unearned funds for which it is responsible as soon as possible, but no later than 45 days after the date we determined

you withdrew. You must return/repay any unearned funds for which you are responsible to repay within 45 days of receiving notification a repayment is due.

The requirements for Title IV program funds when you withdraw are separate from any refund that you may be eligible for under the UAPB refund policy. Therefore, you may still owe funds to the university to cover unpaid institutional charges or funds the university was required to return as part of the Return to Title IV Funds policy.

SCHOLARSHIPS

Arkansas Department of Higher Education Financial Aid Programs

The following programs are administered by the Arkansas Department of Higher Education (ADHE). The eligibility requirements and rules governing the programs are subject to legislative and regulatory amendments. These programs are for Arkansas residents attending an approved Arkansas university such as the University of Arkansas at Pine Bluff. For additional information on these programs contact ADHE or visit their website, www.adhe.edu.

Academic Challenge Scholarship (Funded by the Arkansas Scholarship Lottery)

Traditional students (students who enter college within 12 months after graduating from high school) and non-traditional students are eligible to receive the Arkansas Academic Challenge Scholarship. **Traditional students** who graduate from an Arkansas public high school and successfully complete the Smart Core Curriculum and either achieve at least a 2.5 high school grade point average (GPA) or have a composite score of 19 or higher on the ACT meet the criteria to receive the scholarship. Other criteria apply to students who do not graduate from an Arkansas public high school or complete the Smart Core. **Non-traditional students** who enroll with less than 12 college hours must have a composite score of 19 or higher on the ACT or an equivalent test or achieved a high school GPA from an Arkansas public high school of at least 2.5. Non-traditional students with 12 or more hours must have a college GPA of 2.5 or higher. Other criteria apply to students who do not graduate from an Arkansas public high school.

Second Effort Scholarship

The top ten scorers on the GED exam during the previous calendar year are awarded scholarships of up to \$1,000 annually.

Governor's Scholars Program

Governor's scholarships are \$4,000 annually and awarded to graduating high school seniors based on academic achievement, test scores and leadership. The Governor's Distinguished Scholarship is awarded to those scoring 32 on the ACT or 1410 on the SAT, and a 3.50 GPA, or is named a National Merit Finalist or National Achievement Scholar. The scholarship pays tuition, mandatory fees, room and board up to \$10,000 per year.

Law Enforcement Officers' Dependents Scholarship Program

This program provides a waiver of in-state tuition, mandatory fees, and on-campus room for dependents and spouses of Arkansas law enforcement officers, some Highway and Transportation Department employees, and other public employees, who were killed or permanently disabled in the line of duty.

Workforce Improvement Grant

Need-based grants up to \$2,000 annually are available to students at least 24 years old. To apply students must complete the FAFSA.

Military Dependents Scholarship Program

This program offers waivers of tuition, fees, room and board for dependents and spouses of Arkansans who were killed or missing in action or who were prisoners of war or who are totally and permanently disabled.

Recipients do not have to be Arkansas residents; however, the parent or spouse must have been an Arkansas resident at the time he/she entered the service or whose official residence is within the state of Arkansas.

Student Undergraduate Research Fellowship (SURF) Program

This program allows undergraduate students to conduct in-depth research projects in their specific fields of study with the assistance of faculty mentors.

Higher Education Opportunities Grant (GO! Grant)

This is a need-based grant for undergraduate students. Full-time students may receive \$1,000 annually and \$500 for part-time enrollment.

Institutional Scholarships

The academic scholarship program at UAPB is designed to recognize and reward students who have excelled academically. Additional information may be obtained on the following scholarships by contacting the Office of Recruitment.

Chancellor's Scholarships

Full tuition; enrollment fees; room/board (double occupancy); and books (up to \$500) awarded to first-time freshmen with a minimum 3.5 GPA and minimum composite ACT score of 28 or serve as valedictorian or salutatorian of high school class. To be renewed, recipients must maintain at least a 3.20 cumulative GPA and complete at least 15 hours per semester. The scholarship may be received for a maximum of 8 semesters.

University Scholarships

Full tuition, room and board (double occupancy), books (up to \$500) awarded to first-time freshmen with a 3.5 GPA and a minimum ACT score of 23 or ranked in the top 5% of their graduating class. To be renewed, recipients must maintain at least a 3.20 cumulative GPA and complete at least 15 hours per semester. The scholarship may be received for a maximum of 8 semesters.

Dean's Academic Tuition Scholarships

Full tuition scholarships awarded to first-time freshmen with a 3.0 GPA and an ACT score of 21 or higher or rank in the top 10% of their graduating class. Scholarships are renewed if recipients maintain a 3.0 cumulative GPA and complete at least 15 hours per semester. The scholarship may be received for a maximum of 8 semesters.

Transfer Student Scholarships

These scholarships are awarded to transfer students with 60 to 85 semester hours and a minimum GPA of 3.25. The scholarship may be received for a maximum of 4 semesters and is renewed if students complete at least 12 hours per semester with a 3.0 GPA.

Band Scholarships

Band Scholarships are service awards and are based on the students' ability, productivity, and attitude. Scholarships offered range from partial to full tuition and are awarded per semester. These service awards are renewable each semester for up to four years or 8 semesters. Scholarship students will perform in several university band ensembles. The ensembles include and are not limited to the following: "The Marching Musical Machine of

the Mid-South," UAPB Pep Band, Concert Bands, Jazz Ensemble, Messiah Orchestra, Small section ensembles (i.e. Percussion Ensemble). All students must audition in person or via video tape in order to potentially receive a band service scholarship.

Vesper Choir Scholarships

Scholarships up to full tuition are awarded to incoming students based on the quality of their audition and interview. Also required is a letter of recommendation from their high school choir director. Scholarships are renewable each year based on a performance-based evaluation. For more information (including audition requirements), visit the Music Department/Vesper Choir web site or contact the Music Department.

Chancellor's Hardship Scholarships

For scholarship information, contact the Office of Student Financial Services at (870) 575-8302.

Athletic Scholarships

Student athletes may receive scholarships based on their athletic abilities in football, basketball, baseball, golf, softball and track and field. Contact the UPAB athletic department for scholarship information.

Student Government Association (SGA) Scholarships

Scholarships are awarded to student leaders including the SGA President, Vice President, Director of Public Relations, Secretary, Treasurer and Treasurer-Elect. Other awards are made to the editors of the *Arkansawyer* and the *Lion Yearbook* and to Miss UAPB.

School of Education Scholarships

In addition to the scholarships listed below, there are a number of scholarship opportunities for Education majors included in the Alumni Endowment Scholarships.

School of Education Academic Scholarship

This scholarship is provided by the School of Education and awarded to a junior or senior education major with the highest GPA. Applicants are required to write a two page double spaced essay on the "Current issues/trends in Education in Arkansas" as part of the application process.

Walton Delta Teacher Scholarships

The Walton Delta Teacher Scholars Program is designed to fund scholarships for African-American

students majoring in Teacher Education.

Other Scholarships and Educational Awards

Reserve Officer Training Corps (ROTC)

The United States Army annually awards scholarships to highly motivated students with a strong commitment to military service. The scholarship pays for tuition, fees and a standard amount for textbooks and supplies. The University of Arkansas at Pine Bluff will offer room and board scholarships to recipients of U. S. Army ROTC Scholarships who reside on campus. For more information contact the Department of Military Science at UAPB.

Arkansas Geographical Critical Needs Minority Teacher Scholarships

These scholarships provide assistance to African-American, Hispanic-American, Asian-American and Native American students who agree to teach in the Delta or in a geographical area of the state where there exists a critical shortage of teachers as designated by the Arkansas State Board of Education.

State Scholarship (ACT 1264)

An ACT to make appropriations to the University of Arkansas at Pine Bluff for scholarships.

Robert C. Byrd Honors Scholarship Program

This is a merit-based program designed to recognize and promote student excellence and achievement. Although it is a federally funded program, it is administered by the states. Byrd Scholars receive up to \$1,500 per year for up to a maximum of four years of undergraduate study.

AmeriCorps

The Corporation for National and Community Service, more popularly known as AmeriCorps, offers educational awards to individuals who serve communities before, during, or after postsecondary education. AmeriCorps volunteers meet community needs through a variety of services such as renovating housing, immunizing children, and policing neighborhoods. After one year, AmeriCorps volunteers may receive educational awards to be used for the payment of college cost or the repayment of student loans.

Veterans' Benefits

The Department of Veterans Affairs (VA) administers benefit programs for education or training. These include active duty or reservist benefits for veterans under the Montgomery GI Bill. They also include benefits under the Survivors' and Dependents

Educational Assistance Program (DEAP). DEAP benefits are available to the spouse or child of certain veterans who are deceased, permanently disabled, or forcibly detained or interred by a foreign government or power while in the line of duty.

Vocational Rehabilitation Program

Restricted to individuals who have physical or mental disabilities that affect employment. The award provides vocational counseling and guidance, medical restorative services and appliances, job placement and follow-up, and skill training services for employment. Funds may be available for tuition, books and supplies as well as other expenses. Contact the resident's State Department of Vocational Rehabilitation for further information.

Thurgood Marshall Scholarship

The Thurgood Marshall Scholarship fund awards four-year merit scholarships to students attending Historically Black Public Colleges and Universities.

PLEASE NOTE: All scholarships received by students must be disbursed in accordance with the University of Arkansas at Pine Bluff policies and the Arkansas State Stacking Policy.

INSTITUTIONAL SCHOLARSHIPS		
TYPE	REQUIREMENTS	AMOUNT
Chancellor's	Be a first-time entering freshman Have a minimum composite ACT score of 28 or minimum SAT score of 1250 (Math and CR only) or Valedictorian or Salutatorian of high school class Enter with a 3.5 GPA or above Graduate from an accredited high school	Full-Ride (Tuition, Fees*, Room and Board, Books*) Eight semesters only
University	Be a first-time entering freshman Have a minimum composite ACT score of 23, or a minimum SAT score of 1050 (Math and CR only), or graduate in the top 5 percent of your high school class Enter with a 3.5 GPA or above Graduate from an accredited high school	Full Tuition, Room and Board, Books* Eight semesters only
Dean's Academic Tuition	Be a first-time entering freshman Have a minimum composite ACT score of 21, or a minimum SAT score of 980 (Math and CR only), or graduate in the top 10 percent of your high school class Enter with a 3.0 GPA or above Graduate from an accredited high school	Full Tuition Eight semesters only
New Era (One Time Scholarship)	Be a first-time entering freshman Have a minimum GPA of 2.8 Have a minimum composite ACT score of 19 or above, or a composite SAT score of 900 (Math and CR only) or above (Scholarship is void if a four-year scholarship is received)	\$750 and Books+ for 2.8-2.99 GPA \$3,000 for 3.0-3.49 GPA \$4,000 for 3.5 and above GPA
Transfer Scholarship	Transfer not less than 60 semester hours and not more than 85 Have a 3.25 GPA or above	Full Tuition Four semesters only
RN to BSN Scholarship	Must have a valid RN License; 3.25 GPA or above	Full Tuition; Four semesters only
BS to BSN Scholarship	Must have Bachelor of Science degree; 3.0 GPA or above	Full Tuition; Four semesters only
Neighbors of Arkansas		
Tier A ACT composite score: 19 2.8 grade point average Graduate from an accredited high school	Tier B ACT composite score: 17-18 2.8 grade point average Graduate from an accredited high school	Tier C ACT composite score: 17 2.5 grade point average Graduate from an accredited high school
90% Award Students who meet this criteria will receive a Neighbors of AR Tuition Assistance Award that pays 90% of the difference between in-state and out-of-state tuition	80% Award Students who meet this criteria will receive a Neighbors of AR Tuition Assistance Award that pays 80% of the difference between in-state and out-of-state tuition.	50% Award Students who meet this criteria will receive a Neighbors of AR Tuition Assistance Award that pays 50% of the difference between in-state and out-of-state tuition.
Academic Golden Opportunity Scholarship	Be enrolled as a continuing fulltime student Have a minimum GPA of 3.0 Have a current FASFA on file Submit a 250 word essay Have not received any other University scholarship	3.0-3.24 GPA is awarded \$2,000 3.25-3.49 is awarded \$3,000 3.5-3.74 is awarded \$4,000 3.75-4.0 is awarded \$5,000
Need-Based Golden Opportunity Scholarship	Be enrolled as a continuing fulltime student Have a minimum GPA of 2.5 Have a current FASFA on file Submit a 250 word essay Demonstrate financial need	TBD as percent of need
*Books are maximum \$500 per semester; Fees are limited to enrollment fees only; ACT/SAT score will be given first consideration for Scholarships.		
Online scholarship application can be found at http://www.uapb.edu . Choose Admissions and Office of Recruitment		

UAPB ENDOWED SCHOLARSHIP PROGRAMS

The University has two Endowed Scholarship Programs – The AM&N/UAPB National Alumni Association Endowment Fund and the UAPB Foundation Fund Endowments.

AM&N/UAPB National Alumni Association Endowment Fund

The Alumni Endowed Fund awards 137 scholarships annually. These scholarships are supported by 13 Alumni Chapters, 20 graduating classes of the institution, and 104 families, organizations, and individuals. Applications are accepted from the beginning of January each year until mid-February. Some scholarships are need-based, some are competitive, and others are designated for specific home towns and majors. To qualify, all applicants must have 30 or more cumulative hours and a minimum GPA of 2.3 on a 4.0 Scale.

Eligibility requirements and application procedures for this scholarship program can be found at www.uapb.edu.

UAPB Foundation Fund Endowments

Endowed funds for scholarships and awards deposited for use by

the University of Arkansas at Pine Bluff (UAPB) with the University of Arkansas Foundation, Inc. (or funds originating from such deposits), are for the specific purpose of benefitting students attending UAPB. The funds received through the UAPB Foundation Fund are held in trust and generate income for scholarships. The current spending policy of the University of Arkansas Foundation, Inc., is to expend for scholarships and awards approximately 4.5% of the fair market value of the endowment – calculated on a three-year rolling average.

The annual income generated is expended according to Foundation guidelines. In general, a portion of the annual income is reinvested to continue building the endowment, thus ensuring the viability for the future. The remaining portion is expended directly for the purposes designated by the donor. The principal remains untouched.

Currently, there are over 235 scholarships/awards made through various departments and offices at UAPB. For additional information on UAPB Foundation Fund scholarships and awards, please visit the Development Office webpage (www.uapb.edu/giving). You may also contact the academic department for your field of study for application deadlines and to obtain application forms.

OFFICE OF STUDENT INVOLVEMENT AND LEADERSHIP

Kara M. Brown

Associate Dean of Students
Student Involvement & Leadership

Carolyn Nelson

Office of Student Involvement & Leadership, HEI Program
Coordinator

Courtney Jackson

L. A. Davis Student Union
Interim Director

Zachariah Butler

L. A. Davis Student Union
Assistant Director/Recreational
Sports Coordinator

Carl Honorable

Eddie Ringo

L.A. Davis Student Union
Institutional Service Assistants

Stacia Ward

UAPB Fitness Center, Director

The Office of Student Involvement & Leadership

The Office of Student Involvement & Leadership is responsible for preparing our students for leadership development, social engagement, and extracurricular activities. This office hosts over 80+ active student organizations and clubs. We are also the umbrella to the Student Government Association, Lion Year

Book, Arkansawyer Newspaper, National Pan-Hellenic Council, and Union Programming Board (a student-run board which hosts activities yearly for students).

This office cultivates an array of programming throughout the year such as leadership retreats, Speaker's Series, Homecoming activities, social justice activities, and many more.

We encourage our students to engage in programs that keep them involved through campus and off-campus connections.

STUDENT FACILITIES

L. A. Davis Student Union

The heart of the campus, the L.A. Davis Student Union Building, is located in the center of the institution's estate. It is the community center for the campus: promoting social, recreational, cultural, educational, and individualized interest activities.

The Student Union provides activities for the development of responsible group participation and social interaction, use of leisure time, and cultivation and expression of varied student interests. We encourage all faculty, staff, students and guests to abide by the policies and procedures.

This office provides current information about events, and schedules activities on the campus. In addition, all university events, programs or activities that occur within this building must have prior approval from the Office of Student Involvement and Leadership. For more information, please call 870-575-8925.

UAPB Fitness Center

The UAPB Fitness Center exists to provide a diverse selection of quality exercise equipment for individuals to pursue fitness and stress relief opportunities that enhance their personal development and establish habits for a healthy lifestyle change.

Group Fitness Classes and Water Aerobics can be found in the Health, Physical Education, and Recreation (HPER) Department.

Personal Training and Assessment are available through the Office of Student Involvement & Leadership.

Student Activity Fees

The student activity fee that is assessed each semester per student is allocated to the Office of Student Involvement and Leadership for equitable allocation including a variety of programs and events to enrich

student opportunities outside of the classroom.

Programs/Activities funded by student fees include:

- Registered Student Organizations
- Student Government Association
- Miss University of Arkansas at Pine Bluff Organization
- Union Programming Board
- Office of Student Involvement & Leadership Activities
- UAPB student publications; the Lion Yearbook, the Arkansawyer, and the Roar
- Intramural Sports Program
- UAPB Fitness Center

In addition to the administration of the student activity fee, the Office of Student Involvement and Leadership provides a variety of services to meet the needs of registered student organizations as well as for all students. For more information to get involved, please contact our office 870.575.8866, please email osil@uapb.edu, or stop by the office, Student Union Suite 218.

Disability Services

The University of Arkansas at Pine Bluff complies with the Americans with Disabilities Act and the Rehabilitation Act of 1973, Section 504 which states, "No otherwise qualified person with a disability in the United States...shall, solely on the basis of disability, be denied access to, or the benefits of, or be subjected to discrimination under any program or activity provided by any institution receiving federal financial assistance."

A "person with a disability" is someone with an impairment that **substantially limits** one or more major life activities; has a record of such an impairment; or is regarded as having such an impairment. A qualified applicant with a disability is an individual who, with or without reasonable accommodation, can perform the essential functions in question.

Record of such impairment must be from a licensed physician and verify your eligibility as a person with a disability and support your need for requested academic adjustments, accommodations, or auxiliary aids. Individualized Education Plan (IEP) used in secondary education is not considered acceptable for higher education, but can be used as supporting documentation.

Once a request has been approved, on a case-by-case basis, then the student will be informed of how to access the service. Students are encouraged to register during early registration. The sooner students are registered the earlier the Office of Disability Services can assist and prepare an Accommodation Request Form.

Requests for alternative print formats (Braille, large print, audio text, text on CD), interpreters, and adaptive technology need to be made a minimum of two months before the beginning of classes in order to receive services in a timely manner. Braille materials may take as much as six months or longer to produce. Requests for other academic accommodations (e.g.: adapted testing, note-taker assistance, tape recording lecturers, laboratory assistance) should be made as needed.

The student must make requests for academic adjustments or accommodations each semester. Communication with the Office of Disability Services and the professors is an essential step in having the student's accommodations met and in assessing the University's Disability Services Program. Early contact with the Office of Disability Services will provide a smoother transition in obtaining needed services in a timely manner.

Student Counseling, Assessment and Development

The Student Counseling, Assessment and Development Center (SCAD) is located in Suite 207 of Caldwell Hall. The mission of Student Counseling, Assessment and Development Center is to provide effective counseling, psychosocial support, testing and enrichment activities to foster persistence and lifelong learning. Services are available by appointment or walk in. Staff presentations and consultations are available by request on a variety of topics including: stress management, anger management, time management, relationship enhancement, sexual assault, etc.

Testing services include administration of the following:

- American College Test (ACT) Residual
- PRAXIS Series (Teacher Education)
- Law School Admissions Test (LSAT)
- English Proficiency Examination
- Arkansas Assessment of General Education (AAGE) (CAAP) (Rising Junior)

Additional test information is available for online registration for other professional exams.

The Student Counseling, Assessment and Development Center is affectionately called the home of the “Warm Fuzzy”, as it strives to provide a nurturing and supportive environment for students to explore who they are, where they are headed and how to get there.

Extracurricular Activities

Intramural Programs

The L. A. Davis Student Union and the Kenneth L. Johnson, Sr. Health, Physical Education and Recreation Complex provide additional space and facilities for an expanded program of activities. Students may compete in a number of activities, including flag football, basketball, volleyball, softball, tennis, handball, billiards, table tennis, chess, track, quiz bowl and other activities that students may request.

The UAPB Intramural Program operates within the framework of the L. A. Davis Student Union. It is designed for maximum student participation, with governing programs to provide for the needs and interests of women, and with extensive student involvement in the actual planning, organization and supervision of the entire program.

The program operates under the following intramural policies:

1. Only UAPB students may participate in the intramural program.
2. Participants may not transfer from one team to another during a season.
3. Single and Double Elimination Tournaments and Round Robin plans are used, as far as possible, in order to provide maximum participation and challenges.
4. Recognition and awards are provided for winners. The L. A. Davis Student Union cooperates with the HPER's programs, student paper and public relations in promoting intramural activities.

Who's Who Among Students in American Universities and Colleges

Students nominated from over 600 colleges and universities are recognized in "Who's Who Among Students in American Universities and Colleges." Selections are based on scholarship, citizenship, cooperative leadership in academic and extra-curricular activities, service to the school and promise of future usefulness to business and society. Each student accepted receives a certificate of recognition from "Who's Who."

Student Organizations and Activities

Only a part of college learning takes place in the classroom. Students at UAPB may choose to participate in any number of a wide variety of student activities and organizations.

Through these curricular and co-curricular activities one can develop leadership and communication skills; interact with other leaders, administrators, and faculty/staff; increase one's awareness of available campus resources; and enhance one's development while at college.

It has been found that participation in extra-curricular activities contributes to greater interdependence, more appropriate educational plans and more mature life-style plans.

More than 90 organizations offer students many choices for involvement. These include honors programs, departmental and professional clubs and organizations, governing boards, university related activities, residence hall and special interest activities, social fraternities and sororities, and religious groups.

Students who desire to participate in activities, join an organization, pursue special interests, or assist in the planning of campus events should contact the Office

of Student Involvement and Leadership, or an officer or advisor of the respective organization.

All organizations must be approved on the basis of their potential for providing a worthy supplement to the academic training of students. One goal of the University is to have each student actively participate in at least one organization and reward each student with the opportunity to become totally developed.

Governing Bodies for Student Organizations

Student Government Association

The “voice” of the students, SGA has the general responsibility of representing the students of the University.

Commuter Students Association

This organization serves as the governing body for students who live off-campus.

Inter-Residential Hall Judiciary Council

This is the governing body for residence Halls.

Pan Hellenic Council

This is the policy making body for all nine social fraternities and sororities.

STUDENT HEALTH SERVICES

Belinda Holmes Director

Student Health Services is a unit in the division of Student Affairs located in the Browne Infirmary Building on the campus of the University of Arkansas at Pine Bluff. It uses a collaborative approach toward total student development, ensuring that students who use this facility will maintain an optimal level of health.

The hours for services are 8:00 a.m. to 5:00 p.m. Monday through Friday during the fall and spring semesters. The center is staffed by two professional nurses and a secretary, a part-time registered nurse practitioner in reproductive health (who is on campus once a month), and a medical doctor.

The doctor’s hours are Monday, Tuesday, Thursday and Friday 9:00 a.m. to 11:30 a.m. All in-house episodic services are covered by the student’s health services fee. However, if the physician writes a prescription

or sees the need to refer to an outside agency for specialized services such as X-ray, laboratory, psychiatric care, dental, or major eye problems, payment is the student's responsibility. Free medicine samples are often available.

Student Health Services' mission is supported by four goals:

1. To ensure optimal health by providing full-time and part-time students that use the Health Services Center an individual plan of care.
2. To emphasize prevention strategies to students on a level of his/her understanding to avoid recurring health problems.
3. To ensure that each primary and ancillary staff receives ongoing education and training on current health trends to support Health Services' Mission.
4. To assess the quality and quantity of activities in Student Health Services and confirm the appropriateness of the mission that users of Student Health Services maintain the optimal level of health.

JOHN BROWN WATSON MEMORIAL LIBRARY SYSTEM

Edward Fontenette
Director

The John Brown Watson Memorial Library, the main library on campus, and five satellites compose the library system. The library system is the heart of the University of Arkansas at Pine Bluff (UAPB) and serves to support the curricular and research needs of students, faculty, and staff with innovative spaces for collaboration on multi-media projects, exemplary resources, and phenomenal staff.

The primary goal of the library system is to provide an exciting real-time or virtual experience with access to over 75 research databases, Information Literacy classes, instructional tutorials, and programs that will promote academic and career success, global enhancement, personal enrichment, and life-long learning.

LION SEARCH, the name of UAPB's discovery system, provides a one-stop searching platform for research databases and hosts over a million full-text journal and newspaper articles, abstracts, eBooks, and images that are accessible from all computers on campus or at a distance twenty four hours a day/seven days a week from UAPB's website: www.uapb.edu. Go to Campus Life, click on the John Brown Watson Memorial Library and discover extraordinary research possibilities.

During the fall and spring semesters, the main library is open 7:30a.m.-11:00p.m. Monday – Thursday; 7:30a.m.-5:00p.m. Friday; 8:30a.m.-4:30p.m. Saturday; and 3:30p.m.-11:00p.m. Sunday.

Online reference and content specific books are hosted by various databases, and the main library houses a volume equivalence of 366,000 holdings and 310 print journals. Retrospective journals are available online or on microfilm.

Online Interlibrary Loan forms may be completed for articles or books from other libraries in partnership with UAPB's library system and delivered via email or by other document delivery sources.

ProQuest's Research Companion, a student-centered online learning environment, supports the library system's instructional program of Information Literacy which teaches end users how to recognize when information is needed and how to efficiently locate, evaluate, use and communicate the information in varied formats. Research Companion also includes skills applicable to effective writing and career success.

The main library additionally houses two collaborative study centers for virtual collaboration on multi-media projects and two study rooms that may be used by large or small groups. Seventy four virtual, wireless, or wired computers are available in the main library and the satellites. Point-of-use Instruction is provided by enthusiastic staff members who encourage end users to readily seek help, when needed.

Students may also request virtual reference research assistance 24/7 through Ask-a-Librarian that is available from the library's page from UAPB's website. The turnaround on these requests is 24-48 hours.

Library Liaisons are additionally available to assist the students and faculty of each school, division, and department at the University with requests for Information Literacy instruction or other classes to support the curriculum, acquisitions, or suggested programs that will enhance campus life.

The five satellites, along with the main library, work together to promote the educational mission of the University. One of the five library satellites, the Addiction Studies Resource Center, was established in 2001 to support the students and faculty in the Addiction Studies master's program. Located in rooms 204 and 205 of the Walker Research Center, the resources in this satellite are available to all academic areas of the campus.

The Aquaculture Fisheries Research and Educational Library, located in room 204 of Woodard Hall, was created as a cyber-library with access to its databases and online journals from any computer in the department. These resources complement the offerings of the main library and provide subject-specific access to aquaculture fisheries' materials.

The James R. Bell Learning Resources Center, in room 108 of Caldwell Hall, houses non-print materials and equipment for curricular and instructional technology use by UAPB faculty and staff. The North Little Rock Library satellite, housed at UAPB's North Little Rock campus, has a goal of providing research services to students comparable to those at the Pine Bluff campus.

The Rosemarie Word Instructional Resource Center, in room 113B of Dawson-Hicks Hall, supports the programs of the School of Education with resources used by students to develop the skills needed for pre-service and in-service classroom instruction.

The Juvenile Collection in the Rosemarie Word Instructional Resource Center provides children's literature to support the School of Education. Featured collections include Newberry and Caldecott award winning books as well as books from the Charlie May Simon and Coretta Scott King collections.

The African American Collection, another special collection, hosts over 10,000 volumes of monographs by and about African Americans. This interdisciplinary

collection is located on the second floor of the main library and includes the Langston Hughes Collection and an exquisite display of African masks and tribal symbols. The library additionally houses some rare Columbian artifacts.

The books in the main library are organized under the Dewey Decimal Classification System and are available on open shelves on both floors of the building. The Circulation policy provides for a two-week loan period for students with renewals as needed.

The main library is also a partial government depository that hosts essential online and print federal, state, and local titles. These documents are invaluable to researchers seeking primary sources.

All innovation within the library system is focused to impact “the ways in which library users are changed as a result of their contact with the library’s resources and programs.” (*Association of College & Research Libraries, Standards for Libraries in Higher Education*).

SCHOOL OF AGRICULTURE, FISHERIES AND HUMAN SCIENCES

Edmund Buckner Interim Dean

The School of Agriculture, Fisheries and Human Sciences encompasses academic programs in the Departments of Agriculture, Aquaculture and Fisheries, and Human Sciences, as well as an interdisciplinary program in Regulatory Science within the Department of Agriculture. Other programs include 1890 Cooperative Extension, Evans-Allen Research and the Office of International Programs. Within the broad parameters of its tripartite mission, the school seeks to develop, disseminate and encourage the application of research-based knowledge in the human and agricultural sciences. This mission is visible in the following goals:

1. To provide relevant academic instruction and student experiential learning in selected areas;
2. To identify social and economic problems and conduct appropriate problem-solving research; and

3. To disseminate research results through Extension activities, workshops and other educational outreach programs.

All academic programs provide well balanced educational activities designed to prepare students for professional careers, to encourage constructive citizenship, and to develop leadership skills and potential. Many tools and strategies are used in assessing student progress. State and University mandated performance tests are major assessment tools. The School's assessment program also includes a senior exit survey, the required student Portfolio and the Capstone Senior Seminar.

In addition, student progress is monitored through advisory conferences, supervisory evaluations of internship experiences, participation in campus activities and organizations, and other evidence of personal and professional growth.

Degree Programs

Bachelor of Science in Agricultural Sciences with options in:

- Agricultural Economics
- Agricultural Business
- Plant Science
- Animal Science
- Agricultural Education
- General Agriculture

Regulatory Science with options in:

- Agriculture
- Environmental Biology
- Industrial Health and Safety

Master of Science in Agricultural Regulations

Bachelor of Science in Fisheries Biology

Master of Science in Aquaculture and Fisheries

PhD in Aquaculture/Fisheries

Bachelor of Science in Human Sciences with options in:

- Human Development and Family Studies
- Nutrition and Dietetics
- Merchandising, Textiles and Design
- Food Service and Restaurant Management

All degree programs provide the knowledge base required for entry into appropriate professional careers as well as advanced studies in the selected discipline. Research, outreach, and international programs emphasize developing economic resources, building human capital, and enhancing the quality of life in the United States and abroad.

As technology transfer is an important component of all programs, student learning experiences include the application of computer technology and opportunities to participate in faculty research and outreach activities.

Department of Agriculture

Obadiah Njue, Chair

Professors

Obadiah Njue (Extension
Horticulture Specialist IV)
Edmund Buckner
Leslie J. Glover
Shahidul Islam
Mohammad Jalaluddin
Shadrach Okiror

Associate Professors

Usman Adamu
Tracy Dunbar
Jaheon Koo
Muthusamy Manoharan
Sixte Ntamatungiro
Bihu Huang
Ondieki Gekara
Leonard Githinji (Extension
Horticulture Specialist III)
David Fernandez (Extension
Livestock Specialist III)

Assistant Professors

Robert A. Fitz
Ondieki Gekara
Yong Park
Eunice Ndegwa
Pamela Moore
Tracy Peterson

Instructors

Rita Conley
Alicia Farmer
Julius Handcock

The Department of Agriculture provides students with a quality education through teaching, research, scientific experiences and technical orientation in the agricultural disciplines.

Objectives:

To prepare students for -

1. The job market in their area of specialization;
2. Graduate and professional school;
3. Entrepreneurship by providing knowledge of technical agriculture, agribusiness, and agricultural policies;
4. Productive and well-educated citizenship; and
5. Participation in domestic as well as international agricultural production systems.

General Departmental Requirements

Students must complete a minimum of 120 semester hours or as specified by the curriculum in their field, to earn the Bachelor of Science degree in Agricultural Sciences or in Regulatory Science. The agricultural

sciences degree program has options in Animal Science, Plant and Soil Science, Agricultural Economics, Agricultural Business, and Agricultural Education. The Regulatory Sciences degree program has options in Agriculture, Environmental Biology and Industrial Health and Safety. All students take the same core courses during the first two years. Students may take Cooperative Education which adds an additional 6 hours to the curriculum.

Although students may choose the degree and area of specialization which best satisfies their interests and goals for educational achievement, certain standards must be met: see University requirements.

Notes:

1. Students take electives with advisors' consent.
2. Students must exit University College.
3. Students must take a comprehensive examination in their major program area.

Departmental Resources

Most classroom activities are carried out in Woodard and Holiday Halls. These buildings are located on the main campus and house the academic programs. UAPB has three research and demonstration farm sites. The University Farm which consists of 213 acres is located on the north side of campus. The facilities include: The S. J. Parker Research Center and other research structures, the S. J. Parker Cooperative Extension Complex, Agricultural Technology Center, Vegetable Shed/Food Processing Laboratory and the Farm Managers House with associated equipment, animals and animal structures. An 871 acre research and demonstration farm is located near the town of Lonoke, Arkansas. The Lonoke farm has cropland, fish ponds, constructed wetlands, native grasses, trees and other conservation related resources. It is also the future home of the National Water Management Center of the Natural Resources and Conservation Service. A third research and demonstration farm is located near Marianna, Arkansas.

Agricultural Economics or Agricultural Business Option (Non-Teaching)

The curricula of these two options direct first and second year students through the core agriculture courses of plant science, animal science, agricultural technology and agricultural economics. Junior and senior students take courses in mathematics, business, economics, agricultural economics and other areas to tailor the program to their particular needs. Program graduates are prepared for careers in the business and industry of agriculture production, marketing, merchandising, and management, among others.

Objectives:

1. To prepare students for entry level jobs in their area of concentration
2. To equip students with concepts, theories and research methodology applicable to solving economic problems of the real world
3. To prepare students to pursue advanced study in agricultural economics and agribusiness

Agricultural Economics and Agricultural Business required electives (9 hrs.):

Math (3 hrs.)
Business (3 hrs.)
Computer Science (3 hrs.)

Suggested Electives for Students Interested in Accounting, Finance, Marketing or Management Career Opportunities:

Accounting - ACCT 3000-4000 level
Business Math FINA 2321
Business Law BADM 3314
Business Ethics MGMT 2200
Management Inf. System MIS 3350
Business Communications BUED 3301
Hum. Resource Mgmt. MGMT 3318
Organizational Behavior MGMT 3322
*Risk Management MGMT 4312
Consumer Analysis Beh. MKTG 3310
Introduction to Business Programming CPSC 2363
Microcomputer Application MIS 1312
Manag. Information Systems MIS 3350
Stat. to Decision Making ECON 3312
*Intro. to International Trade ECON 4305
**Intro. to Econometrics ECON 4392
*Investments FINA 3314
**Public Finance FINA 3330
Managerial Finance FINA 4310
College Grammar ENGL 3301
*Introduction to Soils AGRI 2331
*Labor Problems ECON 4311

Other upper-Level Business/Economics courses as approved by academic advisor.

Suggested Electives for students interested in Natural Resources Career Opportunities:

*Introduction to Soils AGRI 2331
plus 6 hrs. in other plant and soil science courses as approved by academic advisor.

Suggested electives for students planning to attend graduate school:

College Trigonometry MATH 1340
Pre-Calculus MATH 1550
Calculus I MATH 2510
*Intro. to Econometrics ECON 4392
*Fall Only **Spring Only

Plant and Soil Science Option

The curriculum focuses on the study of plant and soil science and adds flexibility through its elective courses, which are taken after approval by the major advisor. A student majoring in this area may specialize in crop and soil science (agronomy or horticulture) by choosing the appropriate electives. (See suggested electives which follow.)

Objectives:

1. To prepare students for agronomic or horticultural careers

2. To prepare students for graduate studies in agronomic and/or horticultural sciences
3. To graduate students who know where and how the world's food is produced
4. To graduate students who have an awareness of environmental problems

Suggested Electives for the Plant and Soil Science option:

Poultry Production AGRI 1322
Principles of Accounting ACCT 2311
College Trigonometry MATH 2320
Microcomputer Application MIS 2343
Quantitative Analysis CHEM 2430
Cooperative Internship AGRI 2600,2601,3601,3602
Plant Propagation AGRI 3302
Agricultural Finance AGRI 3303
Field Crops AGRI 3322
Agricultural Marketing AGRI 3325
Soil Physics AGRI 3334
Biostatistics AGRI 3351
Organic Chemistry CHEM 3410, 3420, 2411
Biochemistry CHEM 3412
Genetics BIOL 3440
General Microbiology BIOL 3470
Special Problems AGRI 4V00
Forage Crops AGRI 4311
Quality Assurance in Grains AGRI 4342
Farm Management AGRI 4411
Plant Anatomy BIOL 4480
Industrial, Agricultural, and Municipal Pollution and Waste Treatment AGRI 4385
Soil & Plant Analysis AGRI 4301
Post Harvest Physiology AGRI 4308

Animal Science Option (Non-Teaching)

The curriculum in animal science provides students with basic knowledge of the science of farm animals. The production of animals and poultry is central to the animal science discipline. Essential to this science is the knowledge of nutrition, physiology, breeding, management, and control of diseases and parasites of livestock. Courses in these subjects are fundamental to the animal science curriculum and point students toward careers in the poultry industries and animal related agricultural and government agencies.

Objectives:

1. To provide students with the basic knowledge of animal and poultry production
2. To provide students with knowledge and skills needed to secure employment with various animal and poultry industries as well as agriculture-related government agencies
3. To prepare students for graduate study in animal science or

4. To prepare students for a professional career in veterinary science

Electives for Animal Science option:

College Trigonometry MATH 1340
 Microcomputer Applications MIS 2343
 General Physics PHYS 2410, 2420
 Quantitative Analysis CHEM 2430
 Calculus I MATH (2510), II (2523), III (3330)
 Agricultural Marketing AGRI 3325
 Biostatistics BIOL 3351
 Organic Chemistry CHEM 3420
 Biochemistry CHEM 3412
 Gen. Microbiology BIOL 3470
 Cell Biology BIOL 3480
 Histology BIOL 3490
 Co-op Internship (one course) AGRI 2600, 2601, 3601, 3602
 Forage Crops AGRI 4311
 Special Problem AGRI 4V00

Agricultural Education (Teaching)

Bachelor of Science Degree in Agricultural Education is a collaborative interdisciplinary program between the School of Agriculture, Fisheries and Human Science and the School of Education. It is administered by the Department of Agriculture. Students must request admission to teacher education (See Criteria under "Admission to School of Education"). In order to exit the program students must pass PRAXIS examination I and II.

Objectives:

1. To prepare students for successful entry into the teaching profession and other human services-related careers
2. To assist in the placement of teachers upon completion of the program
3. To prepare students for graduate study in teacher education
4. To cooperate with other University departments in determining purpose and content of course requirements for prospective teachers
5. To work collaboratively and cooperatively with the U. S. Office of Education and the State of Arkansas Agricultural Education Staff

General Agriculture Option

In consultation with the advisor, students can register for twelve (12) credit hours from the list of recommended courses below. These credit hours will substitute for the twelve (12) hours of the student teaching/professional semester requirement for Agricultural Education (teaching option) degree.

Recommended Courses for General Agriculture Option

Students, with the consultation of the advisor, can choose twelve (12) credit hours from the following list of courses:

Agriculture Finance AGRI 3303
 Agricultural Marketing AGRI 3325
 Farm Management AGRI 4411
 Agricultural Policy AGRI 4352
 Soil Fertility AGRI 3301
 Plant Propagation AGRI 3302
 Small Fruit Production AGRI 3313
 Vegetable Production AGRI 3313
 Introducing Entomology AGRI 3327
 Soil Physics AGRI 3334
 Genetics AGRI 3350
 Soil Survey & Classification AGRI 3432
 Soil & Plant Analysis AGRI 4301
 Forage Crops AGRI 4311
 Weed Science AGRI 3306
 Plant Physiology AGRI 4304
 Animal Nutrition AGRI 3310
 Quality Assurance of Meat & Grain AGRI 4321
 Physiology of Reproduction AGRI 4353
 Man, Environment & Pollution AGRI 3399
 Indust. Agri. & Municipal Pollution AGRI 4385
 Administrative Law & Govt. AGRI 3312
 Investigative Proced. & Tech AGRI 4372
 Risk Comm. & Assessment AGRI 4331
 Biostatistics AGRI 3352
 Epidemiology AGRI 3352
 Geog. Info. System & Watershed Mgmt. AGRI 4386

Bachelor of Science Degree in Regulatory Science (Non-teaching)

The School of Agriculture, Fisheries and Human Sciences, in cooperation with the departments of Biology and Industrial Technology, administers a multidisciplinary curriculum in Regulatory Science. The curriculum includes a core of general Regulatory Science courses with three optional specializations: Agriculture Science, Environmental Biology, and Industrial Health and Safety. This unique program is the first Bachelor's degree curriculum of its kind in the country.

Program graduates are qualified for entry-level positions with federal and state agencies related to regulatory policies and enforcement procedures as required to protect the public in matters of health and safety. Students completing the curriculum are also excellent candidates for managerial positions with private industries seeking applicants with an understanding of and experience in regulations.

Objectives:

1. To provide a comprehensive multidisciplinary curriculum that prepares students for entry-level positions with federal and state regulatory/compliance agencies and private industry
2. To provide students with broad-based knowledge and understanding of the legislative and judicial powers delegated to federal and state agencies
3. To increase the pool of minority and female applicants for positions with federal and state agencies and private industry
4. To prepare students for graduate study in risk analysis, public policy, agriculture, environmental biology, and related disciplines

Regulatory Science Courses Suggested electives for the Regulatory Science Options:

Agricultural Policy AGRI 4352
 Animal Science AGRI 4321
 Applied Fluid Mechanics TECH 2362
 Aquaculture AQFI 2429
 Agricultural Marketing AGRI 3340
 Biostatistics AGRI 3351
 Comparative Anatomy BIOL 3460
 Entergy Conversion TECH 4323
 Engineering Graphics TECH 1302
 Genetics AGRI 3350
 GIS & Watershed Mgt. AGRI 4386
 Instrumentation TECH 4376
 Intro to Agricultural Biotechnology AGRI 2326
 Introductory Soils AGRI 2321
 Limnology AQFI 3329
 Man, Environment & Pollution AGRI 3399
 Mechanical & Electrical Equip. TECH 4318
 Molecular Biology AGRI 4400
 Animal Physiology AGRI 4332
 Plant Anatomy BIOL 4480
 Plant Layout TECH 3363
 Plant Morphology BIOL 2460
 Poultry Production AGRI 1322
 Quantitative Analysis CHEM 2340
 Special Problems TECH 4380
 Vertebrate Physiology BIOL 4450
 Soil Classification AGRI 3432
 Spanish MDFL 2311
 Parasitology BIOL 3360
 Weed Science AGRI 3306
 General Botany BIOL 1470
 Microbiology BIOL 3470
 Food Science & Technology AGRI 4401
 Special Problems AGRI 4V00

AGRI Agriculture Course Descriptions

AGRI 1101 REGULATORY SCIENCE SEMINAR (1)

This is an introductory course providing an overview of the degree program and its various curricula options. It includes exposure to an array of regulatory agencies and issues. It also provides a general overview of the regulatory systems, the role and scope of bureaucratic policy making, and efforts to reform regulatory agencies. Lecture: 1 hour per week.

AGRI 1301 FOUNDATION OF EDUCATION IN AGRICULTURE (3)

This is an introductory course designed to orient students to agricultural education and the public education system. Major emphases are on basic concepts, philosophies, objectives, and values of agricultural education in the public schools and community settings and how they relate with public school education. Also, important historical and legislative developments that provide foundation to agricultural education will be studied.

AGRI 1321 SCIENCE OF ANIMALS (3)

A basic study of the science of farm animals involving the following areas: classification, feeding principles, fundamental principles of physiology, judging, diseases and their control, and the animal and associated industries. Lecture: 2 hours per week. Laboratory: 2 hours per week.

AGRI 1322 POULTRY PRODUCTION (3)

Survey of science of poultry involving the following areas: breeds, anatomy and physiology, breeding, incubation, brooding and rearing, feeding, housing, judging, diseases and their control, and marketing of eggs and poultry products. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: AGRI 1321 and CHEM 1440.

AGRI 1421 PLANT SCIENCE (4)

A study of the importance of plant science, principles of crop production and factors affecting plant growth and development. Lecture: 3 hours per week. Laboratory: 2 hours per week. Prerequisite: Prin. Biology BIOL 1455, General Botany BIOL 1470 (Animal Science majors: BIOL 1460).

AGRI 2301 AGRICULTURAL COOPERATIVES (3)

A study of the organization and development of agricultural cooperatives in the United States. Includes a study of farmer cooperatives in Arkansas. Lecture: 3 hours per week.

AGRI 2310 PLANT PATHOLOGY (3)

Designed to acquaint the student with fungi, bacteria, virus, and nematodes, mineral deficiencies and mechanical injuries causing abnormal growth and development of domesticated plants. A study of diseases affecting various crops and methods of control for these diseases. Odd years, Fall semester. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: AGRI 1421.

AGRI 2311 INTRODUCTION TO AGRICULTURAL ENGINEERING TECHNOLOGY (3)

Selection, use and care of farm tools and fish pond equipment; estimation and figuring bills of materials; soldering; woodworking; and metal working. Lecture: 1 hour per week. Laboratory 4 hours per week.

2312 PRINCIPLES OF AGRICULTURAL ECONOMICS (3)

Introduces basic concepts and theories that apply principles of economics to the everyday problems of agriculture. Lecture: 3 hours per week.

AGRI 2325 AG ENGINEERING TECHNOLOGY I (3)

An applied course stressing the importance of planning, placing, and arranging farm buildings for convenience, sanitation and appearance, the use and cost of building materials modernizing the farmstead, practice and care of handling of tools, arc and acetylene welding, pipe fitting, elementary electric wiring and repair of household appliances. Lecture: 1 hour per week. Laboratory: 4 hours per week. Prerequisite: AGRI 2311 or consent of instructor.

AGRI 2326 INTRODUCTION TO AGRICULTURAL BIOTECHNOLOGY (3)

This course introduces students to the many aspects of agricultural biotechnology including scientific, social, and commercial. The course will focus on the scientific basis of and methodology used in biotechnology, role of biotechnology in agriculture, and the commercial, ethical and regulatory aspects of

biotechnology. Prerequisite: Consent of Instructor.

AGRI 2331 INTRODUCTORY SOILS (3)

Covers principles of soil genesis and classification, physical properties, nutrients, liming, organic matter and soil-plant relationships. Fall semester. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: MATH 1330 and CHEM 1430.

AGRI 3100 REGULATORY INTERNSHIP (1)

Designed to provide students with a variety of educational experiences with regulatory/compliance agencies. Full summer of work and observation of regulatory activities with one or more state or federal agencies. Prerequisites: 2.8 cumulative GPA and approval of program director.

AGRI 3101 AGRICULTURAL EDUCATION SEMINAR (1)

A study of current and emerging issues in agricultural education related to cultural/ethnic diversity, classroom and laboratory environment, supervised agricultural experiences, and Future Farmers of America/youth leadership. Emphases are placed on the areas of need of students in the classroom.

AGRI 3231 RURAL ELECTRIFICATION (3)

Theoretical application and practice in developing an understanding of the basic principles involved in selection, operation and maintenance of electrical equipment, motors and appliances. Lecture: 1 hour per week. Laboratory: 2 hours per week. Prerequisite: AGRI 2311 or consent of instructor.

AGRI 3301 SOIL FERTILITY (3)

A study of chemical, physical and biological factors affecting productivity, maintenance and improvement of soil. Covers nutrient deficiency symptoms, fertilizer properties and fertilization practices. Even years, Spring semester. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: CHEM 1430, 1440, AGRI 2331 and CHEM 2411.

AGRI 3302 PLANT PROPAGATION (3)

A study of the principles and methods involved in the seed propagation of woody and herbaceous plants. These include: division, layering, cutting, budding and grafting. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: AGRI 1421.

AGRI 3303 AGRICULTURAL FINANCE (3)

A study of the capital and credit needs of farmers, sources of funds necessary to maintain control over the factors of production, cost, terms and risks involved in the use of credit. Lecture: 3 hours per week. Prerequisite: AGRI 2312.

AGRI 3304 SMALL FRUIT PRODUCTION (3)

A study of the principles and practices involved in the production of small fruits including: grapes, strawberries, brambles, and bush fruit. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: AGRI 1421.

AGRI 3306 WEED SCIENCE (3)

An introductory weed science course on weed identification; efficient control by chemical, biological, and cultural methods; and the effect of herbicides on weeds. Even years, Spring semester. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: AGRI 1421 or BIOL 1470 and CHEM 1430 or 1440.

AGRI 3307 METHODS, MEDIA, & TECHNOLOGY OF TEACHING AGRICULTURE (3)

This course is designed to teach instructional techniques and strategies of teaching agriculture and agriculture related subjects to an individual or group of people. The emphases are on the application and use of computer technology, learning aids/tools teaching and learning principles, group and individual methods of teaching, and instructional planning and evaluation.

AGRI 3310 ANIMAL NUTRITION (3)

A study of the principles of animal nutrition and their applications to feeding practice. Also covers food nutrients and their functions. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: AGRI 1321 and CHEM 1440.

AGRI 3312 ADMINISTRATIVE LAW AND GOVERNMENT PROCEDURES (3)

Overview of the powers delegated to a regulatory agency by legislative body and an analysis of the limits placed on the powers and actions of regulatory agencies

using previous court cases and Administrative Procedures Act. Particular emphasis is given to the legislative and judicial power delegated by the U.S. Congress to Federal agencies and the control and limit of the powers of the agencies. Lecture: 3 hours per week.

AGRI 3313 VEGETABLE PRODUCTION (3)

The fundamental practices involved in the production of vegetable crops. Considers classification, production, insect control, and marketing vegetables. Odd years, Spring semester. Lecture: 2 hours per week. Prerequisites: AGRI 1421 and 2331.

AGRI 3314 ORNAMENTAL HORTICULTURE (3)

Classification of horticultural plants, identification and descriptions of ornamental plants, plant growth regulators, plant propagation, interior use of plants, landscape design, greenhouse and other growing structures, and nursery production and management. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: BIOL 1470 or AGRI 1421

**AGRI 3316 AGRI.
ENGINEERING TECHNOLOGY
(3)**

A study of the principles as applied to mechanical work on the farm, including gas and diesel engines, field machinery and equipment, selection and cost of farm machinery. Laboratory practice in adjustment, operation, servicing and housing farm machinery, welding as applied to farm machinery and equipment. Lecture: 1 hour per week. Laboratory: 4 hours per week. Prerequisite: AGRI 2311 or consent of instructor.

**AGRI 3324 SOIL AND WATER
MANAGEMENT (3)**

A study of the farm shop as related to rural conditions with practical laboratory application; emphasis on simple drawing, blue print reading, leveling terracing, irrigation, drainage, pond and lagoon construction, sewage disposal and sanitation practices as related to the farm and rural home, fencing and measuring land in farm layouts, repair and construction. Lecture: 1 hour per week. Laboratory 4 hours per week. Prerequisite: AGRI 2331 or consent of instructor.

**AGRI 3325 AGRICULTURAL
MARKETING (3)**

A study of the marketing system and processes for agricultural products; involves the functions, institutions and behavior of key agents in the system. Lecture: 3 hours per week. Prerequisite: AGRI 2312.

**AGRI 3326 SCIENCE OF CROP
PRODUCTION (3)**

Basic principles and practices of crop production and management, factors affecting production and protection of crops, crop classification, innovations in Agronomy and Agro-Forestry, and economic importance of crop production in global perspectives. Lecture: 2 hours per week. Laboratory: 2 hours per week. Even years, Fall semester. Prerequisites: AGRI 1421 and AGRI 2331.

**AGRI 3327 INTRODUCTORY
ENTOMOLOGY (3)**

Emphasis is placed on insect anatomy, physiology, classification, ecology and identification of the insect orders. Laboratories consist of field trips and laboratory examination of collected insects. Lecture: 2 hours per week. Laboratory: 2 hours per week.

AGRI 3334 SOIL PHYSICS (3)

Physical make-up and properties of soils, including structure, water, temperature, aeration, consistency and their relationships. Principles and methods of physical analysis of soils. Application of soil physics in agriculture. Odd year, Spring semester. Lecture: 2 hours per week. Laboratory 2 hours per week. Prerequisites: AGRI 2331, MATH 1330 and PHYS 2410.

AGRI 3341 LIVESTOCK PRODUCTION (3)

Covers beef cattle, swine and dairy cattle in modern agriculture. This includes breeding, feeding, management practices, judging, control of diseases and parasites, and commercial systems of production. Odd years, Spring semester. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: AGRI 1321, BIOL 1455 and CHEM 1440.

AGRI 3350 GENETICS (3)

Designed to acquaint the students with the genetic make-up of animals and plants. Emphasis placed on the Mendelian Theory as a basis for breeding work. Selection in breeding and crossbreeding discussed from a genetic point of view. Even years, Spring semester. Lecture: 3 Lecture hours per week.

Prerequisites: BIOL 1455 or BIOL 1460 or BIOL 1470.

AGRI 3351 BIOSTATISTICS (3)

Covers statistical theory through practical examples rather than mathematical proofs. The materials covered include computations, applications, and interpretations of statistical procedures commonly used in the biological sciences. Lecture: 3 hours per week. Prerequisites: College Algebra Math 1330.

AGRI 3352 INTRODUCTION TO EPIDEMIOLOGY (3)

A study of distribution of diseases in human pollution to (1) describe more completely the natural history of the disease, (2) assist the public health importance of the disease, (3) identify factors in etiology of disease, and (4) evaluates procedures for preventing the spread of disease.

AGRI 3399 MAN, ENVIRONMENT & POLLUTION (3)

An introductory course designed to study interactions between man and his environment. Emphasis is placed on ecological principles, pollution problems, pollution crisis and the resulting depletion of natural resources, criteria for environmental quality and basic technological and social methods of protecting that quality. (Lecture: 3 hours per week.) WEB

AGRI 3431 SOIL SURVEY AND CLASSIFICATION (4)

The soil as a natural body, factors and processes of soil formation, morphology and classification, soil survey methods, and soil patterns are included. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisites: AGRI 2331 and AGRI 3301.

Includes relevant readings, class discussions and an interdisciplinary group research project and professional presentation. Submission of the SAFHS Student Portfolio is a requirement of the course. Lecture: 2 hours per week. Prerequisite: Senior students with 90 credits or approval from the department chair.

AGRI 4100 REGULATORY INTERNSHIP II (1)

Designed to provide a full summer of meaningful work experiences directly related to the activities of regulatory/compliance agency. The experience will enhance the student's educational program and provide hands-on job training with a specific regulatory agency. Prerequisites: Regulatory Internship I AGRI 3100 and approval of program director.

AGRI 4204 PROGRAM PLANNING & IMPLEMENTATION (2)

This course deals with the process of planning, developing, implementing, and evaluation of agricultural education courses and programs in public schools. The methods of establishing advisory council and program policies, community assessment and public relations, guidance, career exploration, special needs, FFA and SEA are the focus of the course.

AGRI 4202 SENIOR SEMINAR (2)

The Senior Seminar is a capstone course required of all Agriculture, Fisheries and Human Sciences majors. The Course explores the application of principles in the work place and student transition to careers and/or graduate school.

AGRI 4301 SOIL AND PLANT ANALYSIS (3)

Covers principles and methods of quantitative chemical analysis of soils and plants for available and total nutrients. Odd years, Fall semester. Lecture: 2 hour per week. Laboratory: 2 hours per week. Prerequisites: AGRI 2331 and AGRI 3301

**AGRI 4304 PLANT
PHYSIOLOGY (3)**

Lectures and discussions on physiological processes of plants, the factors influencing them and the relationship of these processes to plant behavior. Respiration, photosynthesis, transportation, etc., are explored in detail. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: AGRI 1421.

**AGRI 4307 POSTHARVEST
PHYSIOLOGY (3)**

Designed to outline the basic physiological and biochemical processes associated with senescence and storage conditions. Metabolic process in harvested products; stress in harvested products. The course covers factors affecting quality of fresh commodities in the field, storage, and in processing, covers the process of deterioration, protection of fresh commodities. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: BIOL 1455 or BIOL 1470, AGRI 1421, AGRI 2331.

AGRI 4311 FORAGE CROPS (3)

Covers the importance of forage crops, principles, production, utilization, management and environmental factors relating to them. Lecture: 2 hours per week. Laboratory 2 hours per week. Prerequisites: AGRI 1421/AGRI 2310.

**AGRI 4321 QUALITY
ASSURANCE OF MEAT & GRAIN
PRODUCTS (3)**

Designed to outline disease prevention and eradication measures, principles of meat grading and certification; safety and wholesomeness of meat, and the course covers the structures and functions of crop seeds used as food grains in the field, in storage and in processing, process of grain deterioration, protection of food grain quality, classification and grading of food grains according to the national standard and food safety regulations. Lecture: 2 hours per week. Prerequisites: BIOL 1450.

**AGRI 4331 RISK
COMMUNICATION AND
ASSESSMENT (3)**

Provide a general overview of principles and techniques related to Risk Assessment and Communications in regulatory environments. Students will understand the concepts of risk identification and assessment, and open risk communication. A number of risk assessment models will be explored and students will learn strategies for two-way exchange of information that will lead to better risk management decisions. Lecture: 3 hours per week.

AGRI 4352 AGRICULTURAL POLICY (3)

A study of policies adopted by governmental, agricultural, and other agencies to resolve problems and issues in the area of agricultural production and marketing. Lecture: 3 hours per week. Prerequisites: AGRI 2312 and 3325.

AGRI 4353 PHYSIOLOGY OF REPRODUCTION (3)

A study of endocrine and reproductive systems of farm animals. Hormonal control of reproduction and lactation. Even years, Spring semester. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: AGRI 1321.

AGRI 4361 INTERPERSONAL SKILLS AND NEGOTIATION TECHNIQUES (3)

A study of principles of effective communication, dynamics of interpersonal behavior and work related tasks that require various modes of communication. Students will develop self-awareness of preferences and interpersonal differences and an understanding, appreciation and greater tolerance of preferences and differences in others. The course will also include principles related to ethical conduct in conflict identification and resolution. Lecture: 3 hours per week. Spring semester, odd years.

Prerequisites: AGRI 4372 or concurrent enrollment in AGRI 4372 or consent of the instructor.

AGRI 4372 INVESTIGATIVE PROCEDURES AND TECHNIQUES (3)

Basic concepts of investigative procedures and techniques for regulatory agencies. Part I explores the legal basis for investigations. Part II focuses on the identification, collection, and protection of materials of evidential value. Students will be exposed to specialized techniques such as interviewing; note taking, report writing, photography; identification, collection and preservation of evidence. Part III covers the presentation of investigative results to adjudicative body. Lecture: 3 hours per week.

AGRI 4385 INDUSTRIAL, AGRICULTURAL, AND MUNICIPAL POLLUTION AND WASTE MANAGEMENT (3)

An applied science course focusing on educating students about pollution and waste treatment technologies using biological and chemical processes to clean up pollution will be studied. Field trips will be taken to observe both pollution and treatment processes. Focus will be water pollution (lakes and streams) and treatment. Prerequisites: Biology 1455 or Chemistry 1410 or consent of instructor.

AGRI 4386 GEOGRAPHIC INFORMATION SYSTEMS (GIS) AND WATERSHED MANAGEMENT (3)

This course introduces students to geographic information systems (GIS) applications including cartography, data structure, map overlays, and spatial analysis. This course approaches GIS in the context of environmental issues relating hydrology and watershed management, soil science, land-use planning, and conservation. Both GIS and GPS software/hardware are utilized in this course.

AGRI 4400 MOLECULAR BIOLOGY (4)

Molecular Biology provides an overview of basic molecular processes and recombinant DNA technologies that play an important role in forensics, therapeutics, drug discovery, agriculture etc. This includes: structure and function of DNA, RNA and proteins; DNA replication and repair processes; RNA synthesis and processing; protein synthesis and regulations; and basic recombinant DNA technology. Lecture: 3 hours per week. Laboratory: 2 hours per week. Even years fall semester. Prerequisites: Plant Science (AGRI 1421), Genetics (AGRI 3350) or Genetics (BIOL 3440), Plant Physiology (AGRI 4304), Introduction to Agricultural Biotechnology (AGRI 2326), Cell Biology (BIOL 3480).

AGRI 4401 FOOD SCIENCE AND TECHNOLOGY (4)

Food Science and Technology provides a comprehensive application of up-to-date topics in food science and technology. This course covers the interdisciplinary nature of food science, including biology, engineering, chemistry, microbiology, nutrition and physics in major food commodities. Lecture: 3 hours per week. Laboratory: 2 hours per week. Prerequisites: CHEM 1430, CHEM 1440, and BIOL 1455 or by instructor's consent.

AGRI 4311 FARM MANAGEMENT (3)

A study of principles and problems in the organization and operation of a farm as a business unit, including types of farms, layouts, enterprise combinations, nature of farming, costs and adjustments to price changes. Lecture: 2 hours per week. Laboratory 2 hours per week. Prerequisites: AGRI 2312 and 3303.

AGRI 4V00 SPECIAL PROBLEMS (1-3)

Covers special problems, policies, and investigations pertaining to agriculture. This course is independent study usually with the student's advisor.

**Curriculum for Bachelor of Science in Agriculture Sciences
(Agricultural Economics Option – 120 Hours)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Prin. Biology I	BIOL	1455	4	Music History App.	MUSI	2330	OR
Animal Science	AGRI	1321	3	Art History App.	ART	2340	
Humanities	HUMN	2301	3	Intro. Soc. Science	SOCI	1320	3
Personal & Soc. Dev.	BAS	1210	2	Career & Life Planning	BAS	1120	1
Physical Education	HLPE	1110	1	College Algebra	MATH	1330	3
				*Nutrition & Wellness	HUSC	1311	OR
				Pers. Health/Safety	HLPE	1310	3
			16				13
SOPHOMORE YEAR							
Amer. Government	PSCI	2312	OR	Elective	MATH		3
U. S. HIST	HIST	2315	3	*Principles of Chemistry I	CHEM	1430	OR
Intro. to Ag. Eng. Tech.	AGRI	2311	3	Physical Science	CHEM	1411	4
Oral Communication	ENGL	2390	3	Intro. to Literature	ENGL	2300	3
Prin. Agri. Economics	AGRI	2312	3	Plant Science	AGRI	1421	4
General Psychology	PSYC	2300	3	Art History App.	ART	2340	3
			15				17
JUNIOR YEAR							
Business Elective	BUSI		3	Agriculture Cooperatives	AGRI	2301	3
Principle of Accounting	ACCT	2311	3	Prin. Of Accounting II	ACCT	2323	3
Intro. to Statistics	MATH	2370	3	Agriculture Finance	AGRI	3330	3
Prin. of Economics II	ECON	2320	3	Business Statistics I	ECON	3311	3
Computer Sci. Elective	CPSC		3	Elective			3
			15				15
SENIOR YEAR							
Agriculture Marketing	AGRI	3325	3	Hist. of Econ. Thought	ECON	43122	3
Farm Management	AGRI	4311	3	Agriculture Policy	AGRI	4352	3
Microeconomics	ECON	3300	3	Macroeconomic Theory	ECON	4330	3
Intro. to Int'l Trade	ECON	4305	3	Senior Seminar	AGRI	4202	2
Elective			3	Elective			3
			15				14
* Preferred Courses				Total		120 hrs.	

**Curriculum for Bachelor of Science in Agriculture Sciences
(Plant and Soil Science Option-120 hours)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Prin. Biology I	BIOL	1455	4	General Botany	BIOL	1470	4
Animal Science	AGRI	1321	3	Intro to Soc. Science	SOCI	1320	3
Humanities	HUMN	2301	OR	Career & Life Planning	BAS	1120	1
Eff. Thinking-Logic	HUMN	2340	3	College Algebra	MATH	1330	3
Personal & Soc. Dev.	BAS	1210	2	Personal Health/Safety	HLPE	1310	OR
Physical Education	HLPE	1110	1	Nutrition and Wellness	HUSC	1311	3
			16				17
SOPHOMORE YEAR							
Prin. Agri. Economics	AGRI	2312	3	Plant Science	AGRI	1421	4
General Physics I	PHYS	2410	4	Chemistry II	CHEM	1440	4
General Chemistry I	CHEM	1430	4	Intro to Literature	ENGL	2300	3
Oral Communication	MCOM	2390	3	Music App. & History	MUSI	2330	OR
Physical Education	HLPE	1111	1	Art App. & History	ART	2340	3
			15				14
JUNIOR YEAR							
Organic Chemistry I	CHEM	2411	4	Genetics	AGRI	3350	3
Intro to Soils	AGRI	2331	3	Soil Fertility	AGRI	3301	3
Vegetable Production	AGRI	3313	OR	Intro. Entomology	AGRI	3327	3
Small Fruit Production	AGRI	3304	3	Ornamental Horticulture	AGRI	3314	3
Weed Science	AGRI	3306	3	Upper Level Science Elective			3
Plant Pathology	AGRI	2310	3				
			16				15
SENIOR YEAR							
Science of Crop Prod	AGRI	3326	3	Biostatistics	AGRI	3351	3
Soil Physics	AGRI	3334	OR	Man, Env. & Pollution	AGRI	3399	3
Soil Survey & Classif.	AGRI	3432	3	Upper Level Elective	AGRI		3
Plant Physiology	AGRI	4304	3	Upper Level Elective	AGRI		3
Intro Biotechnology	AGRI	2326	3	Senior Seminar	AGRI	4202	2
Special Problem	AGRI	4V00	1				
			13	Total 120 hrs.			14

**Curriculum for Bachelor of Science in Agriculture Sciences
(Animal Science Option)**

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER			
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3	
Principles of Biology I	BIOL	1455	4	General Zoology	BIOL	1460	4	
Animal Science	AGRI	1321	3	Intro to Soc. Science	SOCI	1320	3	
Humanities	HUMN	2301	OR	Career & Life Planning	BAS	1120	1	
Eff. Thinking-Logic	HUMN	2340	3	College Algebra	MATH	1330	3	
Personal & Soc. Dev.	BAS	1210	2	Personal Health/Safety	HLPE	1310	OR	
Physical Education	HLPE	1110	1	Nutrition and Wellness	HUSC	1311	3	
			16				17	
			SOPHOMORE YEAR					
American Government	PSCI	2312	3	Plant Science	AGRI	1421	4	
General Physics I	PHYS	2410	4	General Psychology	PSYC	2300	OR	
General Chemistry I	CHEM	1430	4	Principles of Economics I	ECON	2310	3	
Oral Communication	MCOM	2390	3	General Chemistry II	CHEM	1440	4	
Physical Education	HLPE	1111	1	Intro to Literature	ENGL	2300	3	
				Music App. & History	MUSI	2330	OR	
				Art App. & History	ART	2340	3	
			15				17	
			JUNIOR YEAR					
Prin. Agri. Economics	AGRI	2312	3	Poultry Production	AGRI	1322	3	
Organic Chemistry	CHEM	3410	4	Elective	MATH		3	
Comparative Anatomy	BIOL	3460	4	Intro. Entomology	AGRI	3327	3	
College Grammar	ENGL	3301	3	Man, Env. & Pollution	AGRI	3399	3	
				Upper Level Science Elective			3	
			14				15	
			SENIOR YEAR					
Farm Management	AGRI	4311	3	Genetics	AGRI	3350	3	
Quall/Assur/Meat/Grain	AGRI	4321	3	Livestock Production	AGRI	3341	3	
Animal Nutrition	AGRI	3310	3	Physiol. of Reproduction	AGRI	4353	3	
Upper Level Science Elective			3	Upper Level Science Elective			3	
Total 120 hrs.				Senior Seminar	AGRI	4202	2	
			12				14	

Curriculum for Bachelor of Science in Agriculture Education

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Prin. of Biology	BIOL	1455	4	Career & Life Planning	BAS	1120	1
Foundation of Ed.in Ag InAAg.	AGRI	1301	3	General Botany	BIOL	1470	4
Science of Animals	AGRI	1321	3	Col. Algeb. <u>OR</u> Col. Trig.	MATH 1330	1330/1340	3
Personal & Soc. Dev.	BAS	1210	2	Personal Health/Safety	HLPE	1310	3
Ag. Education Seminar	AGRI	3101	1	Physical Education	HLPE	1111	1
			16				15
SOPHOMORE YEAR							
Survey of Exp. Child	SPED 22	2200	2	U.S. Hist to 1877 <u>OR</u> U.S. Hist since 1877	HIST	2315/2318	Or
Oral Communication	ENGL	2309	3	American Government	PSCI	2312	3
Intro. to Ag. Engineering	AGRI	2311	3	Plant Science	AGRI	1421	4
Prin. Agri. Economics	AGRI	2312	3	Phyc. Sci. <u>OR</u> Gen Chem	CHEM	1411/1430	4
Humanities	HUMN	2301	3	Ag. Eng. Tech I	AGRI	2325	3
Special Problems	AGRI	4v00	2	Art Apprec. & History	ART	2340	Or
				Music Hist. & Apprec.	MUSI	2330	3
			16				17
JUNIOR YEAR							
Intro to Soil	AGRI	2331	3	Soil and Water Mgmt.	AGRI	3324	3
Sci of Crop Production	AGRI	3326	3	Meth. Med & Tech of Teaching Ag.	AGRI	3307	3
Rural Electrification	AGRI	3231	2	Prog. Planning & Impl.	AGRI	4204	2
Intro to Literature	ENGL	2300	3	Senior Seminar	AGRI	4201	2
Ag. Eng. Tech II	AGRI	3316	3	Health Edu <u>OR</u> Saf. Edu	HLPE	3224/3225	2
General Psychology	PSYC	2300	3	Livestock Production	AGRI	3341	3
			17				15
SENIOR YEAR							
*Psy. Of Learn/ & Tech	EDUC	3302	3	* Student Teaching Clinical	EDUC	4600	6
World Regional Geog	GEOG	2360	3	* Stud. Tech Ag Ed Practicum	VOED	4602	6
Assessing Mid/Sec Lear	EDUC	3306	3				
*Classroom Beh. & Mgmt	SPED	3303	3				
			12				12

Minimum Cumulative GPA 2.75

*Passing on either PPST or the BCBT as follows: PPST: Reading – 172; Writing – 173; Mathematics – 171

*Requires admission to School of Education -- Total 120 hrs.

Curriculum for Bachelor of Science Regulatory Science-Agricultural Science Option

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Principles of Biology	BIOL	1455	4	General Zoology	BIOL	1460	4
College Algebra	MATH	1330	3	Plant Science	AGRI	1421	4
Physical Education	HLPE	1110-1125	1 or	Personal & Social Development	BAS	1210	2
Learning to Lead	MLSC	1210		Introduction to Social Science	SOCI	1320	3
Regulatory Science Seminar	AGRI	1101	1				
Career & Life Planning	BAS	1120	1				
			13				18
SOPHOMORE YEAR							
General Chemistry I	CHEM	1430	4	General Chemistry II	CHEM	1440	4
Music Appreciation	MUSI	2330	3 or	Humanities	HUMN	2301	3
ART 2340, THTR 2324, HUMN 2340				American Government	PSCI	2312	3
U.S. History to 1877	HIST	2315	3 or	Oral Communication	MCOM	2390	3
U.S. History Since 1877	HIST	2318		Plant Pathology	AGRI	2310	3
Introduction to Literature	ENGL	2300	3 or				
ENGL 2360, ENGL 2361							
Personal Health & Safety	HLPE	1310	3				
			16				16
NOTE: The student must have a 2.80 G.P.A. to obtain assistance with placement in the following Summer program.							
SUMMER: Regulatory Internship I AGRI 3100 1							
NOTE: The above Regulatory Internship is a prerequisite for the remaining courses.							
JUNIOR YEAR							
General Physics	PHYS	2410	4	Managing Environment & Pollution	AGRI	3399	3 or
Principles of Agri. Economics	AGRI	2312	3	Ecology	BIOL	2360	
Agriculture Elective	AGRI		3	Introduction to Epidemiology	AGRI	3352	3
Administrative Law & Government Reg.	AGRI	3312	3	Biostatistics	AGRI	3351	3
Introductory Soils	AGRI	2331	3	Introductory to Entomology	AGRI	3327	3
				Regulatory Science Internship I			1
				Agriculture Elective	AGRI		3
			16				16
SENIOR YEAR							
Risk Comm. & Assessment	AGRI	4331	3	Investment Pro. & Tech.	AGRI	4372	3
Quality Assurance of Meat	AGRI	4321	3	Agriculture Elective	AGRI		3
Agriculture Elective	AGRI		3	Senior Seminar	AGRI	4202	2
Industrial Agri. Municipal Pollution	AGRI	4385	3	Interpersonal Skills*	AGRI	4361	3
Codes Specifications & Law	TECH	2318	3	General Elective			1
Total 120 hrs.			15				12

Curriculum for Bachelor of Science Regulatory Science-Environmental Biology Option

FALL SEMESTER

SPRING SEMESTER

FRESHMAN YEAR

English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Principles of Biology	BIOL	1455	4	General Zoology	BIOL	1460	4
College Algebra	MATH	1330	3	General Botany	BIOL	1470	4
Intro to Soc. Science	SOCI	1320 or 1310	3	Trigonometry	MATH	1340	3
Agri. Science Seminar	AGRI	1101	1	Career & Life Planning	BAS	1120	1
Personal & Social Dev.	BAS	1210	2				
			<u>16</u>				<u>15</u>

SOPHOMORE YEAR

General Chemistry I	CHEM	1430	4	General Chemistry II	CHEM	1440	4
Humanities	HUMN	2301	3	Art App. & History	ART	2340 or 2330	3
Microcomputer	MIS	1312	3	Oral Communication	MCOM	2390	3
U.S. History to 1865	HIST	2315 or 2318	3	American Government	PSCI	2312	3
Intro to Literature 2360	ENGL	2300	3	Personal Health & Safety	HLPE	1310	3
Physical Education	HLPE	1110-25	1				
			<u>17</u>				<u>17</u>

NOTE: The student must have a 2.80 G.P.A. to obtain assistance with placement in the following Summer program.

SUMMER: Regulatory Internship Experience

NOTE: AGRI 3100 can only be taken after an actual internship has been fulfilled.

JUNIOR YEAR

General Physics I	PHYS	2410	4	General Physics II	PHYS	2420	4
Inorganic Chemistry	CHEM	3410	4	General Microbiology	BIOL	3470	4
Admin. Law & Gov. Pro	AGRI	3312	3	Regulatory Internship I	AGRI	3100	1
Statistics & Spec. & Law	TECH	2318	3	Ecology	BIOL	2360	3
Introduction to Soils	AGRI	2321	3				
			<u>17</u>				<u>12</u>

SENIOR YEAR

Public Comm. & Assessment	AGRI	4331	3	Intro. to Epidemiology	AGRI	3352	3
Senior Seminar	AGRI	4201	2	Invest. Pro. & Techniques	AGRI	4372	3
Selected Electives			3-4	Plant Taxonomy	BIOL	4350	3
Industrial Agri. Mun. Poll**	AGRI	4385	3	Interpersonal Skills*	AGRI	4361	3
Intro to Entomology	AGRI	3327	3				
			<u>14</u>				<u>12</u>

Total 120 hrs.

* Spring Odd Years

** Fall Odd Years

**Curriculum for Bachelor of Science
Regulatory Science-Industrial Health and Safety Option
(Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition III	ENGL	1321	3
Principles of Biology	BIOL	1455	4	Intro to Manufacturing	TECH	1360	3
College Algebra	MATH	1330	3	Trigonometry	MATH	1340	3
Reg. Science Seminar	AGRI	1101	1	General Psychology	PSYC	2300	3
Physical Education or Learning to Lead	HLPE/MLSC	1110/1210	1	ART 2340/ MUSI 2330 THTR 2324/ HUMN2340	ART /MUSI/THTR/ HUMN		3
Personal & Social Dev.	BAS	1210	2				
			14				15
SOPHOMORE YEAR							
Gen. Chemistry I	CHEM	1430	4	U.S. History	HIST	2315/ 2318	3
Humanities	HUMN	2301	3	Ind. Safety Mgmt.	TECH	1301	3
Career & Life Planning	BAS	1120	1	Gen. Chemistry II	CHEM	1440	4
Lit. 2300, 2360, 2361	ENGL		3	American Government	PSCI	2312	3
Intro. Elec. Fundament	TECH	1330	3	Oral Communication	MCOM	2390	3
			14				16
<p>NOTE: The student must have a 2.80 G.P.A. to obtain assistance with placement in the following Summer program. SUMMER: Regulatory Internship Experience NOTE: AGRI 3100 can only be taken after an actual internship has been fulfilled.</p>							
JUNIOR YEAR							
Personal Health & Safe	HLPE	1310	3	Occ. & Env. Health	TECH	3370	3
General Physics I	PHYS	2410	4	Epidemiology	AGRI	3352	3
Intro. to Statistics	MATH	2370	3	General Physics II	PHYS	2420	4
Admin. Law & Gov. Proc	AGRI	3312	3	Quality Control	TECH	4307	3
Reg. Sci. Internship	AGRI	3100	1	Prin. of Management	MGMT	3300	3
			14				16
SENIOR YEAR							
Risk Comm. & Ass	AGRI	4331	3	Senior Sem.	AGRI	4202	2
Organic Chemistry I	CHEM	3410	4	Invest. Proc. & Tech	AGRI	4372	3
Code. Spec. & Law	TECH	2321	3	Organic Chemistry II	CHEM	3420	4
Indust. Ag. Munic. Poll.	AGRI	4385	3	Man, Env. & Poll	AGRI	3399	3
Prin. of Ergonomics	TECH	3310	3	Interper. Skills*	AGRI	4361	3
			16				15

Curriculum for Bachelor of Science in General Agriculture

FALL SEMESTER			SPRING SEMESTER		
FRESHMAN YEAR					
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Principles of Biology	BIOL	1455	4	Career & Life Planning	BAS 1120 1
Foundations of Education in Agri.	AGRI	1301	3	General Botany	BIOL 1470 4
Science of Animals	AGRI	1321	3	College Algebra OR College Trig.	MATH 1330/1340 3
Personal & Social Development	BAS	1210	2	Personal Health/Safety	HLPE 1310 3
Physical Education Seminar	AGRI	3101	1	Physical Education	HLPE 1111 1
			<u>16</u>		<u>15</u>
SOPHOMORE YEAR					
Survey of the Exceptional Child	SPED 22	2200	2	U.S. Hist. to 1877 OR U.S. Hist. since 1877	HIST 2315/2318 OR
Oral Communication	ENGL	2309	3	American Government	PSCI 2312 3
Intro to Agri. Engineering	AGRI	2311	3	Plant Science	AGRI 1421 4
Principles of Agri. Economics	AGRI	2312	3	Physical Science OR General Chemistry	CHEM 1411/1430 4
Humanities	HUMN	2301	3	Agri. Engineering Tech I	AGRI 2325 3
Social Problems	AGRI	4v00	2	Art Appreciation & History	ART 2340 OR
				Music History & Appreciation	MUSI 2330 3
			<u>16</u>		<u>17</u>
JUNIOR YEAR					
Introduction to Soil	AGRI	2331	3	Soil and Water Management.	AGRI 3324 3
Science of Crop Production	AGRI	3326	3	Methods of Med. & Technology of Teaching Agri.	AGRI 3307 3
Rural Electrification	AGRI	3231	2	Program Planning & Implementation	AGRI 4204 2
Introduction to Literature	ENGL	2300	3	Senior Seminar	AGRI 4201 2
Agri. Engineering Tech II	AGRI	3316	3	Health Edu OR Safety Education	HLPE 3224/3225 2
General Psychology	PSYC	2300	3	Livestock Production	AGRI 3341 3
			<u>17</u>		<u>15</u>
SENIOR YEAR					
Psychology of Learning & Tech	EDUC	3302	3	Students must take 12 credits of Science Agriculture Courses	
World Regional Geography	GEOG	2360	3	Hrs. of recommended agriculture	
Assessing Middle/Secondary Learning	EDUC	3306	3	Science courses to replace	
Classroom Behavioral & Management	SPED	3303	3	EDUC 4600 & VOED 4601	
			<u>12</u>		<u>12</u>

120 hrs.

Department of Aquaculture and Fisheries

**Rebecca Lochmann, Interim
Chair**

Professors

Rebecca Lochmann
Steve Lochmann

Associate Professors

Larry Dorman (Extension)
Michael Eggleton
Alf Haukenes
Anita Kelly (Extension)
Lin Xie

Assistant Professors

Uttam Deb
Luke Roy (Extension)
George Selden (Extension)
Amit Sinha

Instructors

Scott Jones
Matt Recsetar (Extension)

The UAPB Aquaculture & Fisheries Center of Excellence

is an academic, research and Extension Center dedicated to the development and transfer of timely, problem-solving information. The Center's primary mission is to respond to immediate and future needs of the state's aquaculture industry, and fisheries and aquatic resource managers through quality teaching, research and Extension programs. Primary beneficiaries of

the Center's activities are students, aquaculture producers, aquaculture support industries, farm pond owners, fisheries and aquatic resource managers, sportsmen, and other residents of Arkansas.

The center is dedicated to (1) applied and basic aquaculture and natural fisheries research; (2) dissemination of scientifically validated research results through Extension and advanced educational techniques that contribute to the economic development of Arkansas, the Delta region in particular; (3) the aquaculture industry of Arkansas; and (4) the responsible conservation and management of Arkansas' natural fisheries and other aquatic resources.

The Aquaculture/Fisheries Center of Excellence at UAPB is recognized as a leader in aquaculture and fisheries teaching, research, and Extension programs. It is the only comprehensive aquaculture program within the University of Arkansas system to support the nation's second-largest aquaculture producing state, with an economic impact of nearly \$400 million annually. Additionally, the Center contains a natural fisheries component that provides scientifically-based management support to the state's recreational fishing industry, which has an economic impact of over \$750 million annually.

The Department of Aquaculture and Fisheries is the administrative unit for the academic programs in aquaculture and fisheries sciences at UAPB. The Department and the Center are administered conjointly and function together as an integrated unit. The three principal academic programs offered in the Department of Aquaculture and Fisheries are the B.S. Degree in Aquaculture and Fisheries Sciences, the M.S. Degree in Aquaculture/ Fisheries, and the Ph.D. Degree in Aquaculture/ Fisheries. The B.S. Degree has four different options available for students to facilitate tailoring of the degree towards specific career goals. These options include General, Fisheries Science, Aquaculture, and Aquaculture & Seafood Business. Complete information on the M.S. and Ph.D. Degrees is included in the catalog of Graduate Studies.

Objectives of the Department of Aquaculture and Fisheries' B.S. Degree Program in Aquaculture and Fisheries Sciences (all options):

1. To educate students to acquire critical aquaculture skills to prepare them for employment in the fish farming industry, fish processing plants, fish feed

mills, and in other aquaculture support industries

2. To educate students in essential areas of fisheries management, aquatic ecology, natural resources conservation, and related environmental fields for employment with state and federal natural resource agencies or in the private sector
3. To educate students in key areas of the seafood business industry, including training in management, economics, finance, marketing, and accounting, for employment in the seafood business sector
4. To prepare students in the disciplines of aquaculture, fisheries, aquatic ecology, and related environmental fields who can pursue graduate degrees in diverse areas of study that include aquaculture, fisheries, agriculture, veterinary science, toxicology, ecology, food science, agricultural and natural resource economics, and related fields

Facilities

The Department of Aquaculture and Fisheries is housed on the second floor of Woodard Hall, which was originally built in 1950 and renovated in 2004-2005. This building houses the Center Director, faculty, research support staff, administrative and clerical staff, and graduate students. This building has a computerized teaching classroom outfitted with modern interactive teaching software. The Department also has a computer laboratory for undergraduate students, a departmental library, a conference room, and a work area for computer service and maintenance.

UAPB owns and operates a 70-acre Aquaculture Research Station located on the UAPB campus. The station includes 113 earthen ponds ranging in size from 0.1 to 0.5 acres each. Twenty of the 0.1-acre ponds are enclosed in bird-netting for baitfish studies. A 5-acre reservoir used for water storage is located adjacent to the station along Caney Bayou, with additional water supplied by both shallow and deep irrigation wells. Electric power is available for all ponds. Forty 8-foot diameter polypropylene outdoor tanks are used for fish health, nutrition, and water quality studies. A fish holding facility that consists of eight roof-covered vats (17'x 4'x 3')

on a 1,600 square-foot concrete slab is used for fish health, grading, and teaching purposes. A three-part 5,400 square-foot main hatchery building houses tanks and aquaria of various sizes and associated support equipment for research purposes. These facilities also can be customized for different research applications. Since 2011, 39 of the station's ponds have been completely renovated, with six ponds converted into three experimental split-pond systems.

Other facilities at the station include the Value-Added Product Development and Demonstration (VAPDD) Building, the Aquaculture Equipment Development Building for research and development of new aquaculture equipment, and the Aquaculture Research and Development Laboratory for baitfish, plankton, water quality, and physiology research. Other storage buildings for feeds, chemicals, nets, tools, trucks, and farm equipment also are located on site.

UAPB also has an 871-acre farm north of Lonoke, Arkansas. This farm includes 200 acres of ponds (13 earthen ponds ranging in size from 10 to 29 acres), and eight electric wells. The ponds have been used as a demonstration unit for aquaculture and natural fisheries research and Extension education.

The S. J. Parker 1890 Extension Complex houses offices, a research library, the 122-seat S.A. Haley Auditorium, and additional research laboratories. The UAPB Fish Disease Diagnostic Laboratory is located within this complex. This 1,153 square-foot laboratory is one of four laboratories operated by UAPB that specializes in fish health and disease research. The Lonoke Diagnostic Laboratory is located at the center of the U.S. bait and feeder fish industry. The Lake Village Diagnostic Laboratory serves the bulk of the Arkansas catfish industry. The Jonesboro Diagnostic Laboratory serves a diverse group of fish producers located in northeastern Arkansas. These four labs provide critical services and support to Arkansas' aquaculture industry. The lab on the UAPB campus serves as the main coordinating lab and provides advanced diagnostic services (histology, quantitative PCR, pathogen identification) to the other laboratories. In addition, this lab assists with research-related fish health problems from the other labs and ponds at the Aquaculture Research Station, and handles a significant number of fish disease cases from outside of Arkansas. The UAPB laboratory is USDA-APHIS approved to inspect fish shipments for export and is one of the most active labs in the USDA-APHIS Farm Certification Program. Similar USDA-APHIS certification

is pending for the Lonoke laboratory.

The **S. J. Parker Agricultural Research Complex** houses several research laboratories that support the Center. This building contains a 219 square-foot laboratory that is equipped for fish disease diagnosis. Another 700 square-foot laboratory contains facilities for immune response and stress research. Studies on fish nutrition are conducted in two separate labs, including a wet lab for feeding trials and a 1,000 square-foot analytical laboratory that contains a walk-in cooler/freezer, an ultra-cold freezer for sample storage, equipment for preparation of experimental diets, and instrumentation for analysis of feeds and tissues.

Support facilities for natural fisheries research include a 2,256 square-foot **Fisheries Research Laboratory** and a 2,400 square-foot boat storage facility. The Fisheries Research Laboratory contains a wet lab with five independent recirculation systems (eight 20-gallon aquaria per system) and twenty 170-L flow-through polytanks in a light-controlled environment. The lab also includes standard fish work-up facilities, freezer space, microscopes, and specialized equipment for fish ageing, fish tagging, ploidy manipulation, and fish taxonomy. The adjacent boat

storage building houses up to 10 research boats from 10-18 feet in length, with engines ranging from 5-70 hp. The department has two electrofishing boats, one barge electrofisher, two backpack electrofishing units, work boats for various types of standard sampling gears (e.g., trawls, gill nets, trap nets, fyke nets, hoop nets, seines, and larval tow nets).

The department has additional laboratory space available in the **Holiday Hall Applied Science Building**. Shared with the Department of Agriculture, this facility contains teaching and research laboratories with dissection and analytical equipment available. In addition, wet laboratories and associated tanks and aquaria are available for classroom exercises or individual student experiments. The building also contains a departmental fish collection.

Requirements for B.S. Degree

The Bachelor of Science degree in Aquaculture and Fisheries Sciences requires 120 semester hours. This includes 57 hours of general education, institutional requirements, and general electives in addition to 32 hours of coursework in aquaculture and fisheries, and 31 hours of supporting coursework in biology, chemistry, and physics. The department currently has an

approximately 3:1 student:faculty ratio that allows for smaller class sizes and is conducive to individual-based instruction. This curriculum meets guidelines established by the American Fisheries Society and the U.S. Aquaculture Society for undergraduate degree programs in aquaculture and fisheries.

Options for B.S. Degree

The B.S. Degree has four different options available for undergraduate students. These options are designed to enable tailoring the degree's coursework towards specific career goals, including graduate study. These options include General, Fisheries Science, Aquaculture, and Aquaculture & Seafood Business. The General, Fisheries Science, and Aquaculture options are similar and differ only by 1-2 courses. The Aquaculture & Seafood Business option is much different. This option contains fewer science courses, and emphasizes business and math courses. Specifically, students in this option are required to take one or more courses in business management, economics, marketing, finance, accounting, computer science, statistics, and Calculus I. Students desiring this option need to identify themselves during their freshman year so that appropriate advising can be begun with the sophomore year.

Aquaculture and Fisheries Science (AQFI) Courses

AQFI 1102 TOPICS IN AQUACULTURE AND FISHERIES (1 credit)

An introductory course that presents the broad spectrum of careers in the fields of aquaculture and fisheries biology to the student. Guest speakers, on-campus visits, and field activities are emphasized. Recommended for first-term freshmen that have declared an Aquaculture and Fisheries Sciences major. Lecture: 1 hour per week. No prerequisite. Offered fall term.

AQFI 2253/2153 BIOLOGY OF FISHES (3 credits)

Professionals in all fish-related fields must be able to spawn fish, keep fish healthy, understand how fishes interact with their environment, and recognize evolutionary relationships among fishes. Students learn about fish anatomy and physiology, and apply the concepts to real-world challenges facing fisheries biologists, hatchery managers, and fish farmers. Laboratory exercises include one dissection lab and three labs for developing a group presentation. Lecture: 2 hours per week. Laboratory: 2

hours per week. No prerequisite. Offered fall term.

AQFI 2247/2147 FISHERIES TECHNIQUES (3 credits)

An introduction to the methods and techniques used in the collection of fishes and fisheries data. The course overviews standard techniques that a practicing fisheries manager would use during their career. Students work with various sampling gears, operating procedures, analytical techniques, and considerations of using such equipment and procedures. Lecture: 2 hours per week. Laboratory: 2 hours per week. No prerequisite. Offered fall term.

AQFI 2329/2129 AQUACULTURE (4 credits)

An introduction to the principles and practices of aquaculture. Field trips to fish farms, processing plants, and research facilities are included. Laboratory exercises in fish disease, water quality assessment, and pond management are emphasized. Lecture: 3 hours per week. Laboratory: 2 hours per week. No prerequisite. Offered spring term.

AQFI 2462 ICHTHYOLOGY (4 credits)

An introductory course pertaining to the classification, taxonomy, identification, and distribution of selected freshwater and marine fishes. Lecture: 3 hours per week. Laboratory: 2 hours per week. Prerequisites: BIOL 1460 (Zoology) or AQFI 2253/2153 (Biology of Fishes). Offered spring term.

**AQFI 2601, 2602, 2603
AQUACULTURE AND
FISHERIES INTERNSHIP (6 credits)**

These credits can be earned by Aquaculture and Fisheries Sciences majors enrolled in a bonafide summer internship in aquaculture, fisheries, or a related field. The course is administered by the UAPB Career Services office in conjunction with the AQFI department. A student can count only 6 of these credits towards the 120 credits being used to satisfy their B.S. degree. Prerequisite: Enrollment with Career Services and consent of the AQFI Undergraduate Coordinator. No coursework prerequisites; students must meet minimum GPA requirement. Offered summer term.

AQFI 3329 LIMNOLOGY (3 credits)

Students study the physical and chemical aspects of inland waters as they pertain to aquatic biota, including both plant and animal life. In addition, students are introduced to aquatic biology and ecology. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: BIOL 1455 (Principles of Biology). Offered fall term.

**AQFI 3360 HATCHERY
MANAGEMENT (3 credits)**

This course covers the principles of fish hatchery management that are applicable to many species of fishes and invertebrates. Principles include those related to hatchery requirements and operation, broodstock selection, spawning, egg handling and incubation, nutrition and feeding, disease management, and transportation. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: AQFI 2329/2129 (Aquaculture). Offered spring term even years.

**AQFI 3371 FISHERIES
MANAGEMENT (3 credits)**

An extension of Fisheries Techniques AQFI 2247/2147.

This course integrates the methods used to collect fishes and fisheries data with techniques and approaches used to manage natural or “wild” fisheries.

Methods of harvest and population manipulation are discussed within the context of common fisheries management issues. Case histories from selected fisheries outside of Arkansas also will be reviewed. Lecture: 3 hours per week. No prerequisite. Offered spring term.

AQFI 4201 SENIOR SEMINAR (2 credits)

A capstone seminar course that explores recent developments in aquaculture, fisheries, agriculture, and human sciences. Course includes relevant readings, class discussions, guest speakers, and a group project. Course is taught jointly with Agriculture and Human Sciences senior seminar courses. Lecture: 2 hours per week.

Prerequisite: Aquaculture and Fisheries Sciences major with senior status, or consent of the instructor. Offered spring term.

**AQFI 4322 ECONOMICS OF
AQUACULTURE AND
NATURAL RESOURCES (3 credits)**

Aquaculturists need understanding of the basic types of economic and financial analysis to learn to manage aquaculture businesses.

Students will learn to develop, interpret, and utilize enterprise budgets, balance sheets, income statements, cash flow budgets, loan amortization, and investment analysis. The course also discusses current economic issues related to natural resources, the analytical methods used to estimate values of natural resources, and approaches for analyzing policy alternatives. Fisheries biologists will benefit from understanding how to value natural resources and interpret results of travel cost and contingent valuation analyses. Lecture: 3 hours per week. Prerequisite AQFI 2329/2129 (Aquaculture). Offered fall term even years.

AQFI 4323 MARKETING AND PUBLIC RELATIONS IN AQUACULTURE AND RESOURCE MANAGEMENT (3 credits)

Students will learn to apply key marketing concepts to develop marketing strategies, as well as describe the margins, volumes, and product forms prevalent in major marketing channels. Students also will learn to analyze recent market trends, and understand the fundamentals of international trade in seafood and resulting trade conflicts. A study of the theory and practice of public relations, how public relations operate in organizations, its impact on the public, and its functions in society. The course also will focus on concepts, issues, and principles in practice; as well as models and theories guiding the practice. Lecture: 3 hours per week. No prerequisite. Offered fall term odd years.

AQFI 4336 AQUATIC ANIMAL NUTRITION (3 credits)

An overview of the metabolism and nutritional requirements of fishes and other aquatic animals. Subjects covered include proteins, carbohydrates, lipids, vitamins, minerals, and feed supplements. Basic biochemical concepts of nutrient utilization will be introduced and discussed, including details of practical diet

formulation and feeding in select aquaculture species. Emphasis placed on differences between nutrient requirement and use of aquatic animals versus terrestrial ones. Lecture: 3 hours per week. Prerequisites: CHEM 1430 (General Chemistry I). Offered fall term.

AQFI 4350 FISH GENETICS (3 credits)

An overview of fish genetics with emphasis on practical applications for aquaculture and fisheries. Students will learn about heredity and the resulting physical traits, and explore genetic manipulation as it applies to aquaculture and fisheries. Population genetics of natural and aquaculture species will also be discussed. Lecture: 3 hours per week. Prerequisites: BIOL 1455 (Principles of Biology). Offered spring term odd years

AQFI 4V00 SPECIAL PROBLEMS (1-3 credits)

A directed readings, study, or research project course that allows the student to explore a particular topic of interest in aquaculture, fisheries, or related field. Completed under the supervision of a faculty member. Prerequisite: Consent of the Department Chair and course instructor. Offered fall, spring, and summer terms.

**Curriculum for Bachelor of Science in Aquaculture and Fisheries Sciences
General Track (120 hours)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311		English Composition II	ENGL	1321	3
Principles of Biology I	BIOL	1455	4	Principles of Biology II	BIOL	1456	4
College Algebra	MATH	1330	3	College Trigonometry	MATH	1340	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
Topics in Aquaculture & Fisheries	AQFI	1102	1	US History	HIST	2315/2318	<u>or</u>
Personal Health & Safety	HLPE	1310	<u>or</u>	American Government	PSCI	2312	3
Nutrition and Wellness	HUMN	1311	3	Swimming	HLPE	1112	1
		Totals	<u>16</u>			Totals	<u>15</u>
SOPHOMORE YEAR							
Oral Communication	MCOM	2390	3	Aquaculture	AQFI	2329	3
Music Appreciation	MUS	2330	<u>or</u>	Aquaculture Lab	AQFI	2129	1
Art Appreciation	ART	2340	3	Intro to Literature	ENGL	2300	3
Biology of Fishes	AQFI	2253	2	Intro to Humanities	HUMN	2301	3
Biology of Fishes Lab	AQFI	2153	1	General Chemistry II	CHEM	1440	4
General Chemistry I	CHEM	1430	4	Social Science elective*	See	below	3
General Zoology	BIOL	1460	4				
		Totals	<u>17</u>			Totals	<u>17</u>
JUNIOR YEAR							
Limnology	AQFI	3329	3	Fisheries Management	AQFI	3371	3
Social Science elective*	See	below	3	Ichthyology	AQFI	2462	4
Aquatic Animal Nutrition	AQFI	4336	3	Ecology	BIOL	2360	3
Fisheries Techniques	AQFI	2247	2	Free Electives**			6
Fisheries Techniques Lab	AQFI	2147	1				
Free Electives**			<u>3</u>				
			15			Totals	<u>16</u>
SENIOR YEAR							
Econ of Aqua. & Nat. Resources	AQFI	4321	<u>or</u>	Fundamentals of Organic Chemistry	CHEM	2412	<u>or</u>
Marketing & Pubic Rel. in Aqua.	AQFI	4322	3	Organic Chemistry I	CHEM	3410	4
General Physics I	PHYS	2410	4	Senior Seminar	AQFI	4201	2
Free electives**			5	Hatchery Management	AQFI	3360	<u>or</u>
				Fish Genetics	AQFI	4350	3
				Free electives**			<u>3</u>
		Totals	<u>12</u>			Totals	<u>12</u>

Aquaculture and Fisheries Internship courses: AQFI 2601, 2602, or 2603 – six credits each, credits taken with consent of UAPB

Career Services and course instructor***

Special Problems course available for AQFI majors: AQFI 4V00, ranges 1-3 credits****

*Students must select one from the following: HIST 1330/1340, HIST 2315/2318, GEOG 2360, PSCI 2312, PSYC 2300, SOCI 1320, SOCI 2310, ECON 2310/2320

**Students take free electives with advisor's consent

***Only one 6-credit course can count as a free elective towards the 120-credit degree requirement

****Variable credit course taken with consent of instructor and Department Chair

**Curriculum for Bachelor of Science in Aquaculture and Fisheries Sciences
Fisheries Science Track (120 hours)**

FALL SEMESTER			SPRING SEMESTER			
FRESHMAN YEAR						
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321	3
Principles of Biology I	BIOL	1455	4	Principles of Biology II	BIOL 1456	4
College Algebra	MATH	1330	3	College Trigonometry	MATH 1340	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS 1120	1
Topics in Aquaculture & Fisheries	AQFI	1102	1	US History	HIST 2315/2318	or
Personal Health & Safety	HLPE	1310	or	American Government	PSCI 2312	3
Nutrition and Wellness	HUMN	1311	3	Swimming	HLPE 1112	1
		Totals	16		Totals	15
SOPHOMORE YEAR						
Oral Communication	MCOM	2390	3	Aquaculture	AQFI 2329	3
Music Appreciation	MUS	2330	or	Aquaculture Lab	AQFI 2129	1
Art Appreciation	ART	2340	3	Intro to Literature	ENGL 2300	3
Biology of Fishes	AQFI	2253	2	Intro to Humanities	HUMN 2301	3
Biology of Fishes Lab	AQFI	2153	1	General Chemistry II	CHEM 1440	4
General Chemistry I	CHEM	1430	4	Social Science elective*	See below	3
General Zoology	BIOL	1460	4			
		Totals	17		Totals	17
JUNIOR YEAR						
Limnology	AQFI	3329	3	Fundamentals of Organic Chemistry	CHEM 2412	or
Social Science elective*	See	below	3	Organic Chemistry I	CHEM 3410	4
Fisheries Techniques	AQFI	2247	2	Fisheries Management	AQFI 3371	3
Fisheries Techniques Lab	AQFI	2147	1	Ichthyology	AQFI 2462	4
Free Electives**			6	Hatchery Management	AQFI 3360	or
				Fish Genetics	AQFI 4350	3
				Free Electives**		2
		Totals	15		Totals	16
SENIOR YEAR						
Econ of Aqua. & Nat. Resources	AQFI	4321	or	Senior Seminar	AQFI 4201	2
Marketing & Pubic Rel. in Aqua.	AQFI	4322	3	Hatchery Management	AQFI 3360	or
General Physics I	PHYS	2410	4	Fish Genetics	AQFI 4350	3
Free electives**			5	Ecology	BIOL 2360	3
				Free electives**		4
		Totals	12		Totals	12

Aquaculture and Fisheries Internship courses: AQFI 2601, 2602, or 2603 – six credits each, credits taken with consent of UAPB

Career Services and course instructor***

Special Problems course available for AQFI majors: AQFI 4V00, ranges 1-3 credits****

***Students must select one from the following: HIST 1330/1340, HIST 2315/2318, GEOG 2360, PSCI 2312, PSYC 2300, SOCI 1320, SOCI 2310, ECON 2310/2320**

****Students take free electives with advisor's consent**

*****Only one 6-credit course can count as a free elective towards the 120-credit degree requirement**

******Variable credit course taken with consent of instructor and Department Chair**

Curriculum for Bachelor of Science in Aquaculture and Fisheries Sciences Aquaculture Track (120 hours)

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Principles of Biology I	BIOL	1455	4	Principles of Biology II	BIOL	1456	4
College Algebra	MATH	1330	3	College Trigonometry	MATH	1340	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
Topics in Aquaculture & Fisheries	AQFI	1102	1	US History	HIST	2315/2318	or
Personal Health & Safety	HLPE	1310	or	American Government	PSCI	2312	3
Nutrition and Wellness	HUMN	1311	3	Swimming	HLPE	1112	1
Totals				Totals			
<u>16</u>				<u>15</u>			
SOPHOMORE YEAR							
Oral Communication	MCOM	2390	3	Aquaculture	AQFI	2329	3
Music Appreciation	MUS	2330	or	Aquaculture Lab	AQFI	2129	1
Art Appreciation	ART	2340	3	Intro to Literature	ENGL	2300	3
Biology of Fishes	AQFI	2253	2	Intro to Humanities	HUMN	2301	3
Biology of Fishes Lab	AQFI	2153	1	General Chemistry II	CHEM	1440	4
General Chemistry I	CHEM	1430	4	Social Science elective*	See	below	3
General Zoology	BIOL	1460	4				
Totals				Totals			
<u>17</u>				<u>17</u>			
JUNIOR YEAR							
Limnology	AQFI	3329	3	Fundamentals of Organic Chemistry	CHEM	2412	or
Social Science elective*	See	below	3	Organic Chemistry I	CHEM	3410	4
Fisheries Techniques	AQFI	2247	2	Fisheries Management	AQFI	3371	3
Fisheries Techniques Lab	AQFI	2147	1	Ichthyology	AQFI	2462	4
Aquatic Animal Nutrition	AQFI	4336	3	Hatchery Management	AQFI	3360	or
Free Electives**			3	Fish Genetics	AQFI	4350	3
				Free Electives**			
Totals				Totals			
<u>15</u>				<u>16</u>			
SENIOR YEAR							
Econ of Aqua. & Nat. Resources	AQFI	4321	or	Senior Seminar	AQFI	4201	2
Marketing & Pubic Rel. in Aqua.	AQFI	4322	3	Hatchery Management	AQFI	3360	or
General Physics I	PHYS	2410	4	Fish Genetics	AQFI	4350	3
Free electives**			5	Free electives**			7
Totals				Totals			
<u>12</u>				<u>12</u>			

Aquaculture and Fisheries Internship courses: AQFI 2601, 2602, or 2603 – six credits each, credits taken with consent of UAPB Career Services and course instructor***

Special Problems course available for AQFI majors: AQFI 4V00, ranges 1-3 credits****

*Students must select one from the following: HIST 1330/1340, HIST 2315/2318, GEOG 2360, PSCI 2312, PSYC 2300, SOCI 1320, SOCI 2310, ECON 2310/2320

**Students take free electives with advisor's consent

***Only one 6-credit course can count as a free elective towards the 120-credit degree requirement

****Variable credit course taken with consent of instructor and Department Chair

**Curriculum for Bachelor of Science in Aquaculture and Fisheries Sciences
Aquaculture & Seafood Business Track (120 hours)**

FALL SEMESTER			FRESHMAN YEAR			SPRING SEMESTER		
English Composition I	ENGL	1311 3	English Composition II	ENGL	1321 3			
Principles of Biology I	BIOL	1455 4	College Trigonometry	MATH	1340 3			
College Algebra	MATH	1330 3	Career & Life Planning	BAS	1120 1			
Personal & Social Development	BAS	1210 2	Swimming	HLPE	1112 1			
Topics in Aquaculture & Fisheries	AQFI	1102 1	Oral Communication	MCOM	2390 3			
Personal Health & Safety	HLPE	1310 <u>or</u>	US History	HIST	2315/2318 <u>or</u>			
Nutrition and Wellness	HUMN	1311 3	American Government	PSCI	2312 3			
		Totals 16			Totals 14			
SOPHOMORE YEAR								
Music Appreciation	MUS	2330 <u>or</u>	Aquaculture	AQFI	2329 3			
Art Appreciation	ART	2340 3	Aquaculture Lab	AQFI	2129 1			
General Chemistry I	CHEM	1430 4	Intro to Humanities	HUMN	2301 3			
Biology of Fishes	AQFI	2253 2	Intro to Literature	ENGL	2300 3			
Biology of Fishes Lab	AQFI	2153 1	Principles of Economics II*	ECON	2320 3			
Principles of Economics I*	ECON	2310 3	Principles of Accounting II	ACCT	2323 3			
Principles of Accounting I	ACCT	2311 3						
		Totals 16			Totals 16			
JUNIOR YEAR								
Econ of Aqua. & Nat. Resources	AQFI	4321 <u>or</u>	Hatchery Management	AQFI	3360 <u>or</u>			
Marketing & Pubic Rel. in Aqua.	AQFI	4322 3	Fish Genetics	AQFI	4350 3			
Fisheries Techniques	AQFI	2247 2	Business Statistics I	ECON	3311 <u>or</u>			
Fisheries Techniques Lab	AQFI	2147 1	Biostatistics	AGRI	3351 3			
Calculus I	MATH	2510 5	Computer Science elective	CPSC	- 3			
Principles of Management	MGMT	3300 3	Principles of Finance	FINA	3310 3			
			Free Electives**		3			
		<u>14</u>			Totals 15			
SENIOR YEAR								
Econ of Aqua. & Nat. Resources	AQFI	4321 <u>or</u>	Senior Seminar	AQFI	4201 2			
Marketing & Pubic Rel. in Aqua.	AQFI	4322 3	Fisheries Management	AQFI	3371 3			
Aquatic Animal Nutrition	AQFI	4336 3	Free electives**		9			
Limnology	AQFI	3329 3						
Free electives**		6						
		Totals 15			Totals 14			

Aquaculture and Fisheries Internship courses: AQFI 2601, 2602, or 2603 – six credits each, credits taken with consent of UAPB Career Services and course instructor***

Special Problems course available for AQFI majors: AQFI 4V00, ranges 1-3 credits****

*Students must take ECON 2310 and ECON 2320 as their Social Science electives in this track

**Students take free electives with advisor's consent

***Only one 6-credit course can count as a free elective towards the 120-credit degree requirement

****Variable credit course taken with consent of instructor and Department Chair

Department of Human Sciences

Dr. Brenda A. Martin Chairperson

Associate Professors

Loretta K. Crippen
Janette R. Wheat

Assistant Professors

Marilyn Bailey
Kay Dutram
Amanze Charles Ihedioha

Instructors

Ying Hua Gao-Balch
Lucille Meadows
Yunru Shen

The Department of Human Sciences offers a Bachelor of Science Degree in Human Sciences with options as follows: Foodservice/Restaurant Management; Human Development and Family Studies; Merchandising, Textiles and Design; Nutrition and Dietetics; and a certificate program in Family Financial Planning. Programs are accredited by the American Association of Family and Consumer Sciences (AAFCS).

The mission of the Department of Human Sciences is to provide educational research and

outreach programs that prepare individuals, families, and communities to live an optimal and sustaining quality of life. It prepares graduates for competitive careers in Southeast Arkansas and the global market place, and for graduate and professional schools.

Department of Human Sciences Degree Programs Objectives

In keeping with the mission of the department, the objectives of the Department of Human Sciences are to:

1. Offer relevant and exemplary academic programs to respond to existing and emerging careers;
2. Engage faculty/staff and students in mission-oriented research and creative activities to solve stakeholder problems and enhance the quality of life;
3. Develop research programs that create new knowledge based on emerging research trends;
4. Provide educational programs and experiences that prepare students for careers in human sciences and related fields, and for graduate and professional schools;

5. Review and update the departmental assessment plan for teaching, research and outreach programs.

Requirements

The department requires that students pursuing a bachelor's degree follow the curriculum and fulfill the following institutional requirements for graduation:

- Complete general education requirements;
- Exit University College;
- Complete departmental requirements;
- Make a passing score on the English Proficiency Examination. (The department advises students to take this examination prior to the first semester of their junior year);
- Earn a grade of "C" or better in all courses; and
- Take a comprehensive examination in their major program area.

A student may elect a minor with the consent of his/her advisor and by completing 24 hours or more in a specific area.

Options: Credit Hours

Human Development and Family Studies - 120
 Merchandising, Textiles and Design - 120
 Nutrition and Dietetics - 120
 Food Service and Restaurant Management - 120
 Human Sciences Education–
 (See School of Education)

Human Development and Family Studies (Non-Teaching)

The Human Development and Family Studies program focuses on the physical, social and psychological growth and development and interpersonal relationships in family environmental settings. It prepares students for employment as directors of child development centers, child care specialists, nursery school/day care teachers, adoption placement agents, caseworkers, and other careers related to families.

Objectives:

1. To prepare students for work as directors of child care centers and nursery school/day care teachers
2. To prepare students for careers in child welfare, the social services, and cooperative extension

3. To prepare students for community service to work with families and groups with special needs
4. To prepare students for graduate work in human development and related areas

Merchandising, Textiles and Design (Non-Teaching)

The Merchandising, Textiles and Design Program provides students with a fundamental understanding of the design process and fashion. Fashion students explore the various stages of apparel design, from concept to creation, including market and trend research, fashion illustration, technical drawing, pattern drafting, apparel construction, and textiles. Program participants are prepared to meet the high level of standards set by the fashion and textile industries.

Objectives:

1. To develop creative, information seeking, and analytical students with an ability to understand and provide solutions for current and future consumer and industry needs and issues, such as sustainability related to merchandising, textiles, apparel design, and related areas
2. To enable students to apply theories related to aesthetics, design, cultural, social, psychological, and political aspects of dress, fashion, and textiles to industry and societal concerns
3. To provide students with the education and learning experiences that will prepare them for entry level positions, as well as inspire, motivate, and give students the tools needed to progress through their careers
4. To provide students with an understanding of the international industries' processes and the supply chains used in developing, producing, and marketing textile and apparel products
5. To prepare students for graduate studies in merchandising, textiles, apparel, and/or related areas

Nutrition and Dietetics (Non-Teaching)

Basic, clinical and advanced nutrition is the basic science foundation is what the curriculum is built on. The curriculum also includes subject matter in Quantity Food Production and Food Service Management to acclimate students to all facets in Nutrition and Dietetics.

The program prepares students for employment as dietitians, food service directors, consumer affairs specialists, nutritionists and product developers, State and Federal Food and Nutrition program managers, and researchers.

Objectives:

1. To maintain the requirements of the Standards of Education of the Accreditation Council for Education in Nutrition & Dietetics (ACEND)
2. To prepare students to meet the entry-level competencies for the supervised practice program
3. To provide majors with hands-on experiences through practical and simulation activities to demonstrate application

of knowledge and performance of skills

4. To provide majors with requisite scientific knowledge and experiences needed for specialization in foods, nutrition and related areas, and for graduate education
5. To offer courses and professional programs to other departments at the University and to the community

Food Service and Restaurant Management (Non-Teaching)

The Food Service and Restaurant Management program focuses on preparation of students for managerial and supervisory positions in the food service industry as food production managers, food and beverage supervisors, personnel training supervisors and consulting food specialists. This program is designed for individuals who do not wish to become nutritionists or Registered Dietitians.

Objectives:

1. To provide experiences for students to gain knowledge of fundamental foodservice operations and management

2. To prepare students for managerial positions in the hospitality foodservice industry
3. To provide students with the opportunity to develop analytical skills in research or other self-directed projects
4. To prepare students to pursue graduate study in hospitality foodservice administration or related fields

Human Sciences Courses (HUSC)

HUSC 1102 ORIENTATION TO HUMAN SCIENCES (1)

Assists students in achieving an understanding of and appreciation for Human Sciences as a profession through a study of its objectives, history and the organizations within it; and a look at the future implications for each area within Human Sciences. Lecture: 1 hour per week.

HUSC 1200 APPLIED FOOD SERVICE SANITATION (2)

A study of the principles and practices of sanitation and hygiene as applied to proper selection, preparation and storage of food in the

foodservice industry. Completion of the course will qualify students for the National Restaurant Association ServSafe Food Protection Manager Certification Examination. Lecture: 2 hours per week.

HUSC 1231 SOCIAL AND CULTURAL ASPECTS OF FOOD (2)

A study of the cultural basis for food habits as applied to the individual, community and various population groups: ethnic, religious, geographic and others. Prerequisite: None. Lecture: 2 hours per week.

HUSC 1300 SURVEY OF THE HOSPITALITY INDUSTRY (3)

Provides an overview of the food service industry including career opportunities, operations and management. Prerequisite: None. Lecture: 3 hours per week.

HUSC 1308 TEXTILES, APPAREL SELECTION AND DESIGN (3)

A study of the principles and elements of design as they relate to the selection of textiles and apparel; the influence of these principles and elements on buying, constructing and evaluating attractive, distinctive

apparel that relate to various lifestyles; and analyzing color and figure types as well as using computer-aided instruction to create and adopt designs to meet individual needs. Lecture: 3 hours per week.

HUSC 1311 NUTRITION AND WELLNESS (3)

A basic nutrition course for non-dietetic students aiming at health promotion and disease prevention. It covers nutrients requirements, sources, functions, and deficiencies, assessment of nutritional status, balanced diet during life cycle. It also covers the most prevalent nutritional diseases and their prevention as well as food safety. Offered to all majors. Substitute for HLPE 1320. Prerequisite(s): None.

HUSC 1312 BASIC TEXTILES (3)

An analysis of textile components (fiber, yarn, textile structures, dyeing, and finishing), the global supply chain, and their relationship to textile performance. Application of these concepts to textile making textile selections and decisions. Introduction to the issue of sustainability from fiber to the consumer. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 1340 CHILD DEVELOPMENT (3)

A study of the young child from conception to the middle-school years. This course examines the physical, cognitive, emotional and social changes of the child at each developmental stage. The course covers research and theories relevant to understanding early childhood development. Lecture: 2 hours per week. Laboratory: 2 hours per week.

HUSC 1412 FOOD PRINCIPLES AND MANAGEMENT (4)

This course deals with the principles of food preparation, planning and serving family meals which require inputs of money, time, personal effort, and mechanical energy. It also emphasizes the development of managerial abilities utilizing the process of decision making. Lecture/Laboratory: 5 hours per week. Restricted to majors in certain areas.

HUSC 2300 FAMILY DEVELOPMENT (3)

This course is the study of family structures, adaptations, and advancements at each stage of the family life cycle. Emphasis is placed on the

developmental tasks, socioeconomic and cultural influences, family differences, and the understanding of the family as a system. Lecture: 3 hours per week.

HUSC 2320 PRINCIPLES OF APPAREL DESIGN (3)

An introductory studio course focusing on industrial sewing and apparel design. Original samples and designs are produced through flat patterns and draping. Industrial sewing techniques are used to complete all samples and garments. Prerequisites: HUSC 1308 and HUSC 1312. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 2321 ELEMENTARY NUTRITION (3)

Understanding the significance and application of the Recommended Dietary Allowances, nutrient sources, food consumption, human digestion, absorption and metabolism with special emphasis on biochemical pathways in health and disease. Lecture: 3 hours per week. Prerequisite: CHEM 1410 or CHEM 1430.

HUSC 2340 ADOLESCENT AND ADULT DEVELOPMENT (3)

This course stresses the growth and development of individuals from adolescence through the life cycle; examines the developmental tasks of each stage and changes in emotional, social, cognitive and physical domains from one stage to the next. Lecture: 3 hours per week. Prerequisite: HUSC 1340 (Child Development) or consent of instructor.

HUSC 2342 INTRODUCTION TO THE APPAREL INDUSTRY (3)

An introduction to the apparel industry including the language of fashion, career opportunities and the organization and operation of various marketers of textiles and apparel. Field trips related to industries are included. Lecture: 3 hours per week.

HUSC 2345 RESIDENTIAL HOUSING AND EQUIPMENT (3)

Focuses on the social, economic and design aspects of American housing. Concerned with basic family, neighborhood and community needs, legal aspects and financial considerations in acquiring housing and the changing equipment needs of society. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 2348 INTERIOR DESIGN AND HOME FURNISHINGS (3)

A step-by-step study of the fundamentals of the interior design process, and a consumer orientation to home furnishings. Focuses on design principles and elements that create an interior atmosphere appropriate to particular life styles. Prerequisite: HUSC 2345. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 2433 QUANTITY FOOD PRODUCTION AND MANAGEMENT (4)

Principles of selecting, purchasing, operating and maintaining institutional equipment; fundamentals of design and layout of food service systems. Application of principles, tools and controls of quantity cookery management. Prerequisite: Food Principles and Management HUSC 1412. Lecture: 2 hours per week. Lab: 15 clock hours per week for 5-6 weeks.

HUSC 3300 FAMILY DYNAMICS (3)

Examines the structural components and processes that are at work in all family systems. This course explores the complex communication patterns that control the ways families regulate their level of intimacy, attempt to meet their needs and adapt to change throughout the life cycle. Special attention will be given to understanding the unique characteristics, interpersonal dynamics, challenges and needs of single parent, blended and abusive families. Lecture: 3 hours per week.

HUSC 3311 FOOD SERVICE SYSTEMS MANAGEMENT (3)

Application of the principles and techniques of management to food service systems with various organizational structures and functions; emphasis on management of personnel, finance and technical controls. Lecture: 3 hours per week. Prerequisite: HUSC 2433.

HUSC 3320 HOME MANAGEMENT SYSTEMS (3)

An overview of home management theories and the integrated nature of management in the family and the ecological system. Stresses the application of managerial principles to a variety of family situations through the effective use of human and material resources. Prerequisite: HUSC 3310. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 3321 FASHION ILLUSTRATION (3)

Develop skills in fashion sketching and illustration using a variety of rendering techniques and mediums. Prerequisites: HUSC 1308. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 3326 NUTRITION THROUGH THE LIFE CYCLE (3)

A life cycle approach to the science of normal nutrition that incorporates study of the physiological, psychological and cultural aspects of eating behaviors, specific nutritional requirements and health promotion as they relate to the different stages of life from prenatal to old age. Prerequisite: HUSC 1311 or 2321. Lecture: 3 hours per week.

HUSC 3330 CREATIVE ACTIVITIES FOR YOUNG CHILDREN (3)

Application of principles of development to the planning of young children's activities; an overview of applied principles and practical application of strategies for classroom management utilizing lesson planning and appropriate behavioral guidance techniques; specific emphasis on maintaining child-centered environments that promote creative expression as well as physical, cognitive and social-emotional development in young children. Prerequisite: HUSC 1340. Lecture: 2 hours per week. Laboratory: 3 hours per week.

HUSC 3331 ADVANCED NUTRITION (3)

A study of the chemistry and functions of nutrients and the interrelationship in the physiological and metabolic processes of the human organism; includes nutrient requirements, allowances and measurements. Prerequisites: HUSC 2321, 3326; CHEM 1430 and 1440; and BIOL 2452. Lecture: 3 hours per week.

HUSC 3341 PARENTING EDUCATION (3)

Examination of major objectives and the underlying guidance principles in parent child relations; study of programs and agencies in parent education and principles that evaluate parent guidance. Lecture: 3 hours per week.

HUSC 3342 FASHION BUYING AND MERCHANDISING PROCEDURES (3)

Application of principles underlying buying and selling, promotion, advertising and consumption. Analysis of case studies. Prerequisite: HUSC 2342. Lecture: 3 hours per week.

HUSC 3348 ADMINISTRATION AND SUPERVISION OF CHILD CARE CENTERS (3)

Planning and implementing child care programs, policies, concepts, assessments, records; evaluation of centers and programs. Lecture: 3 hours per week.

HUSC 3352 ADVANCED TEXTILES (3)

The evaluation of textile performance in end-products, including physical testing and data analysis to assist in

decision making, quality control, product development, and marketing. Sustainability of materials throughout the textile supply chain will be analyzed in detail. Research methodology for textile testing will be presented; students will develop research and creative products. An overview of technology advances will be presented. Lecture: 1 hour per week. Laboratory: 4 hours per week. Prerequisites: HUSC 1312 and CHEM 1410.

HUSC 3354 GLOBALIZATION OF THE TEXTILE AND APPAREL INDUSTRIES (3)

The study of the globalization of the textile and apparel industries from a historical as well as current perspective, including international sourcing, trade policies, sustainability, fair trade, and labor practices in the design, production, marketing, and consumption of textile, apparel, and related products. Major current production locations for textiles and apparel are summarized. The interconnectedness of the global apparel, textiles, and related industries will be examined. Prerequisites: HUSC 1312 and 2342.

HUSC 3362 CONSUMER ECONOMICS (3)

The on-site and distance delivered course is designed to present content information which will serve as a basis for assisting individuals and families with decision making as consumers of goods and services in the market place. Emphasis placed on economic factors, money management principles and utilization of resources pertinent to consumer needs. Lecture: 3 hours per week or Web.

HUSC 3364 INFANT AND TODDLER PRACTICUM (3)

This course provides an in-depth overview of the infant/toddler period with practicum experiences in the Child Development Centers' Infant/Toddler program and community centers serving infants/toddlers. Specific attention is given to preparing students to: (1) provide age and stage appropriate care in a group setting, and (2) provide professional practicum assistance for parenting groups and individuals. Lecture: 3 hrs. per week Laboratory: 2 hrs. per week.

HUSC 3366 FUNDAMENTALS OF FINANCIAL PLANNING (3)

This on-site and distance delivered course introduces students to the various financial planning topics that face families such as the financial planning process, client/planner interactions, time value of money applications, personal financial statements, cash flow and debt management, asset acquisition, and education planning. Risk management, investment planning, retirement planning, plan integration, and ethics are also included.

Prerequisites: MATH 1330, HUSC 3362 or ECON 2310 or

Permission of Instructor. Lecture: 3 hours per week or Web.

HUSC 3420 EXPERIMENTAL FOOD SCIENCE (4)

A study of the composition, chemistry, physical and qualitative properties of basic food materials and food systems; a treatment of the physicochemical basis of food preparation; analysis of current research studies on food materials and processes; application of the scientific approach to the study of food principles. Prerequisites: HUSC 1412, and 2321; CHEM 1410 or CHEM 1430 and 1440; and MATH 2370. Lecture: 2 hours per week. Laboratory: 4 hours per week.

**HUSC 4202 SENIOR SEMINAR
(2)**

The Senior Seminar is a capstone course required of all Agriculture, Fisheries and Human Sciences majors. The Course explores the application of principles in the work place and student transition to careers and/or graduate school. Includes relevant readings, class discussions and an interdisciplinary group research project and professional presentation. Submission of the SAFHS Student Portfolio is a requirement of the course. Lecture: 2 hours per week. Prerequisite: Senior students with 90 credits or approval from the department chair.

**HUSC 4301 METHODS OF
TEACHING HUMAN SCIENCES
(3)**

Selection and organization of instructional techniques, materials and media for use in teaching human sciences. Special attention given to problem solving, approaches to teaching human sciences, lesson and unit planning. Observation of teaching at the secondary level is required. Lecture: 3 hours per week.

**HUSC 4312 FOOD AND
BEVERAGE MANAGEMENT
CONTROL (3)**

Duties and responsibilities of the manager in foodservice establishments. Emphasis on methods of budgeting, forecasting, controlling costs and establishing policies in food and beverage cost control. Attention will be given to usage and management of alcoholic beverages. Prerequisite: ACCT 2311, 2323; HUSC 3311. Lecture: 3 hours per week.

**HUSC 4329 ASSESSMENT OF
YOUNG CHILDREN (3)**

This course presents an understanding of how to assess young children and approaches for developing and managing curriculum for child development. The class will cover assessment practices and how to incorporate that information into curriculum ideas, team meetings or overall understanding of the child. Information and skills learned in this course would be useful to teachers and parents conducting or interpreting assessments of young children. Prerequisites: None. Lecture: 3 hours per week.

HUSC 4330 COMMUNITY NUTRITION (3)

Designed to aid dietitians, nutritionists and other allied health professionals in serving the community with respect to nutrition. The course covers goals, management, operation and impacts of community programs in the United States and other countries. Attention will also be given to the techniques involved in the assessment of community nutrition. Prerequisite: HUSC 2321; HUSC 3325. Lecture: 2 hours per week. Laboratory/Field Experience: 2 hours per week.

HUSC 4331 NUTRITION IN DISEASE I (3)

Application of principles in planning diets for preventive therapeutic measures in certain diseases and metabolic disorders; includes laboratory field experiences. Prerequisites: HUSC 2321, 3331, 3325; BIOL 2452. Lecture: 2 hours per week. Lab: 2 hours per week.

HUSC 4332 ADVANCED APPAREL DESIGN (3)

A continuation of HUSC 3320, this course deepens students' understanding of apparel design and construction. As a final project, a series of garments are developed which involves fabric

selection, pattern drafting, draping and construction. Prerequisite: HUSC 1308, 1312, 2320, 3321. Lecture: 1 hour per week. Laboratory: 4 hours per week.

HUSC 4334 DRESS AND HUMAN BEHAVIOR (3)

A study of how dress and fashion influence human behavior on a global level using cultural, social, and psychological theories. Research methodologies for studying dress and human behavior will be presented. Lecture: 3 hours per week.

HUSC 4361 FAMILIES ACROSS CULTURES (3)

This course will focus on minority and international families, examining their unique characteristics, strengths, problems and concerns. It will cover the interaction between minority culture and the dominant culture of a society. Lecture: 3 hours per week.

HUSC 4371 THE DESIGN OF RESIDENTIAL INTERIORS (3)

A step-by-step study of the fundamentals of the interior design process, including design principles and elements, elevations, perspective drawings and plans that create an interior atmosphere appropriate to the lifestyle chosen and within the

economic means available.
 Prerequisite: HUSC 2348.
 Lecture: 1 hour per week.
 Laboratory: 4 hours per week.
 (Offered on demand).

HUSC 4399 HUMAN SCIENCES RESEARCH (3)

This course focuses on students understanding and analyzing formal research methodology and procedures used in all areas of Human Sciences research, including qualitative, quantitative, and mixed methods. Students will critique research studies, identify relevant research topics, conduct review of literature, plan a research project, and develop a research management plan.
 Lecture: 3 hours per week.

HUSC 4404 PRACTICUM IN DIETETICS AND FOODSERVICE (4)

Practical experiences in dietetics and food service management in hospitals, other health care facilities, and institutional food service facilities. Prerequisites: Nutrition in Disease I HUSC 4331 and Food Service Systems Management HUSC 3311.

HUSC 4431 MEDICAL NUTRITION THERAPY I (4)

Study of nutrition care process, food and drug interactions, nutritional counseling, enteral and parenteral nutrition support, and weight management. Pathophysiology and application of principles of nutrition care process for preventive and therapeutic measures in nutritional management of acute and chronic disorders.
 Prerequisites: HUSC 2321, 3331, 3326; BIOL 2452.
 Lecture: 3 hours per week.
 Laboratory: 2 hours per week.

HUSC 4441 MEDICAL NUTRITION THERAPY II (4)

Pathology and application of principles of nutrition care process for preventive and therapeutic measures in nutritional management of acute and chronic disorders. A continuum of HUSC 4431 Medical Nutrition Therapy I.
 Prerequisite: HUSC 4431.
 Lecture: 3 hours per week.
 Laboratory: 2 hours per week.

HUSC 4601 MERCHANDISING, TEXTILES AND DESIGN INTERNSHIP (12)

An internship experience designed for fashion merchandising, textile, and design majors to provide relevant work experiences and to learn professional work expectations, responsibilities, industry practices, report writing, and communication skills. Students must complete 225 hours after internship approval. Open only to MTD students. (6 hours internship after sophomore year; may be repeated once).

HUSC 4620 HUMAN SCIENCES STUDENT TEACHING (12)

A full semester of observation and actual teaching experiences is provided for students in approved secondary school centers.

HUSC 4660 FOOD SERVICE/RESTAURANT MANAGEMENT INTERNSHIP (12)

Students are required to obtain a total of twelve (12) credit hours (320 clock hours minimum) of supervised work experience in an approved off-campus foodservice establishment prior to graduation. The hospitality internship experience may be obtained during the summer session, during studies or after

completion of course work, but must be completed prior to graduation.

HUSC 4682 HUMAN DEVELOPMENT AND FAMILY STUDIES INTERNSHIP (6)

The internship is designed to provide opportunities for students to develop a better understanding of the responsibilities associated with positions that cluster around careers in Human Development and Family Studies. The course is an interface between classroom learning and the real world of work and is expected to generate the transfer of knowledge and skills gained in the classroom into competencies setting. The internship opportunity will enhance students' personal and professional growth by providing paraprofessional work experience related to the students' interest.

HUSC 4V04 SPECIAL PROJECTS IN HUMAN SCIENCES (3)

Individual study of a definitive aspect of one of the subject matter areas in the department.

Prerequisite: APPROVAL OF ADVISOR AND CONSENT OF INSTRUCTOR. Lecture: 3 hours per week.

**CURRICULUM FOR BACHELOR OF SCIENCE IN HUMAN SCIENCES
HUMAN DEVELOPMENT AND FAMILY STUDIES – Track 1
(Non-Teaching)**

FALL SEMESTER	SPRING SEMESTER						
FRESHMAN YEAR							
Orientation/Human Sciences	HUSC	1102	1	Physical Education	HLPE	1110/1121	1
Physical Education	HLPE	1110/1121	1	Career & Life Planning	BAS	1120	1
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Child Development I	HUSC	1340	3	Physical Science	CHEM	1411	4
Biological Science I	BIOL	1450	4	Nutrition & Wellness	HUSC	1411	3
Computer Science Elective	CPSC		3	Personal & Social Dev.	BAS	1210	2
			15				14
SOPHOMORE YEAR							
Text /App/Sel /Design	HUSC	1308	or	Family Development	HUSC	2300	3
Principle of Apparel Design	HUSC	2330	3	Intro to Social Science	SOCI	1320	3
College Algebra or Quantitative Literacy	MATH	1330/1360	3	American Government	PSCI	2310	3
General Psychology	PSYC	2300	3	Music History Appreciation	MUSI	2330	OR
Introduction to Literature	ENGL	2300	3	Oral Communication	MCOM	2390	3
Adolescent & Adult Development	HUSC	2340	3	Humanities	HUMN	2301	3
Art Appreciation/History	ART	2340	3				
			18				15
JUNIOR YEAR							
Surv/Except/Child	SPED	2200	2	Social/Behavior Sci. Elec.	GRON/OR SWORK		3
Family Dynamics	HUSC	3300	3	Fundamentals/Fam/Fin/Plan	HUSC	3366	3
Nutr.thr.theLife Cycle Elective	HUSC	3326	3	Creat/Act/Child	HUSC	3330	3
			6	Infant /Toddler Practicum	HUSC	3364	3
				Parenting Education	HUSC	3341	3
			14				15
SENIOR YEAR							
Adm/Superv/CC	HUSC	3348	3	Senior Seminar	HUSC	4202	2
Foreign Language Elec.	MDFL		3	Fam/Across/Cul	HUSC	4361	3
Electives			6	Assessment/Young Child	HUSC	4329	3
Human Sciences Res.	HUSC	4399	3	HDFS Internship	HUSC	4682	OR
				Co-op Internship	HUSC	2600	6
			15				14

Total credits: 120 semester hours

**CURRICULUM FOR BACHELOR OF SCIENCE IN HUMAN SCIENCES
MERCHANDISING, TEXTILES AND DESIGN – TRACK 1
(Non-Teaching)**

FALL SEMESTER			SPRING SEMESTER				
FRESHMAN YEAR							
Orientation /Human Sciences	HUSC	1102	1	Career & Life Planning	BS	1120	1
Personal & Social Dev.	BAS	1210	2	English Composition II	ENGL	1321	3
Physical Education	HLPE	1311	1	College Algebra or Quantitative Literacy	MATH	1330/1360	3
English Composition I	ENGL	1311	3	Biological Science	BIOL	1450	4
Textiles, Apparel Selection/ Design	HUSC	1308	3	Music Appreciation	MUSI	2330	3
Principles of Chemistry	CHEM	1410	4	Introduction to Apparel Industry	HUSC	2342	3
Nutrition & Wellness	HUSC	1311	3				
			17				17
SOPHOMORE YEAR							
General Psychology	PSYC	2300	3	Family Development	HUSC	2300	3
Intro to Literature	ENGL	2300	3	Foreign Language	MDFL	231_	3
Principles of Economics	ECON	2310	3	American Government	PSCI	2310	3
Principles of Apparel Design	HUSC	2320	3	Art Appreciation/History	ART	2340	3
Basic Textiles	HUSC	1312	3	Oral Communication	MCOM	2390	3
			15				15
JUNIOR YEAR							
Elective I			3	Prin. Of Management	MGMT	3300	3
Principles of Marketing	MKTG	3300	3	Cloth/Hum Behavior	HUSC	4334	3
Fashion Illustration	HUSC	3321	3	Desktop Publishing	ART	3309	3
Consumer Economics	HUSC	3362	3	Fsh/Buy/Mdse Pro	HUSC	3342	3
Advanced Textiles	HUSC	3352	3	Elective			3
			15				15
SENIOR YEAR							
Business Math	FINA	2321	3	MTD Internship	HUSC	4601	OR
Advanced Apparel Design	HUSC	4332	3	Co-op Internship	HUSC	2600	6
Human Sciences Research	HUSC	4399	3	Senior Seminar	HUSC	4202	2
Elective			3	Elective			3
				Principles of Accounting	ACCT	2311	3
			12				14

Total credits: 120 semester hours

**CURRICULUM FOR BACHELOR OF SCIENCE IN HUMAN SCIENCES
NUTRITION AND DIETETICS OPTION
(Non-Teaching)**

FALL SEMESTER			SPRING SEMESTER		
FRESHMAN YEAR					
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Principles of Biology	BIOL	1455	4	General Chemistry II	CHEM 1440 4
General Chemistry I	CHEM	1430	4	Principles of Economics I	ECON 2310 3
College Algebra	MATH	1330	1	Orientation Human Sci.	HUSC 1102 1
Pers. & Social Dev.	BAS	1210	2	Human Elective	HUMN 1120 3
Physical Education	HLPE	1110-25	3	Nutrition and Wellness	HUSC 1311 3
				Career and Life Planning	BAS 1120 1
			17		18
SOPHOMORE YEAR					
Human Anatomy/Physiology I	BIOL	2451	4	Human Anatomy/Physiology II	BIOL 2452 4
Literature Elect.	ENGL		3	Fund. of Organic Chemistry	CHEM 2412 4
Oral Communications	SPCH	2390	3	Elementary Nutrition	HUSC 2321 3
General Psychology	PSYC	2300	3	Effective Thinking & Logic	HUMN 2340 3
Principles of Accounting I	ACCT	2311	3	American Government	PSCI 2312 3
Physical Education					
			16		17
JUNIOR YEAR					
Food Prin. & Mgmt.	HUSA	1412	4	Quant. Food Production	HUSC 2433 4
Biochemistry	CHEM	3412	4	Microbiology	BIOL 3470 4
Nutrition thru Life Cycle	HUSC	3326	3	Advanced Nutrition	HUSC 3351 3
Biostatistics	AGRI	3351	OR	Physical Education	HLPE 1110-25 1
Intro to Statistics	MATH	2370	3		
			14		12
SENIOR YEAR					
Exptl. Food Science	HUSC	3420	4	Food Serv. Sys. Mgmt	HUSC 3311 3
Medical Nutrition Therapy I	HUSC	4431	4	Medical Nutrition Therapy II	HUSC 4441 4
Human Sciences Research	HUSC	4399	3	Family Development	HUSC 2300 3
Community Nutrition	HUSC	4330	3	Senior Seminar	HUSC 4202 2
			14		12

Total credits: 120 semester hours

The Nutrition and Dietetics program has been granted candidacy for accreditation

from the Commission on Accreditation for Dietetics Education (CADE).

**CURRICULUM FOR BACHELOR OF SCIENCE IN HUMAN SCIENCES
FOODSERVICE RESTAURANT MANAGEMENT OPTION
(Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Orientation to Human Sciences	HUSC	1102	1	Career & Life Planning	BAS	1120	1
Physical Education	HLPE	1110/1121	1	Survey/Hospitality Industry	HUSC	1300	3
Personal & Social Dev.	BAS	1210	2	Microcomputer Appl.	MIS	1312	3
Soc/Cul/Aspects Food	HUSC	1231	2	English Composition II	ENGL	1321	3
English Composition I	ENGL	1311	3	Physical Science	CHEM	1411	4
Food Principles Management	HUSC	1412	4				
Biological Science	BIOL	1450	4				
			17				14
SOPHOMORE YEAR							
College Algebra or Quantitative Literacy	MATH	1330/1360	3	Quantity Foods	HUSC	2433	4
General Psychology	PSYC	2300	3	American Government	PSCI	2312	3
Principles of Economics I	ECON	2310	3	Art Appreciation	ART	2340	3
Nutrition & Wellness	HUSC	1311	3	Oral Communication	MCOM	2390	3
Humanities OR	HUMN	2301		Literature Elective	ENGL		3
Music Hist/Apprec.	MUSI	2330	3				
Applied FS Sanitation	HUSC	1200	2				
			17				16
JUNIOR YEAR							
Elementary French	MDFL	2310	OR	Family Development	HUSC	2300	3
Elementary Spanish	MDFL	2311	3	Principles of Accounting II	ACCT	2323	3
Principles of Accounting I	ACCT	2311	3	Food Service/System Management	HUSC	3331	3
Principles of Management	MGMT	3300	3	Principles of Marketing	MRKT	3330	3
Human Resource Management	HUSC	3318	3				
Consumer Economics	HUSC	3362	3				
			15				12
SENIOR YEAR							
Business Law I	BADM	3314	3	FRM Internship	HUSC	4660	12
General Microbiology	BIOL	3470	4	Senior Seminar	HUSC	4202	2
Fd/Bev/Mgmt Ctrl	HUSC	4312	3				
Human Sciences Research	HUSC	4309	3				
Elective			2				
			15				14

Total Credits: 120 semester hours

SCHOOL *A* ARTS AND SCIENCES

Andrea Stewart, Dean

The School of Arts and Sciences, which is an area of excellence, will continue to be noted for its high quality of undergraduate instruction and its effective student learning. Students will enter the school academically well prepared and eager to learn. Upon graduation, they will be successful in finding employment in their field of study or in being admitted to graduate/professional school.

A competent faculty will continue to be appropriately credentialed and involved in scholarly activities. The school, which is housed in modern facilities that are well-kept, having laboratories, studios and classrooms with state-of-the-art equipment, will continue to provide an environment that is conducive to and supportive of teaching and learning.

Mission Statement

The school provides and maintains an environment that is conducive for excellence in teaching and learning in the Arts, Languages, literature, mass communication, nursing, social and behavioral sciences, natural and mathematical sciences, and technology.

The School of Arts and Sciences has a diversity of offerings in two curricular emphasis areas: *Science and Technology* and *Liberal and Fine Arts*.

It provides educational experiences to ensure students success in mathematics, engineering, science and technology, and it provides these experiences through course offerings in mathematics, the natural sciences, and nursing. The Departments of Biology, Chemistry & Physics, Mathematical Sciences & Technology, and Nursing comprise the Science and Technology emphasis of the School of Arts and Sciences. These program offerings are designed to achieve the following objectives:

1. To provide general education courses to all students of the university;

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| <ol style="list-style-type: none"> 2. To provide in-depth instruction in specific areas; 3. To provide experiences that permit the students to gain knowledge of significant accomplishments in mathematics and the sciences; 4. To assist students in developing critical and analytical thought patterns; and 5. To allow for individual creativity and development through the examination of special problems and participation in research. | <p>mathematics, nursing and physics.</p> <p>Through the Liberal and Fine Arts area, the School of Arts and Sciences provides experiences designed to give students control of their own minds so that they may be prepared for responsible living in a constantly changing world. It offers courses designed to help students develop lasting values, to make a living, and to continue their own self-education. It provides these experiences through course offerings in the humanities and the social sciences that achieve the following objectives:</p> <ol style="list-style-type: none"> 1. To provide general education courses to all students of the university; |
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These objectives are met by courses of study that allow the students to experience a wide range of mathematical and scientific subjects as well as in-depth instruction in specific disciplines.

The science and technology curricula offer majors in biology, chemistry, computer sciences, industrial technology,

2. To provide in-depth instruction in specific areas;
3. To provide experiences that permit the students to gain knowledge of significant accomplishments in humanities and the social sciences; and

4. To assist students in developing critical and analytical thought patterns.

The school meets these objectives by offering courses of study that allow students to explore a wide range of general education subjects as well as in-depth instruction in specific disciplines, including the departments of Art; English, Theatre and Mass Communications; Music, and Social and Behavioral Sciences.

The School of Arts and Sciences offers majors in Art, Biology, Chemistry, Physics, Computer Science, Criminal Justice, English, Theatre, Gerontology, History, Industrial Technology, Journalism, Psychology, Mathematics, Music, Nursing, Political Science, Social Science, Sociology and Social Work. It offers both the Bachelor of Arts and Bachelor of Science degrees, and the Bachelor of Science in Nursing degree. In graduate education, the school cooperates with the School of Education to offer M.Ed. degrees with concentrations in Science, English, Mathematics and Social Studies. The School of Arts and Sciences also offers M.S. degrees in Addiction Studies, Computer Science or Industrial Technology (IT).

Liberal and Fine Arts Units

Department of Art and Design

Danny Campbell, Chairman

Associate Professors

Danny Campbell
Husny Dahlan
Paul Hooven

Instructor

I. Johnson

The Department of Art and Design offers a Bachelor of Science degree in Art, with a curriculum for Visual Art (non-teaching) and a curriculum in Art Education (teaching). The curriculum in Visual Arts is designed to prepare students for graduate school or a professional career in the art and design market. The curriculum leading to teaching certification is designed for those students who wish to pursue a career in teaching art in the public and private schools (K-12).

General Department Requirements

1. Art majors should acquaint themselves with the institutional requirements and requirements of the department.

2. The department assigns all art majors a faculty advisor and expects all art majors to consult their advisor prior to registering each semester.
3. Art majors must take a drawing or painting course each semester until they complete all required courses. See Listing and sequence.
4. The Department reserves the right to keep students' work produced in the studio classes for exhibition and demonstration purposes.
5. The department advises all art majors to select a strong minor area of study.
6. The art education major must meet the requirements for admission to the teacher education program (see Admission to School of Education).
7. All Art majors within 30 hours of graduation must meet with the art faculty for a senior review and to discuss final details for their senior exhibition.

Requirements for B.S. in Art Education

The Bachelor of Science degree in Art Education focuses heavily on the student's knowledge of art and art production, and on the articulation of that knowledge. Degree requirements include forty-two (42) hours in art (art studio, art history, art education), and seventy-eight (78) hours in professional education, general education, and institutional requirements. Prior to graduation, all art education students must present a comprehensive slide portfolio of work produced during the last two years of enrollment.

- Students majoring in Art Education must make a formal written application to Teacher Education (see criteria for admittance listed under Admission to School of Education.)
- Students are strongly urged to meet with their art advisor, and then with an advisor in the School of Education early in their program. Required tests (Praxis Series) and scores, and other School of Education requirements for licensure will be clearly delineated at that time.

- Students following the Art Education curriculum must pass the Praxis II examination prior to enrolling in directed teaching practicum.

Required Art Education Courses

Courses	Credit Hours
Freehand Drawing & Sketching 1320*	3
Color & Design 2300	3
Three Dimensional Design 2310	3
Ceramics I 2315	3
Children's Art 2360	3
Printmaking 3301	3
Photography I 3302	3
Desktop Publishing 3309	3
Sculpture 3313	3
Art in Secondary Schools 3315	3
Painting & Composition 3320	3
Crafts 3342	3
Art History- Renaissance to Modern 3349	3
Art History – Contemporary Art 3360	3
*Courses must be taken in sequence (as listed in catalog)	

Requirements for Minor in Art Education

A minor in Art Education requires that the student successfully complete the following courses (24 hours):

Courses	Credit Hours
Freehand Drawing & Sketching 1320	3
Color & Design 2300	3
Methods in Children's Art 2360	3
Ceramics I 2315	3
Art Appreciation History 2340	3
Printmaking I 3301	3
Desktop Publishing 3309	3
Painting & Composition 3320	3

Requirements for Bachelor of Science Degree in Visual Arts

The B.S. degree with a concentration in Visual Arts requires a minimum of seventy-two (72) hours in art related or studio courses, plus forty-eight (48) hours of general education and institutional required courses. A student may select an emphasis in studio art or graphic design.

Each student following this curriculum is required to present a one-person show and an approved portfolio of the most outstanding works produced for completion of degree requirements prior to graduation.

Required Art Courses for Visual Arts (72 hours)

Courses	Credit Hours
Freehand Drawing & Sketching 1320*	3
Portfolio Assessment I 2105	1
Color & Design 2300	3
3D Design 2310	3
Ceramics I 2315	3
Figure Drawing 2350	3
Printmaking 3301	3
Photography I 3302	3
Desktop Publishing 3309	3
Graphic Design I 3310	3
Sculpture I 3313	3
Painting & Composition 3320	3
Advanced Drawing 3321	3
Advanced Painting 3330*	3
Crafts 3342	3
Portfolio Assessment II 4106	1
Graphic Design II 4307	3
Senior Project 4400	4
9 Hours of upper level studio courses selected from courses below	
Printmaking II 4302	3
Ceramics II 4312	3
Advanced Painting II 4306	3
Sculpture II 4314	3
OR	
Photography II 3303	3
Graphic Design II 4309	3
Web Design 4324	3
Computer Illustration 4326	3
12 Hours of Art History selected from courses below	
Art History—Pre-History to the Renaissance 3348	3
Art History—Renaissance to Modern 3349	3
Art History—Renaissance 3350	3
Art History/Afro-American 3351	3
Art History—Northern European 3352	3
Art History—Contemporary 3360	3
*Courses must be taken in sequence (as listed in catalog) *Upper Level Courses	

Art Courses (ART)

ART 1320 FREEHAND DRAWING & SKETCHING (3)

A study of the fundamental principles of drawing and composition. No prerequisite.

ART 2105 PORTFOLIO ASSESSMENT I (1)

An assessment of students' progress based on a review of portfolio of works completed in the foundation program. This course must be taken before student advances to upper level courses.

ART 2300 COLOR AND DESIGN (3)

A study of the principles of design, theory of color and development of design building, with special emphasis on art structure.

ART 2315 CERAMICS I (3)

An introductory course in the processes of hand building and throwing and turning on the potter's wheel; covers the techniques essential to decorating, glazing, and firing of wares.

ART 2340 ART APPRECIATION AND HISTORY OF ART (3)

A historical survey course, covering the periods from Pre-Historic, Greek, and Roman to the 20th Century, with emphasis on the understanding and appreciation of architecture, sculpture, painting, the graphic arts, and the minor arts. No prerequisite.

ART 2350 FIGURE DRAWING (3)

A study of the human figure. Emphasis placed on anatomy, construction, and human proportions. Prerequisite: ART 1320.

ART 2360 METHODS IN CHILDREN'S ART (3)

Lectures, art activities and class discussions that focus on the methods of teaching art at the Pre-school and Elementary levels. The course explores the nature and significance of art experiences for children. No prerequisite.

ART 3301 PRINTMAKING (3)

Introduces the four basic printmaking processes. Includes projects in linoleum cuts, woodcuts, etching, dry point, screen printing, and lithographic printing. Prerequisite: Freehand Drawing 1320.

ART 3303 PHOTOGRAPHY II (3)

A continuation of Art 3302. Exploration and experimentation in the medium of photography. Prerequisite: ART 3302.

ART 3309 DESKTOP PUBLISHING (3)

Introduces the student to the layout and design of the printed page through the use of the Macintosh computer.

ART 3311 GRAPHIC DESIGN I (3)

A study of the materials, tools, terminology, and techniques associated with graphic design. Students will investigate the design and structure of the printed page using systems, grids, and other layout devices specific to graphic design. Prerequisite: ART 3309.

ART 3313 SCULPTURE I (3)

Studio practice and experimentation in three-dimensional design; clay, wood, metal, stone, and other materials used. Prerequisite ART 2310.

ART 3315 ART METHODS IN SECONDARY SCHOOLS (3)

Lectures, art activities, and class discussions focusing on the methods, materials and processes for teaching art at the middle and secondary levels.

ART 3320 PAINTING AND COMPOSITION (3)

A study of tools, materials and techniques of acrylic painting. Prerequisite: ART 1320 and 2300.

ART 3321 ADVANCED DRAWING (3)

Continuation of Painting and Composition 3320. Instruction in light and shade, still life, with emphasis on original illustration.

ART 3330 ADVANCED PAINTING (3)

Emphasis on composition, plastic forms, preparation of support, grounds, and media. The department only permits students who show satisfactory evidence of ability to take this course. Prerequisites: ART 1320 and 3320.

ART 3342 CRAFTS (3)

A survey of craft media and techniques. This course will cover techniques in jewelry, enameling, weaving, fabric decoration and “soft sculpture.”

ART 3348 ART HISTORY-PREHISTORY TO RENAISSANCE (3)

A study of the historical development of the visual arts from the prehistoric period to the Renaissance.

ART 3349 ART HISTORY-RENAISSANCE TO MODERN (3)

A study of the historical development of the Renaissance to the Modern Period.

ART 3350 ART HISTORY—RENAISSANCE (3)

A study of architecture, painting, and the graphic arts of the Renaissance. Prerequisite: ART 2340.

ART 3351 ART HISTORY—AFRICAN-AMERICAN (3)

A study of sculpture, painting, and philosophy of African-American art. Emphasis placed on contemporary African-American artists and their works: sculpture, painting, and the graphics.

ART 3352 ART HISTORY—NORTHERN EUROPEAN (3)

A study of a group of artists of northern Europe. Prerequisites: ART 2340 and 3350.

ART 3360 ART HISTORY CONTEMPORARY (3)

A study of important period, styles and artists from the 18th century to present.

ART 4160 PORTFOLIO ASSESSMENT II (1)

A comprehensive assessment of the students' and weaknesses as he or she enters the senior year based on a review of art works and courses completed at this point.

ART 4306 ADVANCED PAINTING II (3)

Designed to strengthen the development of the aspiring artist or art educator in the attitudes, philosophies and aesthetic complexities of painting. Prerequisites: ART 3320 AND 3330.

ART 4308 GRAPHIC DESIGN II (3)

Continuation of Graphic Design I. Instruction in the aesthetics, conceptual and production techniques of graphic design. Development of presentation portfolio. Prerequisites: ART 3310 and 3309.

ART 4309 GRAPHIC DESIGN III (3)

A further study of the technical aspects of being a graphic designer, but with significant emphasis on print and specialized production in which the student will work on a specific design project from concept to completion with the University Print Shop. Continued investigation of technical and design skills applied to solving visual communication problems will be discussed as it relates to copy writing, photography and illustration. Students will continue to master their skills with tools such as Quark Xpress, Adobe Photoshop, and Adobe Illustrator.

ART 4312 CERAMICS II (3)

Covers wheel thrown forms, ceramic materials and processes, including kiln firing. Emphasis on sensitivity to material and form. Prerequisite ART 2315.

ART 4314 SCULPTURE II (3)

A continuation of ART 3313. Three laboratories a week. Prerequisite: ART 3313.

ART 4324 WEB DESIGN (3)

Course description: This course will involve the use of Adobe Go Live to create (HTML) based web page with an emphasis on design issues specific to the web. Student will continue to use other graphic design tools including Adobe Photoshop. Assignment criteria will emphasize the development of aesthetics, personal expression, critical thinking and technical competence.

ART 4326 COMPUTER ILLUSTRATION (3)

This course will introduce vector graphic principles and techniques using adobe illustrator software and an essential tool of the graphic designer. An exploration of various techniques will enable the generation and manipulation of images and type for the production of publications and printed material. Emphasis will be on aesthetic awareness and technical competence.

ART 4400 SENIOR PROJECT (4)

Designed for the senior art major to do an intensified, creative study in a specialized area, such as sculpture, ceramics, graphic design, painting, drawing or printmaking. The culmination of the major project is the senior exhibit.

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE IN ART
(Teaching Option)**

FALL SEMESTER	FRESHMAN YEAR			SPRING SEMESTER			
English Composition I	ENGL	1311	3	English Comp. II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science	CHEM	1411	4
Freeland Drawing	ART	1320	3	Color & Design	ART	2300	3
Personal Health & Safety	HLPE	1310	3	Found. & Dev. of Amer. Ed	EDUC	1300	2
Personal and & Soc. Dev.	BAS	1210	2	Oral Communication	MCOM	2390	3
				Career/Life Planning	BAS	1120	1
			15			16	
	SOPHOMORE YEAR						
Intro to Literature	ENGL	2300	3	General Psychology	PSYC	2300	3
Survey/Exceptional Children	SPED	2300	3	U.S. History Since 1877 OR U.S. History to 1877	HIST	2318	3
				HIST	2315	3	
Desktop Publishing	ART	3309	3	Education/Cultural Diversity	EDUC	3235	2
3- D Design	ART	2310	3	Sculpture I	ART	3313	3
Children's Art	ART	2360	3	Humanities Elective	HUMN	2301	3
College Algebra OR	MATH	1330	3	Physical Ed. Elective	HLPE		1
Quantitative Literacy	MATH	3360	3				
			18			15	
	JUNIOR YEAR						
Art History/Prehist/Renaissance Art	ART	3348	3	Photography I	ART	3302	3
Ceramics I	ART	2315	3	Adolescent Dev.	MLED	3301	3
Arkansas History	HIST	3300	3	Art in Secondary Schools	ART	3315	3
Painting & Composition	ART	3320	3	Assessing Middle Level	EDUC	3366	3
World Regional Geography	GEOG	2360	3	Art History/Ren. To Modern	ART	3349	3
			15			15	
	SENIOR YEAR						
Art/History Contemporary.	ART	3360	3	Student Teaching (Clinical)		4600	6
Crafts	ART	3342	3	Student Teaching (Practicum)		4603	6
Psych/Teaching Adolescent Learners Art	EDUC	3302	3				
Classroom Behavior Management	EDUC	3303	3				
Printmaking I	ART	3310	3				
			15			12	

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE IN ART
(NON-TEACHING OPTION)**

FALL SEMESTER			SPRING SEMESTER			
FRESHMAN YEAR						
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321	3
Biological Science	BIOL	1450	4	Physical Science	CHEM 1311	4
College Algebra OR Quantitative Literacy	MATH	1330	3	Art History & App.	ART 2340	3
Freehand Drawing and Sketching	ART	1320	3	Color & Design	ART 2300	3
PE Elective	HLPE		1	Social Science Elective	SOCI	3
Personal & Soc. Dev.	BAS	1202	2	Career & Life Planning	BAS 1320	1
			16			17
SOPHOMORE YEAR						
Ceramics I	ART	2315	3	Intro to Lit or World Lit	ENGL 2300	3
Humanities Electives	HUM		3	U.S. History	HIST 2318	3
Desktop Publishing	ART	3309	3	Figure Drawing	ART 2350	3
3-D Design	ART	2310	3	Oral Communication	MCOM 2390	3
Personal Health & Safety	HLPE	1310	3	Sculpture I	Art 3313	3
			15			15
JUNIOR YEAR						
Art History Elective	ART		3	Photography I	ART 3302	3
Advanced Painting I	ART	3330	3	Art History Elective	ART	3
Painting & Composition	ART	3320	3	Printmaking I	ART 3301	3
Graphic Design I	ART	3310	3	Graphic Design II	ART 4307	3
Crafts	ART	3342	3	American Government	PSCI 1330	3
Portfolio Assessment I	ART	2105	1			
			16			15
SENIOR YEAR						
Foreign Language	MDFL		3	Art History Elective	ART	3
Studio Elective	ART		3	Studio Elective	ART	3
Art History Elective	ART		3	Studio Elective	ART	3
Senior Project	ART	4400	4	Advanced Drawing	ART 3321	3
Graphic Design II	ART	4307	3	Portfolio Assessment II	ART 4106	1
			16			13

Department of English, Theatre and Mass Communications

Paul Lorenz, Interim Chair

Professors

Paul Lorenz
Douglas Robillard

Assistant Professors

Kevin Sanders

Instructors

Janet Anokye
Janice Brantley
Sheena Terrell Meadows
Mary Parker
Sonia Shahjahan

The Department of English, Theatre and Mass Communications offers curricula leading to the Bachelor of Arts degree in English Literature/Liberal Arts, in English Education, in Theatre and in Mass Communications. The B.A. degree in English Literature/Liberal Arts is designed for students who wish to pursue graduate studies in English or professional careers such as the law or the ministry while the B.A. degree in English Education is designed for students who wish to become secondary school teachers.

The Bachelor of Arts degree in Theatre may be taken with options in Acting or Theatre Management. The B.A. degree in Mass Communications may be taken with options in Broadcast Journalism or Print Journalism.

General Department Requirements

1. Majors must present a grade of "C" or better on all required courses for the major.
2. Majors must meet all of the institutional requirements of the university in order to graduate.
3. Requirements listed in this section supplement, but do not supplant, institutional requirements.
4. Majors must take a comprehensive examination during the last semester of their senior year.

English Program Objectives

1. To provide students with basic training in the effective use of oral and written English

2. To acquaint students with major literary works of English and American authors and major European works in translation
3. To offer students courses to enhance their appreciation of the aesthetic pleasure consonant with good literature
4. To provide a program for those students desiring to teach in the secondary schools
5. To provide a background for those intending to pursue graduate study in English
6. To service other departments that have courses in English as an integral part of their curricula

B.A. in English Literature/Liberal Arts (Non-Teaching)

The Bachelor of Arts degree in English/Liberal Arts is designed to assist students in developing an informed critical perspective on language and literature while maintaining a high level of understanding and

appreciation of the uses and enjoyments to be found in language and literature. It also helps to prepare students for language intensive professions such as the law where a critical approach to texts is of utmost importance.

B.A. in English Education (Teaching)

The Bachelor of Arts degree in English Education is designed to provide courses for those intending to teach on the secondary level. In addition to the course requirements for the B.A. degree in English Education, students must also meet all of the requirements of the School of Education for prospective teachers. Some of these requirements are that each student must pass the PRAXIS exams and submit a formal application to the teacher education program early in the degree program. For complete details, consult the section of this catalog entitled "Admission to the School of Education."

Objectives

1. To offer courses that will enable prospective secondary English teachers to obtain a detailed understanding of how language functions

2. To provide experiences that will enable prospective teachers to develop proficiency in oral and written expression
3. To provide opportunities for prospective teachers to gain knowledge of the fundamental concepts and significant developments in literature and to understand the relationship of their major to other disciplines
4. To provide prospective teachers with experiences that will increase their knowledge of the science and art of teaching language, composition and literature and increase their awareness and understanding of current trends in the teaching of English

Viralene J. Coleman Computerized Writing Center

Sheena T. Meadows
Director

Alexis Victorian
Program Project Specialist

The Viralene J. Coleman Computerized Writing Center offers students individualized help with writing. Peer tutors are available to meet with students to discuss their writing. Tutors deal with matters ranging from: grammar, spelling, diction, and punctuation; to broader concerns, such as focus, development, organization, style, and documentation. The center also serves as a facility for students to use computers and print school-related material.

English Courses (ENGL)

ENGL 1310 COMPOSITION FUNDAMENTALS (3)

Intensive instruction in the fundamentals of grammar, usage, and basic paragraph structure for students with low scores on college entrance examinations. Students must complete all course work and pass a common examination. A minimum grade of "C" is required for passing. Credit hours are not counted toward English graduation requirement.

ENGL 1311 ENGLISH COMPOSITION (3)

Instruction in fundamentals of communication, selected readings, paragraph and essay development, and written reports. Students must complete all course work and pass a common examination. A minimum grade of "C" is required for passing. Prerequisite: a score of 19 or above on the ACT Test or a grade of "C" or better in English 1310.

ENGL 1311H HONORS ENGLISH COMPOSITION (3)

Intensive instruction in the fundamentals of communication through the selected reading of novels, plays, and essays; through oral reports; and through extensive essay writing. Prerequisites: a score of 23 or above on the English ACT Test. A minimum grade of "C" is required for passing.

ENGL 1321 ENGLISH COMPOSITION II (3)

Instruction in argumentation and the research process. A minimum grade of "C" is required for passing. Prerequisite: successful completion of ENGL 1311 with a grade of "C" or better.

ENGL 1321H HONORS ENGLISH COMPOSITION II (3)

Instruction in effective and persuasive communication, in using the library and in writing the research paper. Includes critical reading and critical writing. Prerequisites: successful completion of ENGL 1311 and an English ACT score of 23 or above.

ENGL 2300 INTRODUCTION TO LITERATURE (3)

A critical introduction to the genres of poetry, drama, and short fiction designed to develop the student's appreciation of literature as an art form and to encourage critical discussions of texts. Emphasis on reading comprehension and critical writing. Prerequisites: sophomore standing and successful completion of ENGL 1321 with a grade of "C" or better.

**ENGL 2300H HONORS
INTRODUCTION TO
LITERATURE (3)**

An intensive critical introduction to the genres of poetry, drama, and short fiction. Prerequisites: sophomore standing and acceptance into the Honors Program.

**ENGL 2310 ENGLISH
LITERATURE I (3)**

An intensive survey of English literature from the time of Beowulf through 1800. Prerequisites: sophomore standing and ENGL 1321.

**ENGL 2320 ENGLISH
LITERATURE II (3)**

An intensive survey of English literature from 1800 to the present. Prerequisites: sophomore standing and ENGL 1321. ENGL 2310 is highly recommended.

**ENGL 2360 WORLD
LITERATURE I (3)**

A critical survey of classical, oriental, and western literatures with an emphasis on the literary heritage of ancient Greek, Roman, and Judeo-Christian culture from antiquity to the Renaissance. Emphasis on reading comprehension and critical writing. Prerequisites: sophomore standing and ENGL 1321.

**ENGL 2361 WORLD
LITERATURE II (3)**

A critical survey of world literatures from the time of the Renaissance to the present. Texts include examples from African, Asian, Native American, Latin American, and European literatures. Emphasis on reading comprehension and critical writing. Prerequisites: Sophomore standing and ENGL 1321.

**ENGL 3301 COLLEGE
GRAMMAR (3)**

Designed to give considerable practice in the analysis of sentences, proper usage, the fundamentals of grammar, and the history and usage of the language. Prerequisites: ENGL 1311 and 1321.

**ENGL 3302 WRITING SEMINAR
(3)**

A review of the basic elements of written communication designed to help students who have failed to pass the English proficiency examination.

**ENGL 3310. ADVANCED
COMPOSITION (3)**

A study of forms and methods of writing, with continued practice in exposition, general essay work and critical writing. Prerequisites: ENGL 1311 and 1321.

**ENGL 3319 SURVEY OF
AFRICAN AMERICAN
LITERATURE I (3)**

A critical survey of African American literature from its beginnings to 1900. The focus of the course is on the historical, social, and literary forces influencing the literature of African Americans and on the influence of this literature on American culture. Prerequisite: ENGL 1321.

**ENGL 3321 SURVEY OF
AFRICAN AMERICAN
LITERATURE II (3)**

A critical survey of African American literature from 1900 to the present. The focus of the course is on the historical, social, and literary forces influencing the literature of African Americans and on the influence of this literature on American culture. Prerequisite: ENGL 1321.

**ENGL 3320 AMERICAN
LITERATURE I (3)**

An in-depth survey of American Literature from the Puritans to the Civil War. Prerequisite: ENGL 1321.

**ENGL 3330 AMERICAN
LITERATURE II (3)**

An in-depth survey of American Literature from the Civil War to the present. Prerequisite: ENGL 1321; ENGL 3320 is recommended.

**ENGL 3333 ADOLESCENT
LITERATURE (3)**

A critical study and survey of literature suitable for presentation to high school and junior high school students. This course is designed for English Education majors. Prerequisites: Admission to the teacher education program and ENGL 1321.

**ENGL 3350 TECHNICAL
WRITING (3)**

Advanced practice in the forms of writing most frequently encountered in the world of business and technology. Prerequisite: ENGL 1321.

**ENGL 3360 INTRODUCTION TO
SHAKESPEARE (3)**

A study of the art, personality and achievement of Shakespeare as revealed by selected plays and poems. Prerequisites: ENGL 2310 and 2320.

**ENGL 3370 CREATIVE WRITING
(3)**

A study of writing as a craft and as an art; composition of short articles, essays, stories, and verse; and preparation of copy for publication. Prerequisite: ENGL 1321.

ENGL 3391 CHAUCER (3)

An in-depth study of the major works of Chaucer. Prerequisite: ENGL 2310.

ENGL 4300 INDEPENDENT STUDY (3)

An individualized study of selected topics in the areas of literature, rhetoric, linguistics, or critical evaluation conducted under the supervision of a faculty member. Independent study is available to students who have demonstrated superior ability in English courses. Prerequisites: Junior or senior standing, permission of the instructor, and of the English department chairperson.

ENGL 4301 HISTORY OF THE ENGLISH LANGUAGE (3)

An introduction to the historical development of the English language and to linguistic analysis. Focuses on the structural morphology of Old English, dialects of Middle English, generative grammar, phonology and vocabulary of modern English. Prerequisites: Junior standing, ENGL 3301 and 2310.

ENGL 4302 MODERN ENGLISH GRAMMAR (3)

Explores new trends in English grammar; introduces structural linguistics and transformational grammar; explores aspects of these grammars that lend themselves to effective pedagogical practices. Prerequisites: Junior standing and ENGL 3301.

ENGL 4310 THE ROMANTIC TEMPER (3)

Intensive reading of selected materials from the major English Romantic writers, with special attention given to the origin, growth and development of literary, social and political ideas constituting the main currents of Romantic thought. Prerequisite: ENGL 2320.

ENGL 4320 THE VICTORIAN AGE (3)

The spirit and temper of the Victorian period as seen in representative essays of the great social critics and in the poetry of Tennyson, Browning and Arnold. Prerequisite: ENGL 2320.

ENGL 4321 IMAGES OF WOMEN IN LITERATURE (3)

A study of writings by and about women from historical, sociological and psychological perspectives. Prerequisites: Junior standing and at least one 2000 level literature course.

ENGL 4350 THE ENGLISH NOVEL (3)

A study of the novel as an English language art form. The novels to be studied will vary from semester to semester. Prerequisites: ENGL 2310, 2320, 3320, and 3330.

ENGL 4360 CONTEMPORARY AMERICAN LITERATURE (3)

A study of important movements, figures and ideas that shaped the criticism and practice of twentieth century American literature.

Prerequisites: ENGL 3320 and 3330.

ENGL 4361 CONTEMPORARY BRITISH LITERATURE (3)

A study of important movements, figures, and ideas which shaped the criticism and practice of twentieth-century British Literature. Prerequisites: ENGL 2310 and 2320.

ENGL 4362 SURVEY OF AFRICAN LITERATURE (3)

This course is an intensive critical examination of the commonalities, deviations and diversities in the Literature of Africa. Students will examine the Post Colonial Literature of East, West, North and Southern Africa.

ENGL 4380 ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (3)

Intensive reading in the works of major figures of the neoclassic period in Great Britain. Prerequisites: ENGL 2310 and 2320.

ENGL 4390 LITERATURE AND CRITICISM (3)

This course focuses on the study of critical approaches to literary works and the application of analytical skills to the criticism of literature. Emphasis is on critical reading and writing with the aim of broadening the students' appreciation of literature's interdisciplinary nature. This capstone course is required of all English non-teaching majors. Prerequisite: Senior English major or permission of the instructor and the English department chairperson.

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE
ENGLISH LITERATURE/LIBERAL ARTS
(Non-Teaching)**

FALL SEMESTER			SPRING SEMESTER		
FRESHMAN YEAR					
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Biological Science	BIOL 1450	4	Introduction to Literature	ENGL 2300	3
Biological Science	BIOL 1150	1	Physical Science	CHEM 1411	4
Personal/Social Development	BAS 1210	2	Physical Science Lab	CHEM 1111	1
Quantitative Literacy	MATH 1330+	3	Social Science Elective		3
Health Elective	HLPE	3	Career & Life Planning	BAS 1120	1
			Physical Education	HLPE 11__	1
		<u>16</u>			<u>16</u>
SOPHOMORE YEAR					
English Literature I	ENGL 2310	3	English Literature II	ENGL 2320	3
Humanities Elective		3	US History or American Gov.		3
Social Science Elective		3	Oral Communication	MCOM 2390	3
Foreign Language	MDFL	3	Foreign Language	MDFL	3
Social Science Elective		3	Humanities Elective		3
		<u>15</u>			<u>15</u>
JUNIOR YEAR					
American Literature I	ENGL 3320	3	American Literature II	ENGL 3330	3
College Grammar	ENGL 3301	3	Advanced Composition	ENGL 3310	3
Introduction to Shakespeare	ENGL 3360	3	Humanities Elective		3
Foreign Language	MDFL	3	Foreign Language	MDFL	3
Computer Elective		3	English Elective	ENGL	3
		<u>15</u>			<u>15</u>
SENIOR YEAR					
Literature and Criticism	ENGL 4390	3	History of English Language	ENGL 4301	3
Modern English Grammar	ENGL 4302	3	English Elective	ENGL	3
English Elective	ENGL	3	Free Elective		3
Free Elective		3	Free Elective		3
Free Elective		3	Free Elective		3
		<u>15</u>			<u>15</u>

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE
ENGLISH EDUCATION
(Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Introduction to Literature	ENGL	2300	3
Biological Science Lab	BIOL	1150	1	Physical Science	CHEM	1411	4
Personal/Social Development	BAS	1210	2	Physical Science Lab	CHEM	1111	1
Quantitative Literacy	MATH	1330+	3	Oral Communication	MCOM	2390	3
Personal Health & Safety	HLPE	1310	3	Career & Life Planning	BAS	1120	1
American Government	PSCI	2310	3	Physical Education	HLPE	11__	1
			16				16
SOPHOMORE YEAR							
English Literature I	ENGL	2310	3	English Literature II	ENGL	2320	3
Humanities Elective			3	U.S. History	HIST		3
General Psychology	PSYC	2300	3	Humanities Elective			3
Foreign Language	MDFL		3	Foreign Language	MDFL		3
Found/Dev of Am. Education	EDUC	1300	3	Instructional Media /Technology	EDUC	2309	3
			15				15
JUNIOR YEAR							
Survey Exceptional Child	SPED	2300	3	Advanced Composition	ENGL	3310	3
Psychology of Learning	EDUC	3302	3	American Literature II	ENGL	3330	3
Adolescent Development	EDUC	3301	3	History of English Language	ENGL	4301	3
College Grammar	ENGL	3301	3	Assessing Mid./Sec. Learners	EDUC	3306	3
American Literature I	ENGL	3320	3	Education for Cultural Diversity	EDUC	3235	2
Introduction to Shakespeare	ENGL	3360	3				
			18				14
SENIOR YEAR							
Adolescent Literature	ENGL	3333	3	Directed Teaching/Clinical	EDUC	4600	6
Modern English Grammar	ENGL	4302	3	Directed Teaching/Practicum	EDUC	4608	6
English Methods	EDUC	4303	3				
Classroom Management	EDUC	3303	3				
English Elective	ENGL		3				
			15				12

Modern Foreign Languages

Assistant Professor

Anthony Hobbs

Instructor

John Peterson

Objectives

1. To provide the student with adequate tools for the development of reading skills in languages other than English, especially French and Spanish
2. To lay a foundation for the progressive development of oral and aural skills in these languages
3. To develop a knowledge of and an appreciation for the cultures of other nations through an appreciation of the interplay between language and culture

Modern Foreign Language Courses (MDFL)

MDFL 2310 ELEMENTARY FRENCH I (3)

An introductory course in French emphasizing language skills through basic reading,

writing and speaking. For students with less than two years of high school French.

MDFL 2320 ELEMENTARY FRENCH II (3)

A continuation of French 2310. Prerequisite: MDFL 2310.

MDFL 2320H HONORS FRENCH (3)

Intensive instruction in elementary French for the highly motivated student who has maintained high honors in secondary school French and/or English courses and who has scored 19 or above on the English ACT.

MDFL 3310 INTERMEDIATE FRENCH I (3)

An intermediate course in French which emphasizes language skills through practice in listening, reading, writing and speaking. Prerequisites: MDFL 2310 and 2320.

MDFL 3320 INTERMEDIATE FRENCH II (3)

A continuation of French 3310. Prerequisite: MDFL 3310.

MDFL 2311 ELEMENTARY SPANISH I (3)

An introductory course in Spanish which emphasizes language skills through basic reading, writing and speaking. For students with no previous study of Spanish.

MDFL 2321 ELEMENTARY SPANISH II (3)

A continuation of Spanish 2311.
Prerequisite: MDFL 2311.

MDFL 3311 INTERMEDIATE SPANISH I (3)

An intermediate course in Spanish which emphasizes language skills through practice in listening, reading, writing and speaking. Prerequisites: MDFL 2311 and 2321.

MDFL 3321 INTERMEDIATE SPANISH II (3)

A continuation of Spanish 3311.
Prerequisite: MDFL 3311.

MDFL 3331 ADVANCED CONVERSATIONAL SPANISH (3)

This course is a review of advanced grammar as well as continued practice in conversation. Emphasis on speaking, listening and comprehension. Prerequisite: MDFL 3321.

Humanities and Philosophy

Instructors

Mary Margaret Lynch
Perveen Shahjahan

The general aim of the program in humanities and philosophy is to develop in students important insights into the fundamental

problems of human life. The courses introduce students to the study of the most significant philosophical ideas and systems of the world, with particular emphasis upon the cultivation of the spirit of reflective and critical thinking as an essential part of both a philosophical outlook and a liberal education.

Objectives

1. To acquaint students with major philosophical systems and endeavors through historical and intellectual perspectives
2. To enable students to develop an enduring philosophy of life based on higher values and ideas

Humanities and Philosophy Courses (HUMN)

HUMN 2331 OLD TESTAMENT HISTORY (3)

Surveys the history of the Hebrew people, with emphasis on their religious awareness and on geographical settings within the framework of Bible history. Prerequisite: ENGL 1321.

HUMN 2330 NEW TESTAMENT HISTORY (3)

Surveys the historical and geographical background of the New Testament period. Attention is given to the missionary journeys of Paul and his associates and the historical significance of Christianity.

HUMN 2301 HUMANITIES (3)

A study of the visual arts, music, literature and philosophy of the West and of Africa. Emphasis on learning to make critical judgments from a culturally informed perspective. Prerequisite: ENGL 1321.

HUMN 2301H HONORS HUMANITIES (3)

Same as Humanities 2301, but with more required readings from the old world masterpieces and more in depth analysis of the art, music, literature and philosophy of the cultures studied. Prerequisite: Acceptance into the Honors Program or a score of 20 or higher on the ACT.

HUMN 2302 HUMANITIES II (3)

A cultural study of government, religion, literature, philosophy, architecture, the visual arts and music which form the basis of Western civilization. The course covers the Renaissance to the present, including

African-American contributions and experiences in America. It is a continuation of HUMN 2301 which covers the Ancient and Medieval periods, Africa and Asia. Prerequisite: HUMN 2301.

HUMN 2310 HISTORY OF PHILOSOPHY (3)

Acquaints the student with the principal developments in philosophy from ancient Greece to the contemporary period. Emphasis placed on principal philosophers and their contributions. Prerequisite: ENGL 1321.

HUMN 2340 EFFECTIVE THINKING LOGIC (3)

Acquaints the student with the principles and techniques of correct vs. incorrect reasoning in both deductive logic and inductive logic, in their relation to the basic functions of language and to the modern scientific method. Prerequisite: ENGL 1321.

HUMN 2351 INTRODUCTION TO CHINESE CULTURE (3)

An introduction to the culture, history, and customs of modern China designed for students who plan to study, work, or travel in China. This course includes a rudimentary introduction to spoken and written Chinese.

Theatre and Mass Communications

Professor

Laurence B. Alexander

Assistant Professor

Ann White, Interim Coordinator
of Mass Communications

Instructors

Donna Barnes
Eva Belle
Angela Newkirk
Vickie Newton
LaTonya Richardson
Rhashaun Trammell

The Theatre and Mass Communications program aims to assist students to understand the process of communication and the practice of the dramatic arts, including fundamental concepts and their application through effective communication and artistry. The program emphasizes theory, methodology and art. It seeks to develop aesthetic awareness and dynamic interaction among students, to encourage response to humanistic values inherent in literature and art and to enhance the quality of student creativity. Students are afforded opportunities to learn about themselves and their relationship to others in a social system as they develop

analytical thinking, disciplined curiosity, motivation and professional skills.

The Theatre and Mass Communications program offers two degrees: a Bachelor of Arts degree in Mass Communications with options in Broadcast Journalism or Print Journalism; and a Bachelor of Arts degree in Theatre with options in Acting or Theatre Management.

Objectives

1. To educate and train students to be successful in Theatre, Mass Communications, and related fields
2. To provide students with a firm background in written and oral communication skills
3. To provide students with practical experience related to their chosen profession in addition to high quality classroom instruction
4. To train students to design and produce media programming and theatrical productions using state-of-the-art methods and equipment

5. To assist students in the formulation of personal and professional goals which will benefit them throughout life and to assist them in beginning to actualize these goals
6. To introduce students to local media entities performing arts organizations to encourage them to develop working relationships with professionals in their chosen fields through the internships and practicum experience
7. To encourage student participation in campus and community affairs by producing articles for *The Arkansawyer*, *The Lion*, or the local press or by producing programming for KUAP-FM 89.7 or the university cable station, Channel 24 TV
8. To involve students in the presentation of quality theatrical productions for the university community

B.A. in Mass Communications

The Bachelor of Arts degree in Mass Communications offers options in Broadcast Journalism and Print Journalism. The Broadcast Journalism option is for those majors pursuing careers in radio, television, personnel management and public relations. It affords a combination of academic and technical experiences as well as on-the-job training. The Print Journalism option is designed to prepare students to become successful writers, reporters and editors for the print and broadcast media. Required course content focuses on developing the student's writing skills, editing skills, and critical skills while encouraging the student to understand the role of the journalist from a culturally and historically informed perspective. The degree program encourages students to develop competencies in a foreign language and to have a strong background in the sciences and liberal arts. Both concentrations also prepare students for matriculation in graduate schools.

B.A. in Theatre

The Bachelor of Arts degree in Theatre offers options in Acting and Theatre Management. Both options provide a liberal arts education for careers in dramatic arts. The Acting concentration is for those who desire to pursue careers as stage actors or directors. The Management option is for those who desire careers in the administrative aspect of the industry. The academic side of the major is balanced by studio courses and by participation in dramatic productions on campus and in the immediate community.

Mass Communications Courses (MCOM)

MCOM 2323 COMPUTER EDITING (3)

A computer editing course designed for students who aspire employment in the multimedia market.

MCOM 2324 TELEVISION PRODUCTION (3)

An experience oriented course. Emphasis on camera operation, audio/visual tape, lighting, artistic design, special effects and practical experience in entertainment, public affairs and sports programming. Prerequisite: MCOM 2325.

MCOM 2325 INTRODUCTION TO RADIO-TELEVISION (3)

A general survey of the field of broadcasting. Theory and practice in the fundamentals of radio and television station operation. Attention to special problems of communication via radio and television.

MCOM 2326 MASS MEDIA IN MODERN SOCIETY (3)

A survey of the various fields of mass communication with emphasis on their structure, function, responsibilities, development and impact on society.

MCOM 2336 RADIO PRODUCTION (3)

Emphasis on the various types of radio programming, the study of radio formats and production techniques. Prerequisite: MCOM 2325.

MCOM 2390 ORAL COMMUNICATION (3)

Develops the ability to speak easily and fluently before groups. Emphasizes various arts of speech, including public speaking, oral interpretation, and group discussion. Special emphasis placed on pronunciation, articulation, and vocabulary development.

MCOM 3301 HISTORY OF AMERICAN JOURNALISM (3)

History of American journalism from its origin to the present.

MCOM 3310 NEWS EDITING (3)

A course that focuses on the theory of copy reading and writing headlines.

MCOM 3311 NEWS REPORTING I (3)

Analyzes writing techniques and surveys the various media fields. Students will learn diverse writing and reading styles.

MCOM 3312 NEWS REPORTING II (3)

A continuation of News Reporting I with emphasis on special writing techniques and in-depth reporting. Prerequisite: MCOM 3311.

MCOM 3319 WRITING FEATURES AND EDITORIALS (3)

A study in the technique of writing feature articles for newspapers and magazines. Students will receive practice in writing editorials and in the analysis of editorials. Prerequisites: MCOM 3311, 3312.

MCOM 3331 ARGUMENTATION AND DEBATE (3)

A study of the principles of argumentation and their application in debate. Practice in analysis, reasoning, brief and

case preparation, critical listening, and advocacy.

MCOM 3341 COPYSCRIPT WRITING (3)

Study and practice of basic writing skills required for the production of electronic media messages and programs. Exposure to both short length copy for commercials and public service announcements, and full length feature scripts such as documentaries.

MCOM 3350 TECHNICAL WRITING (3)

Practice in preparing reports, letters, articles, and other forms of writing used in such professions as marketing, management or administration.

MCOM 3351 ELECTRONIC MEDIAPERFORMANCE (3)

Practice in the delivery of electronic media messages. Students will learn techniques of radio and television news anchoring and commercial presentations.

MCOM 3352 MEDIA AND ADVERTISING (3)

A socio-scientific examination of advertising principles as they apply to print and broadcast journalism.

**MCOM 3354 ELECTRONIC
FIELD PRODUCTION (3)**

Practice in the fundamentals of mastering field production techniques. Students gain proficiency in such field production techniques as camera operation, lighting, sound and videotape editing. Prerequisite: MCOM 3351.

**MCOM 3355 PUBLIC
RELATIONS TECHNIQUES (3)**

Examination of the skills and techniques used in the practice of public relations. Particular attention is given to writing for public relations, copy dissemination, media use and network design. Prerequisite: MCOM 2300.

**MCOM 4300 INDEPENDENT
STUDY (3)**

Explores special problems of interest to advanced students. Subject is determined by instructor. The student works alone on selected research projects.

**MCOM 4312 BROADCAST
MANAGEMENT (3)**

Focuses on the roles and responsibilities of managers in broadcast and cable operations, and in independent production houses. Case studies with emphasis on coordination of work units and personnel, legal operations, resource generation, management, and public relations. Prerequisite: Junior Standing.

**MCOM 4313 INTERNSHIP IN
MASS COMMUNICATIONS (3)**

Prearranged and supervised work on local and area newspapers, radio and television stations, and on public relations, publicity, and advertising staffs of civic and business groups. If taken while enrolled as a regular student, no more than three hours credit may be gained in any one semester. Course may be repeated to a maximum of six hours credit. Prerequisites: Consent of Program Coordinator.

**MCOM 4315 MEDIA LAW AND
ETHICS (3)**

An investigation of the laws and ethical principles which apply to print and broadcast journalists. Topics include the definition of libel and slander, the First Amendment, open meeting laws, and Freedom of information laws. Prerequisite: MCOM 3311.

**MCOM 4320 INVESTIGATIVE
REPORTING (3)**

This course involves the in-depth reporting of current issues and current events. Students will research the issues, determine and evaluate sources, analyze information and prepare reports. Prerequisites: MCOM 3311, 3312.

**MCOM 4321 MASS
COMMUNICATION AND THE
WORLD WIDE WEB (3)**

The study and application of mass communication and media-related topics as related to the world-wide web.

Emphasis on the web and the use of the internet by mass communication practitioners.

Prerequisite: Senior standing.

**MCOM 4390 SENIOR
SEMINAR (3)**

An examination of communication issues, theories, models and world communications systems through research, discussion, writing and speaking. Each student will prepare a portfolio which will include a specified number of samples of the student's work such as stories in the campus newspaper, video tapes of student news reports, commercial scripts, etc.

Prerequisite: Senior Standing.

Theatre Courses (THTR)

**THTR 2324 THEATRE
APPRECIATION (3)**

An introduction to the theatre and its appreciation. The historical origins of theatre and its movements are examined. Students will attend performances at UAPB as well as in the larger community.

**THTR 2325 INTRODUCTION
TO THEATRE HISTORY (3)**

A course that examines the history, development, major movements, trends, and styles of drama and theatre from its origins in the dances and rituals of preliterate cultures through the 1600s.

**THTR 2326 CLASSICAL
TRADITION (3)**

A survey of periods of plays with a focus on script reading and comprehension of dramatic literature from Ancient Greek through Restoration era theatre.

THTR 2331 ACTING I (3)

This course is a practical examination of the fundamental elements of acting found on formal and informal stages.

THTR 2332 DIRECTING I (3)

A course that introduces students to theories and aesthetics of directing, functions of the director, and basic principles and techniques of staging.

**THTR 2340 VOICE AND
MOVEMENT (3)**

An introduction to the mechanics of voice for the stage in conjunction with movement and breathing techniques to increase range in the body and voice.

THTR 2361 DESIGN FOR THEATRE (3)

This course is practical study of the theories and principles of stage design and the functions of scene designer. Each student is required to work in technical capacity for the run of a departmental production.

THTR 2365 STAGE LIGHTING (3)

A practical introduction to lighting for the stage. Students are required to work as stage crew for departmental performances. Prerequisite: THTR 2361

THTR 3101 PRODUCTION PRACTICUM (1)

Supervised laboratory experience in technical theatre, construction techniques, scenery, costumes, makeup, lighting, production mounting, rehearsal, performance and theatre management. Meeting times arranged by instructor. Fall only.

THTR 3102 PRODUCTION PRACTICUM (1)

Supervised laboratory experience in technical theatre, construction techniques, scenery, costumes, makeup, lighting, production mounting, rehearsal, performance and theatre management. Meeting times arranged by instructor. Spring only.

THTR 3311 THEATRE MANAGEMENT (3)

An introduction to the practical and financial skills for American theatre management.

THTR 3312 FUNDRAISING FOR THE ARTS (3)

An introduction to principles and practice in fundraising for the nonprofit organization.

THTR 3313 ARTS MARKETING (3)

A course that emphasizes important areas of publicity and promotion including developing a publicity schedule of stories, pictures, radio, etc. Students also work with reservations and house management.

THTR 3331 ACTING II (3)

A continuation of Acting I with concentration in character analysis techniques and character development. Directing II is emphasized, as is participation in departmental productions. Prerequisite: THTR 2331.

THTR 3332 DIRECTING II (3)

An advanced directing course that focuses on the form and structure of a play, physical staging, and action-flow inherent in a script. Prerequisite: THTR 2332.

THTR 3340 VOICE AND MOVEMENT II (3)

A continuation of Voice and Movement I, this course furthers the development of body images, body usage, and awareness, as well as vocal range and clarity.

THTR 3360 INTRODUCTION TO SHAKESPEARE (3)

A study of the art, personality and achievement of Shakespeare as revealed by selected plays and poems. Prerequisites: ENGL 2310 and ENGL 2320.

THTR 3362 SET CONSTRUCTION (3)

Students work with reading and interpreting ground plans, designing and assembling simple sets, and analyzing the construction of sets both on campus and in the professional world.

THTR 3375 COSTUME CONSTRUCTION AND STAGE MAKEUP (3)

A study of the interrelationship of costume history, design, and construction for theatrical production is explored along with period research, color, and fabrics in relation to the actor, director, and designer. Students are required to work with departmental productions.

THTR 3380 STAGE AND COMPANY MANAGEMENT (3)

This is the study of the functions and responsibilities of stage managing, methods and principles used to organize and supervise the production crews, the development of prompt scripts, union (or company) rules, managing of auditions and rehearsals, and the calling of the productions. Prerequisite: THTR 3311

THTR 4101 PRODUCTION PRACTICUM (3)

Supervised laboratory experience in technical theatre, construction techniques, scenery, costumes, makeup, lighting, production mounting, rehearsal, performance and theatre management.

THTR 4102 PRODUCTION PRACTICUM (3)

Supervised laboratory experience in technical theatre, construction techniques, scenery, costumes, makeup, lighting, production mounting, rehearsal, performance and theatre management.

**THTR 4300 DRAMATIC
CRITICISM (3)**

Seminar course investigating the principles of dramatic criticism and the foundational philosophies behind major theatrical movements, beginning with the Greeks and continuing through post-modernism. Prerequisite: THTR 2324/2325.

**THTR 4301 INDEPENDENT
STUDY (3)**

Advanced research on selected topics. Prerequisites: Senior standing, theatre major, consent of instructor.

**THTR 4302 INDEPENDENT
STUDY (3)**

Advanced research on selected topics. Prerequisites: Senior standing, theatre major, consent of instructor.

**THTR 4305 SCRIPT ANALYSIS
(3)**

Basic script analysis from the viewpoint of the playwright, performer, director and designer. Prerequisite: THTR 2324/2325.

**THTR 4306 SENIOR
PROJECT/PORTFOLIO (3)**

For senior-level students only. Intensive research into a specialized topic in dramatic literature, criticism, or theater history. Written and/or oral presentation required.

**THTR 4313 SURVEY OF
CHILDREN'S THEATRE (3)**

An exploration of various techniques used in producing children's theatre as well as the historical and philosophical maturation of the children's theatre movement in America and Europe.

**THTR 4313 THEATRE
HISTORY II (3)**

A continuation of Theatre History I, this course examines the major movements, trends, styles, plays, playwrights, performers and production techniques in theatre from the 1600s to present.

**THTR 4325, 4326, 4327
SPECIAL TOPICS IN THEATRE
(3)**

Special topics for the study of plays, playwrights, theatrical periods, styles and production methods. The content and course subtitle change each time the course is offered.

THTR 4331 ACTING III (3)

An advanced study of contemporary and classical acting techniques, as well as, experimentations with the organic interrelations in acting. Directing II is emphasized, as is participation in departmental productions. Prerequisites: THTR 3331.

**THTR 4340 EXPERIMENTAL
THEATRE (3)**

A senior-level course for students interested in working with new scripts or original ideas for creating a dramatic work.

Prerequisites: THTR 2331, 2332.

**THTR 4341 COMMUNITY
DRAMA (3)**

Students study concepts used in organizing a community theatre. Emphasis is placed on staging activities for a community theatre, including paying royalties, budgeting and selecting plays.

**THTR 4390 INTERNSHIP IN
THEATRE (4-16)**

This course is designed to provide students with an on-site collaborative field experience (with the pre-approval of the department) in the profession. Students must be participating performers, managers, or designers/technicians. May be repeated for a total of 16 credit hours or one semester. Production Practicum credit is waived for each semester students enroll in this course.

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE
THEATRE
ACTING OPTION
(Non-Teaching)**

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Biological Science	BIOL	1450	4	Physical Science	CHEM 1411 4
Biological Science	BIOL	1150	1	Physical Science Lab	CHEM 1111 1
Personal & Social Development	BAS	1210	2	OR Intro to Astronomy	PHYS 1445 4
Quantitative Literacy	MATH	1330+	3	Theatre Appreciation	THTR 2321 3
Personal Health & Safety or				Acting I	THTR 2331 3
Nutrition & Wellness	HLPE		3	Career & Life Planning	BAS 1120 1
				Physical Education	HLPE 11__ 1
			16		16
	SOPHOMORE YEAR				
Oral Communication	MCOM	2390	3	Directed Elective	3
US History or Am. Government			3	Humanities Elective	3
Acting II	THTR	3301	3	Social Science Elective	3
Intro to Lit. or World Literature	ENGL	23_	3	Voice and Movement	THTR 2340 3
Social Science Elective			3	Design for Theatre	THTR 2361 3
			15		15
	JUNIOR YEAR				
Theatre Management	THTR	3311	3	Directed Electives	6
Directing I	THTR	2332	3	Classical Tradition	THTR 2326 3
Foreign Language	MDFL		3	Foreign Language	MDFL 3
Acting II	THTR	4331	3	Production Practicum	THTR 3102 1
Production Practicum	THTR	3101	1	Theatre of African Diaspora	THTR 3330 3
			13		16
	SENIOR YEAR				
Production Practicum	THTR	4101	1	Production Practicum	THTR 4102 1
Directed Electives			12	Senior Project/Portfolio	THTR 4306 3
Contemporary Drama	THTR	3326	3	Directed Electives	8
				Script Analysis	THTR 4305 3
			16		15

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE
THEATRE
THEATRE MANAGEMENT OPTION
(Non-Teaching)**

FALL SEMESTER	FRESHMAN YEAR		SPRING SEMESTER
English Composition I	ENGL	1311 3	English Composition II ENGL 1321 3
Biological Science	BIOL	1450 4	Physical Science & CHEM 1411 4
Biological Science Lab	BIOL	1150 1	Physical Science Lab CHEM 1111 1
Personal & Social Development	BAS	1210 2	OR Intro to Astronomy PHYS 1445 4
Quantitative Literacy	MATH	1330+ 3	Theatre Appreciation THTR 2321 3
Personal Health & Safety or			Acting I THTR 2331 3
Nutrition & Wellness	HLPE	3	Career & Life Planning BAS 1120 1
			Physical Education HLPE 11__ 1
		<u>15</u>	<u>16</u>
	SOPHOMORE YEAR		
Oral Communication	MCOM	2390 3	Directed Elective 3
US History or Am. Government		3	Humanities Elective 3
Fundraising for the Arts	THTR	3312 3	Social Science Elective 3
Intro. to Lit. or World Literature	ENGL	23__ 3	Voice and Movement THTR 2340 3
Social Science Elective		3	Design for Theatre THTR 2361 3
		<u>15</u>	<u>15</u>
	JUNIOR YEAR		
Theatre Management	THTR	3311 3	Directed Electives 6
Directing I	THTR	2332 3	Classical Tradition THTR 2326 3
Foreign Language	MDFL	3	Foreign Language MDFL 3
Arts Marketing	THTR	3313 3	Production Practicum THTR 3102' 1
Production Practicum	THTR	3101 1	Theatre of African Diaspora THTR 3330 3
		<u>13</u>	<u>16</u>
	SENIOR YEAR		
Production Practicum	THTR	4101 1	Production Practicum. THTR 4102 1
Directed Electives		12	Senior Project/Portfolio THTR 4306 3
Contemporary Drama	THTR	3326 3	Directed Electives 8
			Stage/Company Manage THTR 4305 <u>3</u>
		<u>16</u>	<u>15</u>

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE
BROADCAST JOURNALISM OPTION
(Non-Teaching)**

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Biological Science	BIOL	1450	4	Social Science Electives	6
Biological Science Lab	BIOL	1150	1	Physical Science	CHEM 1411 4
Personal & Social Development	BAS	1210	2	Physical Science Lab	CHEM 1111 1
Quantitative Literacy	MATH	1330+	3	Career & Life Planning	BAS 1120 1
Personal Health & Safety or Nutrition and Wellness				Physical Education	HLPE 11__ 1
			3		
			<u>16</u>		<u>16</u>
	SOPHOMORE YEAR				
Intro. to Lit. or World Literature	ENGL	23__	3	US History or Am. Government	3
History of Am. Journalism	MCOM	2300	3	Humanities	HUMN 2301 3
Intro to Radio-Television	MCOM	2325	3	Mass Media in Modern Society	MCOM 2326 3
Computer Editing	MCOM	2323	3	Voice and Movement	THTR 2340 3
Oral Communication	MCOM	2390	3	Humanities	3
Foreign Language	MDFL		3	Foreign Language	MDFL 3
			<u>18</u>		<u>18</u>
	JUNIOR YEAR				
Radio Production	MCOM	2326	3	Advanced Composition	ENGL 3310 3
Broadcast Management	MCOM	4316	3	Graphic Design I	ART 3310 3
Desktop Publishing	ART	3309	3	Electronic Media Performance	MCOM 3351 3
Television Production	MCOM	2324	3	Web Design.	ART 4324 3
Copy Script Writing	MCOM	3341	3		
			<u>15</u>		<u>12</u>
	SENIOR YEAR				
Mass Communication & WWW	MCOM	4321	3	Media Law and Ethics	MCOM 4315 3
Business Communications	BUED	3301	3	College Grammar	ENGL 3301 3
Audio for Video	MUSI	4301	3	Public Relations	MCOM 3320 3
Senior Seminar	MCOM	4390	3	Internship in Mass Communications	MCOM 4313 3
Electronic Field Production	MCOM	3354	3		
			<u>15</u>		<u>12</u>

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE
PRINT JOURNALISM OPTION
(Non-Teaching)**

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Biological Science	BIOL	1450	4	Physical Science &	CHEM 1411 4
Biological Science	BIOL	1150	1	Physical Science Lab	CHEM 1111 1
Personal & Social Development	BAS	1210	2	OR Intro to Chemistry & Lab	CHEM 1410 4 CHEM 1110 1
Quantitative Literacy	MATH	1330+	3	Social Science Electives	6
Personal Health or Nutrition & Awareness	HLPE		3	Career & Life Planning	BAS 1120 1
				Physical Education	HLPE 11__ 1
			<u>16</u>		<u>16</u>
	SOPHOMORE YEAR				
Intro to Lit. or World Lit.	ENGL	23__	3	Humanities	HUMN 2301 3
History of American	MCOM	2300	3	Mass Media in Modern Society	MCOM 2326 3
News Reporting I	MCOM	3311	3	U.S. History or Am. Govt.	3
Foreign Language	MDFL		3	Foreign Language	MDFL 3
Oral Communication	MCOM	2390	3	News Reporting II	MCOM 3312 3
				Humanities Elective	3
			<u>15</u>		<u>18</u>
	JUNIOR YEAR				
News Editing	MCOM	3310	3	Desktop Publishing	ART 3309 3
Computer Editing	MCOM	3319	3	Graphic Design I	ART 3310 3
Technical Writing	MCOM	3350	3	Advanced Composition	ENGL 3310 3
Business Ethics	MGMT	2200	3	Public Relations Techniques	MCOM 3355 3
Basic Photography	ART	3302	3	Writing Features & Editorials	MCOM 3341 3
			<u>15</u>		<u>15</u>
	SENIOR YEAR				
Voice and Movement	THTR	2340	3	Internship in Mass Communications	MCOM 4313 3
Mass Communications & WWW	MCOM	4321	3	College Grammar	ENGL 3301 3
Senior Seminar	MCOM	4390	3	Web Design	ART 4324 3
Media & Advertising	MCOM	3352	3	Media Law & Ethics	MCOM 4315 3
Investigative Reporting	MCOM	4316	3		
			<u>15</u>		<u>12</u>

Department of Music

Michael J. Bates
Interim Chair

Professor

Michael J. Bates

Associate Professor

Richard H. Bailey, Jr.

Assistant Professors

John R. Graham
Sharon Young

Instructors

Andee Book
Darryl K. Evans
Harold Fooster
Demarr Woods

Staff

Sheila Early
Gerome Hudson
James Mincy
Jerri Taylor

Mission Statement

While still embracing its land grant-mission and programs “responsive to the needs of a racially, culturally and economically diverse student population”, the UAPB mission statement stresses “academically deserving students and leadership in a 21st century national and global community.” The Music Department has a mission that is in alignment with that of the University and is dedicated to: offering experiences

and curricula that lead to professional licensure in music education, preparing students for graduate and professional studies in music, providing internship opportunities to provide real-world educational experiences and bolster student marketability, developing performing opportunities that enrich both students and community, producing technologically experienced music professionals, and training students to become leaders and advocates for the music profession.

Vision Statement

The Music Department’s respect for its tradition and history does not come at the expense of embracing change. The department aspires to be an agent of change that enhances both the individual’s quality of life and that of the community by: providing life-long learning experiences via distance learning and other emerging technologies; being a center and resource for teacher excellence in music education; improving the quality of life by producing concerts, master classes and other music activities open to the public; becoming the first choice of students regionally and nationally desiring to enroll in an exceptional program with exceptional opportunities for musical growth. In essence, the department seeks to create a greater appreciation of music’s power to inform, enrich, and inspire.

Goals and Objectives:

Goal 1	Prepare students to become licensed professional music educators by:
	Objective 1.1 Providing curricula and field experiences to prepare students to become teachers;
	Objective 1.2 Providing performance and laboratory experiences to prepare students to lead an ensemble;
	Objective 1.3 Developing general teaching competencies in curriculum development, methodology, pedagogy, selecting instructional materials, and assessment; and
	Objective 1.4 Introducing students to computer assisted software available for music instruction.
Goal 2	Prepare sound recording technology professionals by
	Objective 2.1 Offering a curriculum that provides the knowledge base and skill sets to adapt to a changing professional environment;
	Objective 2.2 Providing pre-professional experiences and internships with area professionals; and
	Objective 2.3 Offering workshops, clinics, and seminars led by industry professional that address current technological changes.
Goal 3	Prepare students for graduate and professional studies in music by:
	Objective 3.1 Providing students with a broad liberal arts education that will prepare them to conduct research in music;
	Objective 3.2 Preparing students to perform at a level expected of independent music professionals; and
	Objective 3.3 Preparing students to be computer literate.
Goal 4	Provide future music professionals with basic skills in music technology by:
	Objective 4.1 Providing practical experiences utilizing technologies available in the typical classroom;

	Objective 4.2 Requiring students to become familiar with age-appropriate music software; and
	Objective 4.3 Providing workshops, tutorials, and seminars in various technologies.
Goal 5	Create an environment that fosters a culture of excellence among a heterogeneous clientele by:
	Objective 5.1 Encouraging and supporting professional development of faculty;
	Objective 5.2 Encouraging and supporting professional development of students; and
	Objective 5.3 Establishing standards for excellence through assessment and using results to improve instruction.
Goal 6	Make our faculty, ensembles, and facilities available as a resource for the community.
	Objective 6.1 Offering workshops, master classes, lectures, concerts, and recitals to the public; and
	Objective 6.2 Providing access to library holdings.

Requirements

The programs of study in music require candidates to complete a minimum of 120 semester credit hours or their equivalent, including the core of general education courses for the particular degree offered. The number of music hours varies with each degree plan.

It is required that music students audition and declare a major applied area of study at the time they enter the program.

Theory Placement/General Music Assessment Examination-(GMAE)

All freshmen must be assessed for placement in theory and applied areas. The Theory Placement Exam determines placement in Prep Theory or Theory I. Students not receiving a passing score on the Theory Placement Exam must register for Prep Theory. Students receiving a passing score will be eligible to register for Theory I. The General Music Assessment portion of the exam will be used to assess the entering student's general knowledge of a broad range of music topics.

Piano Proficiency

All students (with the exception of piano majors who have passed the audition requirement) must take four semesters of class piano. After completing the fourth semester, all students are required to take and pass the Piano Proficiency Exam. The requirements for the Piano Proficiency Exam can be found in the departmental handbook and on the Music Department website.

Applied Music

All entering students intending to major in music must perform and pass an audition on their applied instrument/voice and must complete the "Intent to Major in Music" Form. Entrance auditions will be held prior to the beginning of the fall semester. Information regarding this requirement is available in the Music Office. The department requires proficiency in one

of the following areas of applied music for graduation: piano, voice, percussion, or any of the standard band and orchestral instruments. In order to satisfy the applied music requirement, students must complete a minimum of five to seven semesters in one applied area. Additionally, all majors must register for applied instruction each semester of their residency or until they satisfactorily perform their graduating recital.

Applied Jury

Students are required to play an applied jury at the end of each semester of applied music study. Applied juries assess students' progress in their chosen applied area. These examinations are scheduled immediately before final semester examinations. Students who fail to play an applied jury will receive an "F" in their applied music course and must repeat the applied course.

Sophomore Barrier Examination

All students enrolled in applied Music 2103 must pass the Sophomore Barrier Exam. The Sophomore Barrier Exam assesses students' satisfactory progress in their chosen applied area. The student performs from a required repertoire list (consult the applied music instructor or see website) before the entire music faculty. Students who do not pass the Sophomore Barrier Exam must repeat Music 2103. Students will not be allowed to continue taking upper level courses in their major until this requirement is met.

Graduating Recital

All music majors must perform a public solo recital as partial fulfillment of their graduation requirements. Students must satisfy established requirements regarding the recital content (music literature), length and performance level. Additionally, all students must adhere to the following policy concerning graduating recitals:

The graduating recital must be performed the semester before student teaching, internships, senior projects, or internship in the designated outside field.

During the semester in which the graduating recital is to be performed, the student must register for MUSI 4010, 3010, or 4020 (depending on the student's curriculum). Then the student should schedule the jury date and recital date by the fourth week of the semester. The student is responsible for completing all necessary paperwork related to the graduating recital and submitting this paperwork to his/her applied instructor. The instructor will submit the paperwork with all the necessary signatures and other information to the Music Office. Failure to follow the established protocol will prevent the student from performing the recital during the intended semester.

The student must pass the jury no later than two weeks before the scheduled recital date. At least three faculty members, including the

applied teacher (and when appropriate, the "lead teacher"), must be present at this jury. Additionally, everyone who will perform on the recital (accompanist, accompanying musicians, narrators, etc.) must also be present at this jury.

Recital Attendance

The department schedules student recitals, ensemble concerts, and other performances throughout the school year. All students must register for the non-credit "Recital Attendance" class. The department requires all music majors and minors to attend all departmental concerts and recitals. A grade "pass" or "fail" is awarded to the student, depending on whether or not the student satisfies attendance requirements established for the course. Students must register for and pass at least six semesters of Recital Attendance as a requirement for graduation.

Music Ensembles

Performance ensembles in the Music Department include: Marching Band, Concert Band, Jazz Ensemble, String Ensemble, Woodwind Ensemble, Brass Ensemble, Percussion Ensemble, Wind Symphony, University Singers, Opera Workshop, and Vesper Choir. Membership in these ensembles is based upon audition and is not limited to music majors. Excluding the semester the student is registered for student teaching,

senior project, internship, or special problems, students seeking the B.S. in Music (Teaching or Non-Teaching) degree are required to register for an ensemble each semester depending on their degree. Students must pass a minimum of seven semesters of ensemble to meet graduation requirements. Students seeking a B.S. in Music Sound Recording Technology must enroll in a minimum of four semesters of ensemble.

Applied Music-Piano

Students who wish to elect piano as an applied major may do so only after satisfactory performance of an audition with the applied teacher. The audition covers sight-reading, scales, and the performance of a short composition by J.S. Bach, Ludwig van Beethoven, Wolfgang A. Mozart, Frederic Chopin, or other classical composers. If the audition is not satisfactory, the department encourages students to enroll in the appropriate piano class for one or two semesters, or MUSI 1170 and MUSI 1171. These two classes will not substitute for MUSI 1104 and MUSI 1105. By the end of the second semester of study, if students demonstrate acceptable keyboard proficiency, they will be permitted to elect piano as their applied instrument and will be allowed to register for MUSI 1104.

Applied Music-Voice

Students who wish to elect voice as an applied major may do so only after satisfactory performance of an audition with the applied teacher. While many voice majors do not enter the university with a background in classical music, music reading, theory, or foreign languages, they will be expected to develop mastery in all these areas during their tenure at UAPB.

B.S. in Music (Teaching)

The Department of Music's commitment to a culture of excellence fosters in each student a lifelong pursuit of excellence in music studies, a desire to take an active role in their professional development, and a commitment to professional organizations in the field of music. To this end, the Department of Music, in cooperation with the School of Education, provides a comprehensive program in music education that leads to teacher licensure in the State of Arkansas. The curriculum leads to a Bachelor of Science in Music (Teaching) with a concentration in either vocal/piano or instrumental.

Goal 1	Prepare future leaders in music education.
	Objective 1.1 Prepare students to be advocates for music education.
	Objective 1.2 Prepare students to teach a broad range of instruments and music courses.
	Objective 1.3 Develop competency in keyboard skills, score reading, and conducting.
	Objective 1.4 Develop an understanding of child development in the structuring of curriculum.
	Objective 1.5 Prepare students to handle the administrative tasks of music educators: fiscal responsibilities, recruitment, performance programming, library and equipment conservation, curriculum and scheduling.
	Objective 1.6 Develop effective writing and oral communication skills.
Goal 2	As an HBCU, the department addresses the shortage of licensed minority music educators needed to educate a diverse student population.
	Objective 2.1 Provide content knowledge and experiences necessary to be a music educator in a variety of educational settings.
	Objective 2.2 Develop an appreciation for different styles of life and of learning and an understanding of how learners develop along multiple dimensions.
	Objective 2.3 Develop an awareness of the diversity of populations within various school systems, and learn the means of teaching students of diverse backgrounds through a multicultural approach to music education.
Goal 3	Prepare students to be computer literate and capable of integrating technology into a music setting.
	Objective 3.1 Become familiar with technological resources for music education.
	Objective 3.2 Understand that technology's role is only a means to achieving artistic and intellectual goals and not mastery for its own sake.

Music Plan I –Teaching

Vocal/Piano/Instrumental K-12

General Ed. Requirements	45 hrs.
Area of Specialization Requirements	54 hrs.
Theory I – IV	8
Ear Training I – IV	4
Music History I & II	6
Music Methods Courses (Brass, Percussion, Woodwind, Strings)	4
Diction**	3
Piano Class	4
Conducting I	2
Choral Literature & Conducting**	2
Instrumental Literature & Conducting**	2
Jr./Sr. Seminar	0
Sr. Recital	0
Orchestration and Arranging	3
General Music Methods	3
Vocal Pedagogy**	2
Voice Class ***	2
Band Techniques***	2
Applied Music***	7
Ensemble***	7
Ensemble***	6
Recital Attendance (six required)	0
Professional Ed. Requirements	32 hrs.
Foundation/Development/American Ed.	3
Survey of Exceptional Children	3
Culture Diversity/School/Fam/Comm	2
Human Growth & Development	3
Psychology/Learning/Teach	3
Assessing Middle/Sec/Learning	3
Classroom/Behavior Management	3
Student Teaching – (Clinical)	6
Student Teaching – (Practicum)	6

**Vocal/Piano

***Instrumental

Students seeking a B.S. in Music (Teaching) must take the following exams/proficiencies:

Theory Placement Exam/GMAE	Sophomore Barrier (end of sophomore year)
Audition Placement on Applied Instrument or Voice	Piano Proficiency Exam
AAGE/CAAP Rising Junior (upon attaining 45 hrs. of study)	

Students must pass all sections of Praxis Core by the end of their sophomore year before they can be admitted to the School of Education; and all sections of Praxis II must be passed before a student can register for student teaching. It is recommended that these tests be taken by the second semester of the junior year.

Students seeking a B.S. in Music (Teaching) must also perform a graduating recital. The graduating recital must be performed prior to student teaching.

B.S. in Music/Non-Teaching (Outside Field)

The curriculum leading to a B.S. in Music (Non-Teaching) is intended for students seeking a liberal education or for those who aspire to careers in music other than teaching. Students will complete 15 hours in an outside field that has been approved by the Music

Department and by the Chair of the department from one of the following outside fields: Theater/Mass Communications or Business/Marketing.

Goal 1	Prepare students for graduate studies in music.
	Objective 1.1 Provide a liberal arts education built upon a strong music foundation;
	Objective 1.2 Provide students with computer assisted experiences related to word processing, orchestration, and aural skills; and
	Objective 1.3 Develop effective writing and oral communications skills.
Goal 2	Give the students the skill sets needed to pursue careers throughout the music industry.
	Objective 2.1 Prepare students to be studio teachers and musicians.
	Objective 2.2 Prepare students for careers that integrate music and technology.
	Objective 2.3 Prepare students for careers that combine music and business.
	Objective 2.4 Prepare students for careers in music theater.
Goal 3	Provide a core liberal arts education.
	Objective 3.1 Provide a sequential block of courses and experiences in the liberal and fine arts for students.
	Objective 3.2 Provide university and state core curriculum classes in various fields of study.

B.S. in Music (Non-Teaching) Additional Requirements

Students seeking a B.S. degree in Music (Non-Teaching) must take the following exams/proficiencies:

Theory Placement Test/GMAE	Sophomore Barrier (end of sophomore year)
Audition Placement on Applied Instrument/Voice	Piano Proficiency Exam
CAPP Rising Jr. Exam (upon attaining 45 hrs. of study)	Senior Comprehensive Exam (end of senior year)

The student must designate an outside field and place documentation of that decision on file in the music department. Students, however, may not enroll in an outside field course until they have passed their sophomore barrier exam.

The graduating recital is the prerequisite for MUSI 4611, Internship.

Music Plan II - Non-Teaching Vocal/Piano/Instrumental

General Ed. Requirements	45 hrs
Area of Specialization Requirements	54 hrs
Theory I – IV	8
Sight -Sing./Ear Training	4
Music History I & II	6
Diction**	3
Piano Classes	4
Senior Recital	0
Orchestration and Arranging	3
Voice Class***	2

Vocal Pedagogy**	2
Internship	6
Applied Music	7
Music Ensemble	7
Music Electives**	4
Music Electives***	7
Recital Attendance (six required)	0
Internship	6
Area of Specialization – Business/Marketing Emphasis	15 hrs
Management Information System	3
Consumer Analysis & Behavior	3
Principles of Marketing	3
Business Law	3
Principles of Management	3
Area of Specialization – Theater/Comm. Emphasis	15 hrs
Stage Lighting	3
Voice and Movement	3
Oral Interpretation	3
Play Production Laboratory	3
Acting I	3
History of Theatre	3
TV Production	3
Radio Production	3
Dramatic Criticism	3
Survey of Children Theatre	3
Modern Drama	3
Creative Dramatics	3
Black Drama	3
Play Production	3
Mass Communications	3
Additional Requirements	
Foreign Language	6
*Contingent upon Theory Placement Exam **Piano/Vocal ***Instrumental	

The graduating recital is the prerequisite for MUSI 4611, Internship. The internship, which is designed to be the culminating activity for the degree, must be approved by the Chair of the Music Department and the Chair of the outside field no later than the second week of the semester in which the student has enrolled in MUSI 4611

Applied Music Courses (MUSI)

MUSI 1104, 1105, 2102, 2103, 3109, 3119, 4104, 4105, 4135, 4136, 4137, 4138, 4139, 4140 (1)

All music majors are required to attend individual, weekly, hour-long applied lessons. Students will be exposed to representative repertoire from each major style period and will be expected to master both the musical and technical challenges unique to their applied area. Regular applied lesson attendance is mandatory to ensure success. Students are expected to attend all student recitals, perform once each semester on student recital, and to perform an applied jury each semester. Majors must register for applied instruction throughout their residency or until they satisfactorily perform their graduating recital. The recital must be presented in their major applied area.

MUSI 1160 PIANO CLASS-BEGINNER (1)

A course in practical keyboard facility, sight-reading, elementary improvisation and keyboard harmony. The first of four piano classes mandated for music majors.

MUSI 1161 PIANO CLASS-INTERMEDIATE I (1)

A continuation of content and materials in MUSI 1160, but at the intermediate level. Emphasis on more advanced piano performance techniques, literature, improvisation and advanced keyboard harmony. Prerequisite: MUSI 1160 or by instructor's consent.

MUSI 1162 PIANO CLASS-INTERMEDIATE II (1)

A continuation of keyboard and musical skills introduced in MUSI 1161, striving for greater proficiency in keyboard technique, sight reading, improvisation, repertoire and keyboard harmony. Prerequisite: MUSI 1161 or consent of instructor.

MUSI 1163 PIANO CLASS (1)

An advanced course in piano stressing continued development of the skills from the previous levels. There is a greater emphasis on repertoire. Course can be used as preparation for applied piano study (MUSI 1104). Prerequisite: MUSI 1162 or consent of instructor.

MUSI 1170, MUSI 1171 APPLIED MINOR PIANO (1)

Individual instruction that prepares the student to take the Piano Proficiency exam. The courses emphasize sight-reading, scales and arpeggios, triads and seventh chords, chord progressions, improvisation and preparation for piano performance at the intermediate level. Vocal students will study score and part-reading.

MUSI 1172, MUSI 1173 APPLIED MINOR (Voice) (1)

Laboratory and performance course for students whose applied area is piano. Emphasis on the study of vocal production, score reading and literature. Piano students must perform with a major choral or vocal ensemble. Individual lessons.

MUSI 1231 VOICE CLASS (2)

Designed especially for music students who do not study voice privately. An introductory course in vocal habits, tone production, breathing, phrasing, diction and vocal literature.

MUSI 3010 SOLO RECITAL (SRT Major) (0)

Solo recital performed as part of the requirements for a degree in Sound Recording Technology. This recital must be a minimum of thirty minutes in length. Recital repertoire must be taken from the repertoire lists published in the departmental student handbook (Developmental level and/or above). Prerequisites: MUSI 1104, 1105, 2100, 2101. Student must be enrolled in MUSI 3109 and MUSI 3010 concurrently.

MUSI 4010 SOLO RECITAL (Teaching Major) (0)

Solo recital performed as part of the requirements for a degree in teaching. This recital must be a minimum of one hour in length. Recital repertoire will be taken from the repertoire lists published in the departmental student handbook (Competency level and/or above).

Prerequisites: MUSI 1104, 1105, 2102, 2103, 3109, 3110. Student must be enrolled in MUSI 4104 or higher applied and MUSI 4010 concurrently.

MUSI 4020 SENIOR RECITAL (Non-Teaching Major) (0)

Solo recital performed as part of the requirements for a non-teaching degree. This recital must be a minimum of one hour in length. Recital repertoire may be taken from the repertoire lists published in the departmental student handbook (Mastery level and/or above). Prerequisites: MUSI 1104, 1105, 2102, 2103, 3109, 3110. Student must be enrolled in MUSI 4104 or higher and MUSI 4020 concurrently.

Music Education Courses (MUSI)**MUSI 2124 BRASS WIND METHODS (1)**

Methods, practices, and materials of brasswind pedagogy are taught to the prospective teacher. In addition, the rudiments of playing brasswind instruments are emphasized. This course is a required course for all music education majors and is for music majors only.

MUSI 2125 PERCUSSION METHODS (1)

This course is designed to prepare the student to teach beginning percussion at the elementary and middle school level.

MUSI 2126 STRING METHODS (1)

Class instruction in string instruments with emphasis on teaching principles, methodologies, materials, technologies, and curriculum development for string classes in elementary and secondary schools. Lab experiences in teaching beginning string students in individual and group settings will be an integral part of instruction. Prerequisites: MUSI 1106, MUSI 1206

MUSI 2127 WOODWIND METHODS (1)

Class instruction in woodwind instruments with emphasis on teaching principles, methodologies, material, technologies, and curriculum development for wood wind classes in elementary and secondary schools. Lab experiences in teaching beginning wind students in individual and group settings will be an integral part of instruction. Prerequisites: MUSI 1106, MUSI 1206.

MUSI 2315 DICTION (3)

Introductory diction class for music majors. Study of topics to include pronunciation rules of Italian, German, and French utilizing the International Phonetic Alphabet. Prerequisites: Students must be music majors, applied voice.

MUSI 2350 PUBLIC SCHOOL MUSIC (3)

For elementary education majors. Fundamentals of music, elementary ear training and rhythmic skills,

playing classroom instruments, performance of simple melodies on the piano, study of appropriate song literature and music terminology for grades K-6.

MUSI 4222 BAND TECHNIQUES (2)

For instrumental majors. A study of the program and purpose of the marching band in public schools. Emphasis placed on types of formations, selection of music, writing and arranging of music scores.

MUSI 3310 GENERAL MUSIC METHODS, ELEMENTARY, MIDDLE AND SECONDARY GRADES (3)

The study of children's growth through singing, listening, creativity, rhythmic movement, instrumental and music reading. Opportunity to explore techniques of Orff, Kodaly, Dalcroze, Suzuki and others. Also, the study of materials and methods employed in elementary, junior, middle and secondary schools. Special emphasis on the general music class K-12.

MUSI 4000 JUNIOR/SENIOR SEMINAR (0)

Designed to guide music students through an in-depth review of music history, theory, education and literature for preparation to take the comprehensive and Praxis examinations. Students will receive a pass/fail grade.

MUSI 4227 VOCAL PEDAGOGY

Study of physical aspects of singing and how to teach classical vocal technique. Students will learn the technical concepts of singing through both academic work and lab experience. Prerequisites: Successful completion of sophomore barrier exam.

Music Theory Courses (MUSI)**MUSI 1305 PREP THEORY (3)**

Introductory course for students who do not pass the Theory Placement Exam. This course is a developmental course and cannot be counted toward the degree, nor for hours required in Music Theory block of courses. Study of clefs, scales, key signatures, time signatures, intervals and triads, sight singing and dictation and basic music terminology. Please see the departmental handbook for more details.

MUSI 1206 THEORY I - COMPUTERS IN MUSIC (2) – 1106 SIGHT-SINGING I (1)

A study of diatonic and chromatic scales, intervals, chords, and basic principles of part-writing. Computer-aided instruction materials and piano keyboard exercises are utilized to aid students' understanding of these concepts. Introductory ear-training and melodic and rhythmic dictation are studied. Prerequisites: Passing grade on theory placement exam or satisfactory completion of Prep Theory.

MUSI 2207 THEORY II (2)–2107 SIGHT-SINGING II (1)

Continuation of theory courses 1206/1106. Harmonic progression, types of melodies and cadences, and four-part writing are studied. Harmonic dictation is introduced in aural skills class. Prerequisite: Theory I.

MUSI 2210 THEORY III (2) – 2110 SIGHT-SINGING III (1)

Further study of principles of harmonic structures used by composers of the 17th and 18th centuries. Short arranging projects will be assigned and analysis of four-part chorales will be explored further at this level. Sight-singing III will emphasize harmonic and melodic studies out of the minor modes. Rhythmic studies will involve compound time signatures. Sight-singing melodies explore more clefs. Prerequisites: Theory I and II.

MUSI 3224 THEORY IV (2) – 3124 SIGHT-SINGING IV (1)

Presents advanced harmonic and melodic practices of the Baroque and Classical periods, including use of non-traditional four part chords such as the augmented sixth family, secondary dominants and secondary leading tone chords, and borrowed chords. Sight-singing IV will continue the work begun in the previous semester. Prerequisites: Theory I, II, and III.

MUSI 4310 ORCHESTRATION AND ARRANGING (3)

This course emphasizes the practical study of the qualities and varied capabilities of all orchestral and band instruments. This course teaches the skills of scoring music for band, orchestra, and smaller ensembles. The student will have experiences arranging for band and orchestra. Principles of instrumental scoring and transposition will be taught. Prerequisites: Students must be music majors who have earned a grade of "C" or better in Theory I-IV.

Other Music Courses (MUSI)

MUSI 1004, 1005, 2004, 2005, 3004, 3005, RECITAL ATTENDANCE (0)

All music majors are required to attend recitals and concerts. A minimum of 6 semesters of Recital Attendance must be passed as a graduation requirement. Students should check with their applied teachers for more details. Please see the departmental handbook for more details.

MUSI 4611 INTERNSHIP (6)

The course is designed to provide the students hands-on, practical experience in the chosen area of concentration-Business Marketing/Management, or Theatre/Mass Communication. The internship is to provide the student with opportunities to apply knowledge gained in the

classroom to real-world experiences arts, in arts-related and non-profit organizations, in music business and in public service organizations.

Music History/Literature Appreciation Courses (MUSI)

MUSI 1301 JAZZ HISTORY (3)

This elective course will present the logical musical derivatives and developments of Jazz and point out the important elements that comprise the individual styles of Jazz as they evolved from era to era.

MUSI 2205--JAZZ FUNDAMENTALS (2)

This elective course will present a detailed study of jazz theory and a study of improvisational techniques involved in jazz performance. A study of jazz compositional devices will also be presented along with popularly used jazz symbols and chord progressions and substitutions.

MUSI 2330 MUSIC HISTORY AND APPRECIATION (3)

Designed for non-music majors who elect to study music as a cultural experience. A survey and listening course of music literature from several periods and genres.

MUSI 3321-3322 MUSIC HISTORY (3,3)

A study of the history of music from antiquity to the present time with emphasis on the evolution

and growth of major developments in music, on the historical contexts from which these developments come and on significant composers, performers and theorists. Music literature from all stylistic periods will be studied through listening and score analysis. These classes should be taken in the junior year.

MUSI 4202 MUSIC IN WORSHIP (2)

Significance of music in worship. Historical and practical approach to knowledge required of a church musician. Prerequisite: permission of instructor.

MUSI 4217 VOCAL LITERATURE (2)

Upon completion of this course, students will know a broad history of Western classical song and opera literature, be familiar with the major works and styles of major composers of solo vocal works, be able to plan a recital using standard genres, understand how to continue developing their skills in the future (especially as applies to finding appropriate literature for themselves and others), and be exposed to many different aspects of musicianship as they apply to performance of song and operatic literature.

MUSI 4331 AFRICAN AMERICAN MUSIC (3)

A survey of music by African-American composers.

MUSI 4333 TWENTIETH CENTURY MUSIC (3)

A survey of the significant trends of contemporary music from Impressionism to the present.

Conducting Courses (MUSI)

MUSI 2222 CONDUCTING I (2)

A study of the elements important to the development of competent and effective conductors. The student will study: traits of a good conductor and good conducting, fundamental conducting techniques (proper preparation, beat patterns, cueing, subdivision and divided meters, the use of the left hand, asymmetrical and changing meters, terms, phrasing), the mechanics of expressive conducting (dynamics, tempi, nuance), effective communication by the conductor, and score study and arranging and the use of the computer and music writing software. Also studied will be learning theory. Prerequisites: Sophomore standing with at least two semesters of music theory.

MUSI 3211 CHORAL LITERATURE AND CONDUCTING (2)

Fundamentals of conducting techniques, conducting patterns, physical coordination, the study of literature from the Baroque to the Contemporary, the communication of rhythmic and other expressive elements in choral music. Prerequisites: Theory III, Conducting I.

MUSI 4207 INSTRUMENTAL LITERATURE AND CONDUCTING (2)

Fundamentals of baton techniques with emphasis on selection of literature for instrumental ensembles. Prerequisite: Conducting I.

Music Ensembles (MUSI)

MUSI 1100, 2104, 3102, 4103 PERCUSSION ENSEMBLE (1)

Will perform literature that will cover traditional and contemporary styles and techniques in percussion performance. Prerequisite: consent of instructor and/or audition.

MUSI 1110, 1111, 21111, 2117, 3100, 3111, 4101, 4102 VESPER CHOIR (1)

A study and performance of repertoire from diverse stylistic periods. Generally for experienced singers. Participation not limited to music majors and minors. Prerequisite: audition and consent of instructor.

MUSI 1114, 2114, 3114, 4114 MARCHING BAND (1)

Ensemble active especially during the fall season. Half-time football performances and parades required. Participation not limited to music majors and minors. Prerequisite: consent of instructor and/or audition.

MUSI 1103, 2151, 3151, 4151 CONCERT BAND (1)

Ensemble performs representative concert repertoire. Participation not limited to music majors and minors. Prerequisite: consent of instructor and/or audition.

MUSI 1151, 2151, 3151, 4151 WIND SYMPHONY (1)

Ensemble is a select group of students that performs musical works by renowned and acclaimed composers of all genres of music. Participation not limited to music majors and minors. Prerequisite: consent of instructor and/or audition.

MUSI 2101 WOODWIND EMSEMBLE (1)

Limited to more advanced woodwind students. Participation not limited to music majors and minors. Prerequisite: consent of instructor.

MUSI 1115, 1231, 3103, 4109 STRING ENSEMBLE (1)

An ensemble opened to all string, wind and percussion students. This ensemble performs representative chamber orchestra repertoire. Participation not limited to music majors and minors. Prerequisite: consent of instructor.

MUSI 1101, 2106, 3101, 4107 BRASS ENSEMBLE (1)

Limited to more advanced wind instrumentalists. Participation not limited to music majors and minors. Prerequisite: consent of instructor.

MUSI 1108, 2108, 3106, 4108 UNIVERSITY SINGERS (1)

A large non-select choral group not limited to music majors or minors. Prerequisite: consent of instructor.

MUSI 2115, 2116, 3108, 3118, 4112, 4113 OPERA WORKSHOP (1)

A hands-on exploration of opera with select works studied each semester. Students will have the opportunity to perform as they study the various demands of this art form including research, acting, stage movement, prop and costume building, and ensemble skills. Participation not limited to music majors and minors. Prerequisite: consent of instructor.

MUSI 1122, 1123, 2122, 2123, 3122, 123, 4111, 4123 JAZZ ENSEMBLE (1)

Select group of students who study and perform the various styles of Jazz music. Emphasis is placed on developing the student's improvisational skills. Participation not limited to music majors and minors. Prerequisite: audition and consent of instructor.

B.S. in Music (Non-Teaching)**Sound Recording Technology Emphasis**

The Sound Recording Technology (SRT) emphasis provides the required skills and proficiencies necessary for students who seek careers in the recording arts profession. The SRT degree emphasis meets the demands of an industry that expects musicians to be knowledgeable about music technology, especially sound amplification.

Goal 1	Train and educate students for job opportunities in such areas as recording, audio, forensics and computer-based music.
	1.1 Provide courses that prepare the student to use existing and emerging technologies in sound recording and computer-based music.
	1.2 Provide laboratory experiences that will prepare students to utilize technology currently in use in the industry.
	1.3 Provide courses in Sound Recording Technology sufficient to develop professional competency.
Goal 2	Provide for our students appropriate pre-professional experiences in sound recording and related careers.
	2.1 Provide internships with area professionals.
	2.2 Provide opportunities for students to attend seminars, workshops and industry-sponsored conventions.
	2.3 Sponsor seminars, workshops and lectures on campus conducted by industry professionals and educators on reproduction and recording.
Goal 3	Provide courses and experiences for the university community to gain experience with music related computer equipment, programs and processes.
	3.1 Provide software and instruction in the use of software to enhance knowledge in music theory, history, music education and performance.
	3.2 Provide courses in Musical Instrument Digital Interface (MIDI), tape-based and hard disk based recording techniques and other technologies involved in audio applications.

B.S. in Music (Non-Teaching)

Sound Recording Technology Emphasis (69 hrs.)

General Education Requirements	45 hrs.
Area of Specialization Requirements	30 hrs.
Theory I-IV	8
Sight Singing I-IV	4
Music History	6
Piano Class	4
Applied Music	5
Orchestration & Arranging	3
Music Technology Requirements	30 hrs.
Intro to Studio Rec'd Tech.	3
Intro to Computer Music	3
Intermediate Rec'd Tech	3
Digital Audio Rec'd Tech	3
Audio for Video	3
Music Business	3
Seminar in Adv. Studio	3
Senior Recording Project	3
Studio Internship	6
Music Electives	5 hrs.
Music Ensemble	4 hrs.
Additional Requirements	6
Foreign Language	3
Intro to Business Programming	3

Students seeking a B.S. in Music (Non-Teaching) Sound Recording Technology emphasis must take the following exams/proficiencies:

Theory Placement GMAE	Audition on Applied Instrument/Voice
AAGE/CAPP Rising Junior (upon attaining 45 hours)	Sophomore Exam
Piano Proficiency Exam	Senior Comprehensive Exam

The graduation recital is a prerequisite for MUSI 4600, MUSI 4302, and MUSI 4303.

Music Technology Courses (MUSI)

MUSI 2301 INTRODUCTION TO STUDIO RECORDING TECHNIQUES (3)

A survey of the fundamental techniques of the audio studio recording process, including signal flow, microphones, multi-track recording, audio mixing, signal processing, analog and digital recording, DAT and CD-R recording media as well as live and multi-take recording. Course taught in lecture/lab format with outside assignments involving both library research and hands-on studio lab work. This class is open to all majors.

MUSI 2307 INTRODUCTION TO COMPUTER MUSIC (3)

Designed to introduce students to the fundamental techniques utilized in the MIDI recording studio through practical application and hands-on experiences. Topics covered include basic synthesis, signal flow and routing, computer driven sequencing and patch editing, signal processing, and a brief introduction to basic two-track (Phillips format) direct recording techniques. This class is open to all majors.

MUSI 3300 AUDIO FOR VIDEO TECHNIQUES (3)

In-depth study of the process used in creating music for and synchronizing music to visual media. Topics include film scoring, music for television, synchronization signal flow, microphone

placement, multi-track recording, audio mixing, signal processing, analog and digital recording, as well as SMPTE and MTC time codes. Course taught in lecture/lab format with outside assignments involving both library research and hands on studio lab work. Prerequisite: MUSI 3301 Intermediate Studio Recording Techniques and MUSI 2307 Introduction to Computer Music Applications.

MUSI 3301 INTERMEDIATE STUDIO RECORDING TECHNIQUES (3)

Course focus is upon audio signal processing including gating, expansion, compression, equalization, reverberation, and digital delay, as well as signal flow and precise microphone placement in a multi-track audio recording setting. Extensive work in production studio mix-down. Topics also include live recording techniques. The course is taught in lecture/lab format with outside assignments involving both library research and hands-on studio lab work. Prerequisite: MUSI 2301 Introduction to Studio Recording Techniques.

MUSI 3302 MUSIC BUSINESS (3)

Music Business is a general study of the music industry and music business opportunities. Topics to be covered include the freelance musician, contracts, copyrighting, publishing, music licensing, unions and guilds, artist management, the recording studio environment, recording contracts, taxes and alternative careers in the music industry. Prerequisites: MUSI 2302 and enrollment as a declared SRT major or

minor, or permission of the instructor. This class is open to all majors.

MUSI 4301 DIGITAL AUDIO RECORDING TECHNIQUES (3)

Course focus is upon digital audio processing, editing, and post-production mastering techniques utilizing computer based digital audio techniques. Topics include use of equalization in a postproduction setting, compact disc p/q coding, and red and orange book stands. Other topics include audio forensics, time expansion and compression, and multiple filter gating. Course requires extensive work in the Department's post-production mastering suite. Course taught in lecture/lab format with outside assignments involving both library research and hands-on studio lab work. Prerequisite: MUSI 3301 Intermediate Studio Recording Techniques.

MUSI 4302 SEMINAR IN ADVANCED STUDIO TOPICS (3)

The concurrent integrative seminar is a critical part of the learning experience. It supports students in integrating the curriculum of the sound recording technology emphasis area with the field experience of MUSI 4600, Studio Internship. Course focus is upon practical application of techniques of studio recording in a commercial atmosphere. The goal of this seminar is to assist the student with the field experience and to increase the knowledge base skills between classroom content and field application. This course is to be taken concurrently with MUSI 4600 Studio Internship and MUSI 4303 Senior Recording Project.

Prerequisites: MUSI 4301 Digital Audio Recording Techniques and MUSI 3300 Audio for Video Techniques.

MUSI 4303 SENIOR RECORDING PROJECT (3)

This course is designed for students majoring in the sound recording technology emphasis area within the Department of Music. This course, taught in a directed study methodology, is an opportunity for direct application of curriculum content in the production of a major recording project to be determined through consultation with the instructor. The end product should represent the culminating abilities of the student and should be consistent with the standards of the profession at large and the Department of Music in particular. The course is to be taken concurrently with MUSI 4302 Seminar in Advanced Studio Topics and MUSI 4600 Studio Internship. Prerequisites: MUSI 4301 Digital Audio Recording Techniques and MUSI 3300 Audio for Video Techniques.

MUSIC 4320 COMPUTER-ASSISTED INSTRUCTION FOR GENERAL MUSIC (3)

A study of instructional materials, programs, hardware and software for use with computers. Individual study and assignments are a part of the course evaluation.

MUSI 4600 STUDIO INTERNSHIP (6)

This internship is a course in which the student participates in a monitored internship program for one semester at a recording facility, live sound company, house of worship, or other agreed upon

professional location. Focus is upon the practical application of techniques of studio recording in a commercial music environment. Topics included but are not limited to: the day-to-day functioning of a studio, production, billing, studio and equipment maintenance, and the equipment selection. This course is to be taken concurrently with MUSI 4302 Seminar in Advanced Studio Topics and MUSI 4303 Senior Recording Project. Prerequisites: MUSI 4301 Digital Audio Recording Techniques and MUSI 3300 Audio for Video Techniques.

Curriculum for a Minor in Music

Theory Component

Theory I/Computers in Music	1206
Sight Singing I	1106
Theory II/Computers in Music	2207
Sight Singing II	2107

History Component

Music History II	3322
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Performance Component

Applied Music I	1104
Applied Music II	1105
Piano Class	1160
Piano Class/Intermediate	1161
Ensemble (two semesters)	

Electives (to be chosen from the following courses):

Theory II	2210
Sight Sing III	2110
Music History	3321
Conducting I	2222
Public School Music	2350
Piano Class Intermediate II	1162
Intro. to Studio Recording Tech.	2301
Intro. to Computer Music	2307
Music Business	3302

TOTAL HOURS REQUIRED -- 18 HRS

Curriculum for Bachelor of Science Degree in Music Piano/Vocal or Instrumental Emphasis (Teaching)

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
Recital Attendance	MUSI	1004	0	Recital Attendance	MUSI 1005 0
Applied Major	MUSI	1104	1	Applied Major	MUSI 1105 1
P.E. or Ensemble			1	Ensemble	MUSI 1 1
*Prep Theory – (NC)	MUSII	1305	0	Theory I	MUSI 1206 2
Piano Class	MUSI	1160	1	Sight-Singing I	MUSI 1106 1
English Comp I	ENGL	1311	3	Piano Class	MUSI 1161 1
Personal & Social Development	BAS	1210	2	English Comp II	ENGL 1321 3
Art Appreciation	ART	2340	3	Foundation /Dev/American Ed.	EDUC 1300 2
Personal Health & Safety	HLPE	1310	3	Physical Science	CHEM 1411 4
Career Life Planning	BAS	1120	3	Voice Class**	MUSI 1231 2
College Algebra	MATH	1330	3		
			18		16-17
	SOPHOMORE YEAR				
Recital Attendance	MUSI	2004	0	Recital Attendance	MUSI 2005 0
Applied Major	MUSI	2102	1	Applied Major	MUSI 2103 1
Ensemble	MUSI		1	Ensemble	MUSI 1 1
Theory II	MUSI	2207	2	Theory III	MUSI 2210 2
Sight Singing II	MUSI	2107	1	Sight-Singing III	MUSI 2110 1
Woodwind Methods	MUSI	2126	1	Piano Class	MUSI 1163 1
Piano Class	MUSI	1162	1	Oral Communication	MCOM 2390 2
Biological Science	BIOL	1450	4	Conducting I	MUSI 2222 2
Biological Science Lab	BIOL	1150	1	Diction**	MUSI 2315 3
Intro to Literature	EBGL	2300	3	US History	HIST 2318 3
Intro to Social Science	SOCI	1320	3		
			17		15-18
	JUNIOR YEAR				
Recital Attendance	MUSI	3004	0	Recital Attendance	MUSI 3005 0
Applied Major	MUSI	3109	1	Applied Major	MUSI 3119 1
Ensemble	MUSI		1	Ensemble	MUSI 1 1
Theory IV	MUSI	3224	2	Music History II	MUSI 3322 3
Sight-Singing IV	MUSI	3124	1	General Music Methods	MUSI 3310 3
Music History I	MUSI	3321	3	Brasswind Methods	MUSII 2124 3
String Methods	MUSI	2126-	1	General Psychology	PSYC 2300 3
Cultural/Div/School/Fam/Comm	EDUC	3236	2	Survey of Exceptional Child	SPED 2300 3
Jr./Sr. Seminar	MUSI	4000	0	Choral Lit. & Conducting**	MUSI 3211 2
Human Growth & Development	EDUC	3301	3	Percussion Methods	MUSI 2125 1
Instrumental Lit. & Conducting	MUSI	4207	2		
			16		16-18
	SENIOR YEAR				
Senior Recital	4010		0	Student Teaching (Clinical)	EDUC 4600 6
Applied Major	MUSI	4104	1	Student Teaching/Practicum/Music	EDUC 4612 6
Vocal Pedagogy**	MUSI	4207	2		
Psychology of Learn./Teaching	EDUC	3302	3	Note: Testing Seminar is not required	
Classroom Management	EDUC	3303	3	if student passes Praxis during the	
Assessing Middle School Learners	EDUC	3366	1	Freshman year.	
Orchestration and Arranging	MUSI	4310	3		
Band Technique****	MUSI	4222	2		
Ensemble	MUSI		1		
			16		12

*Contingent upon results of Theory Placement Exam. Does not count toward required degree hours

**Piano/Vocal Emphasis

***Instrumental Emphasis

Piano Emphasis must take an additional four (4) hours of electives.

**Curriculum for Bachelor of Science Degree In Music
Sound Recording Technology Emphasis**

FALL SEMESTER				FRESHMAN YEAR				SPRING SEMESTER			
Recital Attendance	MUSI	1004	0	Recital Attendance	MUSI	1005	0	Recital Attendance	MUSI	1005	0
Applied Major	MUSI	1104	1	Applied Major	MUSI	1105	1	Applied Major	MUSI	1105	1
Ensemble	MUSI		1	Ensemble	MUSI		1	Ensemble	MUSI		1
*Prep Theory	MUSI	1305	0	Theory I	MUSI	1206	2	Theory I	MUSI	1206	2
Piano Class	MUSI	1160	1	Sight-Singing I	MUSI	1106	1	Sight-Singing I	MUSI	1106	1
English Comp I	ENGL	1311	3	Piano Class	MUSI	1161	1	Piano Class	MUSI	1161	1
College Algebra	MATH	1330	3	English Comp II	ENGL	1321	3	English Comp II	ENGL	1321	3
Personal & Social Dev	BAS	1210	2	Biological Science	BOIL	1450	4	Biological Science	BOIL	1450	4
Oral Communication	MCOM	2390	3	Career & Life Planning	BAS	1120	1	Career & Life Planning	BAS	1120	1
PE Activity	HLPE		1	US History	HIST	2318	3	US History	HIST	2318	3
			<u>15</u>				<u>17</u>				<u>17</u>
				SOPHOMORE YEAR							
Recital Attendance	MUSI	2004	0	Recital Attendance	MUSI	2005	0	Recital Attendance	MUSI	2005	0
Applied Major	MUSI	2102	1	Applied Major	MUSI	2103	1	Applied Major	MUSI	2103	1
Ensemble	MUSI	2114	1	Ensemble	MUSI	2105	1	Ensemble	MUSI	2105	1
Theory II	MUSI	2207	2	Theory III	MUSI	2210	2	Theory III	MUSI	2210	2
Sight Singing II	MUSI	2107	1	Sight-Singing III	MUSI	2110	1	Sight-Singing III	MUSI	2110	1
Piano Class	MUSI	1162	1	Piano Class	MUSI	1163	1	Piano Class	MUSI	1163	1
Intro to Lit	ENGL	2300	3	Personal Health & Safety	HLPE	1310	3	Personal Health & Safety	HLPE	1310	3
Intro to Studio Rec Tech	MUSI	2301	3	Intro to Computer Music	MUSI	2307	3	Intro to Computer Music	MUSI	2307	3
Physical Science	CHEM	1411	4	Intermediate Rec. Tech.			3	Intermediate Rec. Tech.			3
			<u>16</u>				<u>15</u>				<u>15</u>
				JUNIOR YEAR							
Recital Attendance	MUSI	3004	0	Recital Attendance	MUSI	3005	0	Recital Attendance	MUSI	3005	0
Applied Major	MUSI	3109	1	Audi for Video	MUSI	3300	3	Audi for Video	MUSI	3300	3
Theory IV	MUSI	3224	2	Music History II	MUSI	3322	3	Music History II	MUSI	3322	3
Sight-Singing IV	MUSI	3124	1	Foreign Language	MDFL	2311	3	Foreign Language	MDFL	2311	3
Music History I	MUSI	3321	3	Music Elective	MUSI		2	Music Elective	MUSI		2
SRT Recital	MUSI	3010	0	Music Business	MUSI	3302	3	Music Business	MUSI	3302	3
Art Appreciation	ART	2340	3	Humanities	HUMN	2301	3	Humanities	HUMN	2301	3
Music Business	MUSI	2301	3	General Psychology				General Psychology			
Intro. to Social Science	SOCI	1320	3								
			<u>16</u>				<u>17</u>				<u>17</u>
				SENIOR YEAR							
Intro. to Bus. Programming	CPSC	2363	3	Seminar in Adv Studio Topics	MUSI	4302	3	Seminar in Adv Studio Topics	MUSI	4302	3
Digital Audio Rec'd Tech.	MUSI	4301	3	Senior Recording Project	MUSI	4303	3	Senior Recording Project	MUSI	4303	3
Music Electives	MUSI		3	Studio Internship	MUSI	4600	6	Studio Internship	MUSI	4600	6
Orchestration and Arranging	MUSI	4310	3								
			<u>12</u>				<u>12</u>				<u>12</u>

*Contingent upon results of Theory Placement Exam. Does not count towards required degree hours

**Prep Theory - **Piano/Vocal Emphasis

****Instrumental Emphasis

Piano Emphasis must take four additional hours of electives.

**Curriculum for Bachelor of Science Degree in Music
Piano/Vocal or Instrumental Emphasis (Non-Teaching) OUTSIDE FIELD**

FALL SEMESTER			FRESHMAN YEAR			SPRING SEMESTER		
Recital Attendance	MUSI	1004	0	Recital Attendance	MUSI	1005	0	
Applied Major	MUSI	1104	1	Applied Major	MUSI	1105	1	
Ensemble	MUSI		1	Ensemble	MUSI		1	
*Prep Theory – (NCI)	MUSII	1305	0	Theory I	MUSI	1206	2	
Piano Class	MUSI	1160	1	Sight-Singing I	MUSI	1106	1	
Personal Health and Safety	HLPE	1310	3	Piano Class	MUSI	1161	1	
English Comp I	ENGL	1311	3	English Comp II	ENGL	1321	3	
College Algebra	MATH	1330	3	Physical Science	CHEM	1411	4	
Career & Life Planning	BAS	1120	1	General Psvc.	PSYC.	2300	3	
PE Activity	HLPE	—	1					
Personal Social Development	BAS	1210	2					
			<u>16</u>				<u>16</u>	
SOPHOMORE YEAR								
Recital Attendance	MUSI	2004	0	Recital Attendance	MUSI	2005	0	
Applied Major	MUSI	2102	1	Applied Major	MUSI	2103	1	
Ensemble	MUSI		1	Ensemble	MUSI		1	
Theory II	MUSI	2207	2	Theory III	MUSI	2210	2	
Sight Singing II	MUSI	2107	1	Sight-Singing III	MUSI	2110	1	
Piano Class	MUSI	1162	1	Piano Class	MUSI	1163	1	
Intro. to Lit	ENGL	2300	3	Intro. to Social Science	SOCI	1320	3	
Biological Science	BIOL	1450	4	Oral Communication	SPCH	2390	3	
Biological Science Lab	BIOL	1150	1					
Voice Class***	MUSI	1231	2	American Gov't	HIST	2312	3	
Art Appreciation	ART	2340	3	Foreign Language	MDFL	2311	3	
			<u>16-18</u>				<u>18</u>	
JUNIOR YEAR								
Recital Attendance	MUSI	3004	0	Recital Attendance	MUSI	3005	0	
Applied Major	MUSI	3109	1	Applied Major	MUSI	3119	1	
Ensemble	MUSI		1	Ensemble	MUSI		1	
Theory IV	MUSI	3224	2	Music Appreciation	MUSI	2330	3	
Sight-Singing IV	MUSI	3124	1	Music History II	MUSI	3322	3	
Music History I	MUSI	3321	3	Diction**	MUSI	2315	3	
Foreign Language	MDFL	2321	3	Outside Field			3	
Vocal Pedagogy**	MUSI	4207	2	Outside Field			3	
Orchestration & Arranging	MUSI	4310	3					
			<u>14-16</u>				<u>14-17</u>	
SENIOR YEAR								
Senior Recital	MUSI	4020	0	Internship	MUSI	4611	6	
Applied Major	MUSI	4104	1	Music Elective	MUSI		3	
Ensemble	MUSI		1	Music Elective	MUSI		3	
Outside Field			3					
Outside Field			3	Instrumental Majors (7) hrs.				
Outside Field			3	Vocal Majors – (5) hrs.				
Music Elective	MUSI		1	(Electives)				
			<u>12</u>				<u>12</u>	

*Contingent upon results of Theory Placement Exam. Does not count towards required degree hours

Piano/Vocal Emphasis *Instrumental Emphasis -- Piano Emphasis exempt from Piano classes must take four (4) additional hours of Music electives. Electives: Instrumental 7 hrs. – Vocal 4 hrs.

Department of Social and Behavioral Sciences

Jerry Ingram, Interim
Chairperson

Professors

Gurdeep Khullar
Albert Toh

Associate Professors

Gloria Davis
John Foster
Jerry Ingram
Michael Lynch

Assistant Professors

Angela Andrade
Anthony Austin
Kevin Butler
John House
Joseph Jones
Nathaniel Newman
Bernita Patterson

Instructors

LaKisha Johnson
Shurunda Thrower
David Vaughn

The Department of Social & Behavioral Sciences houses degree programs in Criminal Justice, Gerontology, History, Political Science, Psychology, Social Work, Sociology, Social Studies (Teaching), and offers service courses in Geography and Anthropology. The department seeks to provide

undergraduate instruction that enhances student learning and enriches the lives of our students for life. It provides a firm foundation in liberal arts education as well as training in the techniques and procedures of scientific inquiry. Students are properly prepared for careers in their chosen fields of study and also for graduate and professional schools.

Objectives

1. To teach students concepts, theories and methods of the social and behavioral sciences
2. To introduce students to the basic social processes of society, social institutions and patterns of social behavior
3. To train students to interpret objectively and to understand the role of social processes, social institutions and social interactions in their lives
4. To enable students to cope effectively with the socio-cultural and interpersonal processes of a constantly changing, complex society

5. To train students for positions in criminal justice, gerontology, social studies, social work; for teaching positions in history and social studies; and for professional schools
6. To prepare students for graduate study in criminal justice, gerontology, history, political science, psychology, social work and sociology

Criminal Justice

B.A. in Criminal Justice

The Criminal Justice Program offers a course of study to prepare the pre-service student for entry into an occupation related to criminal justice.

The program offers an introduction to the study of crime and its causes, the law enforcement system, the correctional system and the judicial system. Through an academic program of integrated, interdisciplinary sequence of courses in the behavioral and social sciences, students can broaden their skills and direct their talents and occupational interests. By choosing appropriate criminal justice electives, students can

concentrate in one of two areas of specialization: law enforcement or corrections.

Objectives

1. To prepare students for employment in law enforcement and/or criminal corrections
2. To aid employed law enforcement and correctional officers in achieving professional growth and competence while preparing them for positions of increasing responsibility
3. To provide students seeking an understanding of the processes in the administration of justice a cultural part of their higher education

General Requirements

The Bachelor of Arts in Criminal Justice requires a minimum of 120 total hours and 42 semester hours of core course work.

1. Majors must earn a grade of "C" or better in all required courses in Criminal Justice as specified in the degree plan.

2. Majors in Criminal Justice must meet all of the institutional requirements of the university. Requirements listed below in areas other than Criminal Justice supplement, but do not supplant, institutional General Education requirements.

Required Courses (21)

CRJU 2350 Introduction/ to Criminal Justice
 CRJU 2355 Introduction to Corrections
 CRJU 2370 Judicial Process
 CRJU 3343 Juvenile Delinquency
 CRJU 3365 Criminal Law
 CRJU 4325 Seminar in Criminal Justice
 CRJU 4330 Research Methods in Criminal Justice

Criminal Justice Electives (21)

CRJU 2335 Arkansas Juvenile Law and Procedures
 CRJU 2380 Victimology
 CRJU 2385 Probation & Parole
 CRJU 3340 Criminology
 CRJU 3352 Legal Aspects of Corrections
 CRJU 3354 Community-Based Corrections
 CRJU 3356 Juvenile Correctional Sys.
 CRJU 3363 Police Community Rel.
 CRJU 3364 Legal Aspects of Law Enforcement
 CRJU 4328 Criminal Procedures
 CRJU 3368 Principles of Law and Evidence
 CRJU 4315 Independent Study in Criminal Justice
 CRJU 4326 Constitutional Law for Criminal Justice
 CRJU 4363 Administration & Management of Criminal Justice Agency
 CRJU 4650 Internship in Criminal Justice

Minor in Criminal Justice (18 hours)

For students who desire to have a minor in criminal justice, at least eighteen (18) hours are required.

The required courses are:

CRJU 2350 Introduction to Criminal Justice
 CRJU 2355 Introduction to Corrections
 CRJU 2370 Judicial Process
 CRJU 3340 Criminology
 CRJU 3343 Juvenile Delinquency
 CRJU 3365 Criminal Law

Criminal Justice Courses (CRJU)

CRJU 2335 ARKANSAS JUVENILE LAW AND PROCEDURES (3)

A framework of substantive law for Arkansas Juvenile Courts. Provisions of Arkansas and Federal law pertaining to juveniles: guardianship, student dismissal from public school, legal disabilities of minors (voting, marriage, compulsory school attendance, child abuse reporting laws, dependency and neglect)

CRJU 2350 INTRODUCTION TO CRIMINAL JUSTICE (3)

History, philosophy and functions of components of the system for social control.

CRJU 2355 INTRODUCTION TO CORRECTIONS (3)

A survey of contemporary correctional treatment techniques and procedures, the purpose and functions of correctional institutions. Methods of social rehabilitation in treating correctional clients, role of the social worker in a correctional setting, career opportunities in corrections and correctional rehabilitation.

CRJU 2370 THE JUDICIAL PROCESS (3)

An introduction to the judicial process, with analysis and evaluation of the main institutions and considerations affecting the administration of justice in the United States. Uses a comparative approach and covers all judicial levels, with emphasis placed on the American state and local judicial systems.

CRJU 2380 VICTIMOLOGY (3)

The scientific study of victimization, including the relationships between victims and offenders, the interaction between victims and the criminal justice system, and the connection between victims and other social groups and institutions.

CRJU 2385 PROBATION & PAROLE (3)

Development, organization, operation and result of systems of probation and parole as substitutions for incarceration; methods of selection, prediction scales, dynamics of parolees' readjustment after incarceration, comparison of rules and supervision methods.

CRJU 3340 CRIMINOLOGY (3)

An examination of crime and criminals. Considers the extent of crimes, theoretical explanations of criminal and delinquent behavior. Covers the criminal justice system: the courts, police, probation, parole and the prison system. Research into rehabilitative efforts. Prerequisites: CRJU 2355, CRJU 2350.

CRJU 3343 JUVENILE DELINQUENCY (3)

A study of the social conditions under which delinquent behavior develops, the agencies that deal with it and the theoretical and methodology to understand it.

CRJU 3352 LEGAL ASPECTS OF CORRECTIONS (3)

A discussion of legal problems from conviction to release: pre-sentence investigation, sentencing, diversion and alternatives to incarceration and confinement. Prerequisite: CRJU 2355.

CRJU 3354 COMMUNITY-BASED CORRECTIONS (3)

An analysis of the history, theory, philosophy and function of community based correctional systems. Prerequisite: CRJU 2350.

CRJU 3356 JUVENILE CORRECTIONAL SYSTEMS (3)

The purpose and role of the special correctional systems designed to handle juvenile offenders. Prerequisite: CRJU 3343.

CRJU 3363 POLICE COMMUNITY RELATIONS (3)

General discussion of the functions and roles of law enforcement officers in relation to the individual, social groups and the overall community.

CRJU 3364 LEGAL ASPECTS OF LAW ENFORCEMENT (3)

A survey of the legal problems of criminal investigation, arrest, search and seizure. Prerequisite: CRJU 2350.

CRJU 3365 CRIMINAL LAW (3)

An analysis of the history and development of the criminal law as a system of social control. Prerequisites: CRJU 2350, CRJU 2355.

CRJU 3368 PRINCIPLES OF LAW EVIDENCE (3)

Provides criminal justice personnel with the understanding and appreciation of the rules of evidence of the persecution of criminal cases. Prerequisites: CRJU 2350, CRJU 2385.

CRJU 4315 INDEPENDENT STUDY IN CRIMINAL JUSTICE (3)

A course offering advanced students an opportunity to pursue independent study or research in an appropriate area of criminal justice.

CRJU 4325 SEMINAR IN CRIMINAL JUSTICE (3)

For the advanced student. Covers special topics of current interest in criminal justice, corrections, law enforcement and social rehabilitation. Prerequisite: Graduating Senior status.

CRJU 4326 CONSTITUTIONAL LAW FOR CRIMINAL JUSTICE (3)

Constitutional law with emphasis on the criminal aspects of law. Provides a greater insight of the reason why criminal justice personnel are limited in their responsibilities and power.

CRJU 4328 CRIMINAL PROCEDURES (3)

Study of the government's power to enforce criminal laws in a free society through the use of the justice system.

Prerequisites: CRJU 2370, CRJU 3340, CRJU 3365.

CRJU 4330 RESEARCH METHODS IN CRIMINAL JUSTICE (3)

The course introduces students to basic methods of research in the field. It offers students the opportunity to observe the interaction of theory, research and practice in the criminal justice process. Students will learn to apply various research and statistical techniques, and produce draft research proposals. They will also learn to better read and comprehend research reports within the criminal justice field.

Prerequisites: CRJU 2350, CRJU 2355, CRJU 2385, CRJU 3340.

CRJU 4363 ADMINISTRATION AND MANAGEMENT OF CRIMINAL JUSTICE AGENCIES (3)

The principles of administration and management applied to law enforcement and correctional agencies. Prerequisites: CRJU 2350, CRJU 2355, CRJU 2385, CRJU 3365

CRJU 4650 INTERNSHIP IN CRIMINAL JUSTICE (6)

Designed to provide the student with a supervised internship in an appropriate criminal justice agency. Prerequisites: CRJU 2350, CRJU 2355, CRJU 2370, CRJU 2385, CRJU 3365.

Gerontology

B.A. in Social Sciences: GERONTOLOGY

Gerontology is a program designed to provide students with a background in the liberal arts and a core of general and specialized courses in gerontology. Candidates for the degree receive fundamental knowledge of aging processes, specialized training in a job-related area of gerontological services and experiential learning. The gerontology program is designed to provide students with two training components:

1. A general core of gerontology courses that incorporates strong rural and minority elements in all course work (36 semester hours); and
2. Specialized training in one of two tracks: Practice or Administrative. This component requires six (6) semester hours concentrated in the junior and senior years.

Objectives

1. To provide a broad-based academic program for students interested in careers in the field of aging
2. To recruit and train students for careers in gerontology, with an emphasis on minority students and those interested in working with the elderly in rural areas
3. To train persons employed in service-oriented programs for the elderly
4. To maintain a link between training and research which focuses on assisting rural and minority elderly
5. To prepare students for the realities of the job market by providing experiential learning through practicums and the creation of job forums and career placement counseling

2. Majors in Gerontology must meet all of the institutional requirements of the university. Requirements listed below in areas other than Gerontology supplement, but do not supplant, institutional General Education requirements.

Required Courses (15 hours)

GRON 2300 Intro to Soc. Gerontology
 GRON 3311 Biology and Psychology of Aging
 GRON 3327 Social Policy and Aging
 GRON 3345 Death and Dying
 GRON 3351 Health Care of the Older Adult

Gerontology Tracks (27 hours)

Directed Electives: (21)

GRON 2310 Case Management and Assessment
 GRON 3309 Housing for Aged
 GRON 3347 Work/Leisure/Retirement
 GRON 4322 Seminar in Gerontology
 GRON 4344 Gerontology Community Services
 GRON 4660 Field Internship

Directed Tracks: (6 hours)

PRACTICE TRACK:

RECR 3322 Program/Planning Recreation
 SWRK 2305 Introduction to Social Work
 HUSC 2340 Adult Development

ADMINISTRATIVE TRACK:

MGMT 3318 Human Resources Mgmt
 GRON 4356 Business of Gerontology

General Requirements

The Bachelor of Arts in Social Sciences: Gerontology track requires a minimum of 120 hours.

1. Majors must earn a grade of "C" or better in all required courses in Gerontology as specified in the degree plan.

Electives (6 hrs)

Six hours to be selected from any area, including ROTC.

Minor in Gerontology (18 hours)

For students who desire to have a minor in gerontology, at least eighteen (18) hours are required.

The required courses are listed below.

GRON 2300 Introduction to Gerontology

GRON 2310 Case Management and Assessment

GRON 3311 Biology and Psychology of Aging

GRON 3327 Social Policy and Aging

GRON 3331 Health Care and the Older Adult

GRON 4344 Gerontology Community Services

Gerontology Courses (GRON)**GRON 2300 INTRODUCTION TO GERONTOLOGY (3)**

A general introduction to social gerontology, with emphasis on the normal aspects of aging. Covers biological, psychological and sociological aspects of aging and reviews current research information and hypotheses of the aging process.

GRON 2310 CASE MANAGEMENT AND ASSESSMENT OF THE ELDERLY (3)

The focus of this course is on case management and assessment of the elderly in community-based long-term care. More specifically, this course focuses on case management designed to maintain frail elderly in their own homes rather than on case management designed for post-acute situations (discharge planning). The perspective on assessment will be similarly focused. Although hospital-based (in-patient) clinical assessment and institutional (nursing home) assessment will be addressed, this course does not overly focus on these methods.

GRON 3309 HOUSING FOR THE AGED (3)

Consideration of physical aspects of aging facilities; analysis of actual models of existing facilities. New trends in insurance, unionization and licensing. The course includes summary of community facilities and services available to prevent premature institutionalization.

GRON 3311 BIOLOGY AND PSYCHOLOGY OF AGING (3)

This course integrates the field of gerontology by highlighting the interconnections between biological and psychological processes of aging, aging concepts, research and practice applications. These interconnections offer students a sense of an evolving, coherent discipline. This course combines the findings of both academic applied psychology of later life and the biological implications of later life. Includes chapters on physical processes, cognition, psychopathology and death and dying. Each chapter begins with an extensive discussion of the academic research, followed by a section describing clinical applications of the research findings.

GRON 3327 SOCIAL POLICY AND AGING (3)

This course is designed to teach public policies that have the greatest influence on the lives of older persons and those that have been promulgated, especially because of concern for older persons. This class addresses the evolution of policies as an outgrowth of developments in our society. The processes by which policies are introduced, debated, established and the details of specific policies are discussed in detail. Finally, this class allows

students to understand that the policy process requires an appreciation of its roots in our unique constitutional form of government and the evolution of its history over the years.

GRON 3331 HEALTH CARE AND THE OLDER ADULT (3)

Highlights of health care for older adults and available services. Analysis of preventive health care and techniques in utilizing health services.

GRON 3345 DEATH AND DYING (3)

An examination of the concept of death in American society. The ethics surrounding death and dying, preparation of the dying, the survivors and grief processes. Special attention paid to the legal and emotional problems of survivorship.

GRON 3347 WORK/LEISURE/ RETIREMENT (3)

An introduction to the biopsychosocial aspects and meaning of work, leisure and retirement in American society. Examines such issues as how we select work, how our life revolves around work, the evaluation or the meaning of work, the use and misuse of leisure time, and the meaning and consequences of retirement.

GRON 4322 SEMINAR IN GERONTOLOGY (3)

Course focuses on a variety of contemporary issues and topics in gerontology. Topics of discussion revolve around students' practicum experiences. Students complete a research project.

GRON 4344 GERONTOLOGY COMMUNITY SERVICES (3)

Explains the case management techniques used in state/federal aging programs and in congregate housing facilities for the elderly.

GRON 4356 THE BUSINESS OF GERONTOLOGY (3)

The focus of this course is on the business aspects in the field of gerontology. Specifically, this course focuses on general administration in long-term care facilities, including general administration procedures, standards of environmental health and safety, local health and safety and departmental organization and management.

GRON 4660 Field Internship (6)

Provides an opportunity for students to get part-time work experience to enhance the student's educational program. This work experience is directly related to gerontology.

History

B.A. in Social Sciences: HISTORY

History is one of the most ancient academic disciplines and includes the study of every form of human endeavor.

Historians depend primarily on written sources for evidence, but incorporate other types of physical evidence as well.

Historians apply analytical and interpretive skills in order to first determine what happened in the past and then explain why it happened. Knowledge of history provides understanding of how and why societies and institutions evolved to their present condition. This knowledge and understanding is critical in determining the likely results of contemporary trends and policies in a society. Thus, reasoned judgments can be made as to whether current trends should be allowed to continue or an alternative course of action should be taken.

Objectives

1. To provide a broad base of knowledge and understanding of American, Western, and Non-Western history

2. To develop skills that will enable students to distinguish between facts and opinions, and to think rationally, logically, and critically
3. To provide knowledge and understanding of other disciplines and how they contribute to the work of historians
4. To provide knowledge and understanding of the methods historians use in historical research, and develop a high level of skill in writing
5. To provide students with the knowledge and skills to perform successfully in a graduate or professional program or to find gainful employment in the public or private sector

General Requirements

The Bachelor of Arts in Social Sciences: History track requires a minimum of 120 hours.

1. Majors must earn a grade of "C" or better in all required courses in history as specified in the degree plan.

2. Majors in history must meet all of the institutional requirements of the university. Requirements listed below in areas other than history supplement, but do not supplant, institutional General Education requirements.

Required Courses (18 hours)

HIST 1330: Western Civilization I
 HIST 1340: Western Civilization II
 HIST 1350: Survey of Non-Western History
 HIST 2315: U.S. History to 1877
 HIST 2318: U.S. History since 1877
 HIST 4330: Historiography

Upper Division History Electives: (27 hours)

American History (9 hours)

HIST 3300: Arkansas History
 HIST 3330 History of the South
 HIST 3335: Civil War and Reconstruction
 HIST 3346: American Colonial and Revolutionary History
 HIST 4310: Recent U.S. History
 HIST 4375 African American History To 1865
 HIST 4380: African American History since 1865

Western History (9 hours)

HIST 3340: English History to 1688
 HIST 3341: English History since 1688
 HIST 3350: Classical Greece
 HIST 3351: Roman Republic
 HIST 4340: Europe Since 1920
 HIST 4350: The Reformation

Non-Western (9 hours)

HSIT 3310: Latin America
 HIST 3360: Middle East and the Islamic World
 HIST 4360: Modern Russia
 HSIT 4370: History of the Far East in Modern Times
 HIST 4385: African History
 HIST 4396: Seminar in Third World Studies
 HIST 4395: Independent Studies/Readings in History

Additional Program Requirements:

ECON 2310: Principles of Economics I
 PSYC 2310: General Psychology
 SOCI 2330 Intro. to Anthropology
 SOCI 3312: Statistical Techniques in Social Science
 ENGL 3301: College Grammar
 ENGL 3310: Advanced Composition
 GEOG 2360: World Regional Geography
 MDFL 2311 Elementary Spanish I

Select one of the following courses:

CPSC 2363: Intro to Business Program
 MIS 1312: Microcomputer Applications

Select one of the following courses:

ENGL 3319: Survey of African American Literature I
 ENGL 3321: Survey of African American Literature II

Minor in History (18 hours)

For students who desire to have a minor in history, at least eighteen (18) hours are required.

The required courses are listed below.

HIST 2315 U.S. History to 1877
 HIST 2318 U.S. History since 1877
 HIST Upper Level Elective

Select two (2) from the following:

HIST 1330 Western Civilization I
 HIST 1340 Western Civilization II
 HIST 1350 Survey of Non-Western History

Select one (1) from the following:

HIST 4375 African American History to 1865
 HIST 4380 African American History Since 1865

History Courses (HIST)**HIST 1330 WESTERN CIVILIZATION I (3)**

A survey of the foundations of Western civilization in ancient and classical times, through the medieval period, to the end of the religious wars in 1648.

HIST 1340 WESTERN CIVILIZATION II (3)

A survey of the development of Western civilization from the end of the religious wars in 1648 to the present.

HIST 1350 SURVEY OF NON-WESTERN HISTORY (3)

Historical survey of non-western civilizations, including Africa, Middle East, Asia, Indian Subcontinent, Indonesian and other Asian and South Sea Island Peoples, and aboriginal peoples. Attention given to major themes of political, military, economic, social, intellectual, and religious events in history, and also of the lives of individuals and groups who have a major impact in the world.

HIST 2315 UNITED STATES HISTORY TO 1877 (3)

A survey of United States history from its origins to the end of the Civil War and Reconstruction in 1877.

HIST 2318 UNITED STATES HISTORY SINCE 1877 (3)

A survey of United States history from the end of Reconstruction in 1877 to the present.

HIST 3300 ARKANSAS HISTORY (3)

A history of the state's growth, including recent political, economic and social development.

HIST 3310 LATIN AMERICA (3)

A general study of the history of Hispanic America.

HIST 3330 HISTORY OF THE SOUTH (3)

A two-part course, focusing first on a study of the geographical, political, economic, and cultural facets of the ante-bellum South; and second on the significant facets of the post-Civil War era, with increased emphasis placed on the twentieth century.

HIST 3335 CIVIL WAR AND RECONSTRUCTION (3)

The political, social and economic aspects of the period from 1850 to 1877 in United States History.

HIST 3340 ENGLISH HISTORY TO 1688 (3)

A survey of English history from the beginning of the Roman occupations to the Glorious Revolution of 1688.

HIST 3341 ENGLISH HISTORY SINCE 1688 (3)

A survey of the social and cultural history of England and its empire since 1688.

HIST 3346 AMERICAN COLONIAL & REVOLUTIONARY HISTORY (3)

Emphasis on the institutional, economic and social life of the colonies, the increasing friction with England and the War of Independence, and the establishment of USA Government.

HIST 3350 CLASSICAL GREECE (3)

HIST 3350 examines the cultural and political development and ultimate decline of the city-states of Classical Greece with particular attention placed on the city-states of Athens and Sparta.

HIST 3351 ROMAN REPUBLIC (3)

HIST 3351 examines the cultural and political development and ultimate decline of the Roman Republic.

HIST 3360: MIDDLE EAST AND THE ISLAMIC WORLD

Examines the religious, cultural, political and economic development of the Middle East and the greater Islamic world (South East Asia, Sub-Saharan

Africa, and the Indian sub-continent) since the time of Muhammad.

HIST 4310 RECENT UNITED STATES HISTORY (3)

Emphasizes the significant domestic and foreign facets of twentieth century America.

HIST 4330 HISTORIOGRAPHY (3)

Designed to acquaint students with the principles and philosophy of historical research as well as the principal writers of American history.

HIST 4340 EUROPE SINCE 1920 (3)

A general survey of events and personalities of Europe. Prerequisite: WESTERN CIVILIZATION II 1340.

HIST 4360 MODERN RUSSIA (3)

The political, social, economic, cultural and religious development of Russia from the time of Peter the Great.

HIST 4370 HISTORY OF THE FAR EAST IN MODERN TIMES (3)

The customs and institutions of the major nations in the Far East. The recent history of China, Japan, and Asiatic Russia.

HIST 4375 AFRICAN AMERICAN HISTORY TO 1865 (3)

An in-depth study of African Americans in American history to 1865.

HIST 4380 AFRICAN AMERICAN HISTORY SINCE 1865 (3)

An in-depth study of African Americans in American history since 1865.

HIST 4385 AFRICAN HISTORY (3)

A broad and balanced historical picture of Africa from the earliest times to the present.

HIST 4395 INDEPENDENT STUDY/ READINGS IN HISTORY (3)

Students are afforded opportunities to examine current readings and issues from an international perspective. Open only to seniors.

HIST 4610 INTERNSHIP IN HISTORY (6)

The course is designed to expose students to a supervised internship that provides practical work experience and/or appropriate preparation for graduate and professional schools.

Political Science

**B.A. in Social Sciences:
POLITICAL SCIENCE**

Objectives

1. To study the structure and functions of government
2. To understand political behavior and policy processes
3. To aid in preparing students for public service, journalism, and law
4. To attain practical knowledge and experience in administrative methods and techniques of state, local and foreign governments
5. To provide prerequisites for students interested in advanced degrees in political science, law or public administration

Requirements

The Bachelor of Arts in Political Science requires a minimum of 120 hours.

Required Courses (15 hours)

PSCI 2300 Introduction to Political Science
 PSCI 3350 Seminar in Political Theory
 PSCI 4315 International Relations
 PSCI 4351 Empirical Political Theory
 SOCI 3312 Statistical Techniques in Social Science

Political Science Electives (33 hours)

PSCI 2111 Law as a Career
 PSCI 2309 Arkansas Government
 PSCI 2313 State and Local Government
 PSCI 3321 Major Governments of Western Europe
 PSCI 3322 Political Systems of the Far East
 PSCI 3323 Politics of Developing Nations
 PSCI 3324 Law School Experience
 PSCI 3341 Constitutional Law I
 PSCI 3342 Developing Black Africa Nations
 PSCI 3343 Constitutional Law II
 PSCI 3385 Urban Government
 PSCI 3390 Public Administration
 PSCI 4316 Global Issues
 PSCI 4331 The Presidency
 PSCI 4340 American Foreign Policy
 PSCI 4373 Legal Analysis
 PSCI 43901 Independent Studies
 PSCI 4610 Internship in Political Science
 HIST 3360 Middle East and The Islamic World
 HIST 3370 Comparative American Constitutional History I
 HIST 3375 Comparative American Constitutional History II
 HIST 4360 Modern Russia
 HIST 4370 History of The Far East in Modern Times
 HIST 4375 African-American History To 1865
 HIST 4380 African-American History Since 1865
 HIST 4385 African History

MGMT 3314 Business Law
 MGMT 3318 Human Resources Management
 FINA 3318 Principles of Real Estate

Directed Electives For Different Concentrations/Tracks:**1. General Political Science Track (33 hours)**

PSCI 3331 Political Parties
 PSCI 4330 Public Opinion, Propaganda and Interest Groups
 PSCI 4331 The Presidency
 PSCI 4332 The Legislative Process
 PSCI 4340 American Foreign Policy
 PSCI 4610 Internship in Political Science
 History Elective
 History Elective
 History Elective
 History Elective

2. Prelaw Track (33 hours)

PSCI 2111 Law as a Career
 PSCI 3324 Law School Experience
 PSCI 3341 Constitutional Law I
 PSCI 3343 Constitutional Law II
 PSCI 4373 Legal Analysis
 PSCI 4390 Internship in Political Science
 MGMT 3314 Business Law
 FINA 3318 Principles of Real Estate
 HIST 3370 Comparative American Constitutional History I
 HIST 3375 Comparative American Constitutional History II

3. International Relations Track (33 hours)

- PSCI 3321 Major Governments of Western Europe
 PSCI 3322 Political Systems of the Far East
 PSCI 3328 Politics of Developing Nations
 PSCI 3342 Developing Black African Nations
 PSCI 4316 Global Issues
 PSCI 4390 Internship in Political Science
 HIST 3360: Middle East and the Islamic World
 HIST 4360 Modern Russia
 HIST 4370 History of the Far East in Modern Times
 HIST 4385 African History

4. Public Administration-Urban Planning Track (33 hours)

- PSCI 2309 Arkansas Government
 PSCI 2313 State and Local Government
 PSCI 3385 Urban Government
 PSCI 3390 Public Administration
 PSCI 4390 Internship in Political Science
 HIST 4375 African American History to 1865
 HIST 4380 African American History since 1865
 MGMT 3314 Business Law
 MGMT 3318 Human Resources Management

General Electives (9 hrs)

A minor is not required but these 9 hours have to be completed in order to graduate with 120 hours.

Minor in Political Science (18 hours)

For students who desire to have a minor in political science, at least eighteen (18) hours are required. The required courses are listed below. The directed electives should be selected with approval of an advisor.

- PSCI 2300 Introduction to Political Science
 PSCI 3350 Seminar in Political Science
 PSCI 4351 Empirical Political Theory
 PSCI 4315 International Relations
 Political Science Elective
 Political Science Elective

Political Science Courses (PSCI)

PSCI 1110 PARLIAMENTARY LAW (1)

Study of parliamentary rules and procedures.

PSCI 2111 LAW AS A CAREER (3)

Provides students with the first real glimpse of the legal profession and its diagnostic testing.

**PSCI 2300 INTRODUCTION TO
POLITICAL SCIENCE (3)**

Introduction to the study of political science. Emphasis on development of political science as a discipline, its role in society and the fundamental problems of politics.

**PSCI 2309 ARKANSAS
GOVERNMENT (3)**

Study of Arkansas government, including relationship with federal and local governments.

**PSCI 2312 AMERICAN
GOVERNMENT (3)**

Study of the national government, including relationships among federal, state and local governments.

**PSCI 2313 STATE AND LOCAL
GOVERNMENTS (3)**

Study of the state governments in the United States.

**PSCI 3321 MAJOR
GOVERNMENTS OF WESTERN
EUROPE (3)**

A comparative study of Western European governments in terms of national character, political cultures, forms, constitutions and political practices.

**PSCI 3322 POLITICAL SYSTEMS
OF THE FAR EAST (3)**

A critical analysis of the political philosophy, ideology, politics and governments of the People's Republic of China and Japan.

**PSCI 3323 POLITICS OF
DEVELOPING NATIONS (3)**

A structural-functional analysis of the problems of nation-building, modernization, integrative movements, nationalism, revolution and foreign relations of the nation-states in Black Africa, Southeast Asia and Latin America.

**PSCI 3324 THE LAW SCHOOL
EXPERIENCE (3)**

Introduces the student to the Socratic method of instruction commonly used in law schools. Not a lecture course: instructor assigns readings on issues in American politics and questions student on the readings. The student must be prepared for oral recitation.

**PSCI 3325 POLITICAL SYSTEMS
OF GOVERNMENT IN PRE-
COLONIAL AFRICA (3)**

This course is an introduction to the traditional and ancient political systems in pre-colonial Africa. It examines the kingdoms spread across the length and breadth of pre-colonial Africa: their institutions, their peculiar modalities, and the unique existence of these ancient nations as nation states. Particular emphasis will be placed on the kingdoms of Kush, Ghana, Mali, Songhai, Ashanti, Yoruba and others. Comparisons will be made and similarities drawn.

**PSCI 3326 POLITICAL
DEVELOPMENT IN SUB-
SAHARAN AFRICA/POST WW I
(3)**

This course will provide a broad framework for studying and analyzing modern Africa from its colonial antecedent shortly before the outbreak of WW II in 1939 and after the conclusion of it in 1945. Political development is essentially a transition for all the states below the Sahara. This course will cover the changes from a quasi-colonial structure between 1945 and 1960 to political sovereignty. Political independence movements, their strategies and leaders will also be discussed.

**PSCI 3331 POLITICAL
PARTIES (3)**

The origin, organization, development, functions, and methods of political parties.

**PSCI 3341 CONSTITUTIONAL
LAW I (3)**

A study of the relation of the judicial process and constitutional law to the political process in the United States.

**PSCI 3342 DEVELOPING
BLACK AFRICAN NATIONS (3)**

Traces the evolutionary, domestic and international political developments of black African nations since 1945.

**PSCI 3343 CONSTITUTIONAL
LAW II (3)**

An analysis of civil liberties, civil rights, due process and equal protection of the laws.

**PSCI 3350 SEMINAR in
POLITICAL THEORY (3)**

Surveys some of the principal ideas among prominent political thinkers from classical Greeks to Utilitarians.

**PSCI 3355 COMPARATIVE
ENVIRONMENTAL POLICY IN
AFRICA (3)**

This course explores the theory, practice and politics of environmental policy-making in Africa. The major course themes include: democratic governance, political economy, national regulatory institutions, agency setting, the policy cycle (analysis, lobbying, and implementation), as well as local experimentation. We will take a closer look at some of the environmental policies that have generally contributed to the overall standard of living and sustainable development among sub-Saharan African nations.

**PSCI 3385 URBAN
GOVERNMENT (3)**

Focuses on the history of urban civilization in this century; points up some of the problem areas, i.e., derivation of revenue, determination of priorities.

**PSCI 3390 PUBLIC
ADMINISTRATION (3)**

Surveys some of the tenets and practices of public administration: fiscal policies, personnel management, record keeping, reporting and organization.

**PSCI 4315 INTERNATIONAL
RELATIONS (3)**

Study of international relations as a political process. Examines ways in which change occurs and resources become allocated in the global system.

**PSCI 4316 GLOBAL ISSUES
(3)**

A study of contemporary global issues, the problems and ways to solve them in order to achieve a more "just" world order.

**PSCI 4330 PUBLIC OPINION,
PROPAGANDA, AND
INTEREST GROUPS (3)**

A survey of techniques, general theories and practices in political dynamics, with emphasis on some ways in which attitudes and interest group activities are formulated and affect the governmental process.

**PSCI 4331 THE PRESIDENCY
(3)**

An analysis of the roles, powers, functions and bureaucracy of the Chief Executive, with emphasis on the problems of the

executive-legislative relationship.

**PSCI 4332 THE LEGISLATIVE
PROCESS (3)**

A study of the legislative roles, function, organization, composition and process of the U.S. Congress, state legislatures, and their problems and conflicts with other governmental branches.

**PSCI 4340 AMERICAN
FOREIGN POLICY (3)**

A study of theory and practices, goals and realities of contemporary American foreign policy, with emphasis on military alliances, deterrence, nuclear strategy, arms control, diplomacy and foreign aid.

**PSCI 4343 ADMINISTRATION
OF CRIMINAL JUSTICE
(3)**

A study of the philosophical concepts of law and justice, the principles of organization or administration of law enforcement, with additional emphasis on the current constitutional case law as it relates to law enforcement and justice.

**PSCI 4351 EMPIRICAL
POLITICAL THEORY (3)**

A study of quantitative methodology for empirical political research.

**PSCI 4372 POLITICAL
ELITISM AND ANARCHISM (3)**

An analysis of the elitist theory of political organization as compared to and contrasted with the theory and practice of anarchism. Focuses on the development and contemporary relevance of political elites as well as the nature of societies that lack formal governmental institutions.

**PSCI 4373 LEGAL ANALYSIS
(3)**

An introductory course on the case method of legal analysis traditionally employed in law schools. Through examination of the cases, students study the process by which legal principles are developed. This is not a lecture course.

**PSCI 4391 INDEPENDENT
STUDY/ READINGS IN
POLITICAL SCIENCE (3)**

Individual or group study of a specialized topic under the direction of a faculty member; designed to give students advanced training in research methods. Open only to students with junior or senior standing and with at least a 3.00 grade point average.

**PSCI 4610 INTERNSHIP IN
POLITICAL SCIENCE (6)**

The course is designed to expose students to a supervised internship that

provides practical work experience and/or appropriate preparation for graduate and professional schools.

Psychology

B.S. PSYCHOLOGY

As society becomes increasingly complex, the need for knowledge and research in psychology as well as the services of psychologists grows.

Objectives

1. To provide the necessary background for graduate work in any field of psychology
2. To prepare students for positions in industry, diagnostic centers, mental health clinics, drug abuse and crisis centers, social welfare agencies and other related human services fields
3. To provide service courses in the General Education Curriculum for other academic departments

Requirements

The Bachelor of Science Degree in Psychology requires a minimum of 120 hours, including the following psychology core courses:

Required courses (21 hrs)

PSYC 2303 History and Systems
 PSYC 3300 Psychological Statistics I
 PSYC 3301 Psychology of Learning
 PSYC 4300 Psychological Statistics II
 PSYC 4301 Experimental Psychology
 PSYC 4302 Physiological Psychology
 PSYC 4310 Seminar in Psychology

Psychology electives (24 hrs)

PSYC 2302 Developmental Psychology
 PSYC 2304 Adolescent Psychology
 PSYC 3302 Personality
 PSYC 3303 Abnormal Psychology
 PSYC 3305 Psychological Assessment
 PSYC 3306 Perception
 PSYC 3307 Psychology and Law
 PSYC 3308 Cognitive Psychology
 PSYC 3310 Social Psychology
 PSYC 4303 Industrial and Organizational Psychology
 PSYC 4304 Human Sexuality
 PSYC 4307 Human Factors
 PSYC 4309 Health Psychology
 PSYC 4312/4600 Independent Studies
 PSYC 4610 Internship in Psychology
 SBSC 4300 Using SPSS for Windows
 PSYC 4311 Stress, Health, and Disease
 PSYC 4313 Advanced Social Psychology

General Electives/Minor (18 Hrs)

There is a total of eighteen (18) hours in general electives or a minor. Having a minor is not a requirement, but the department recommends that in order to fulfill the requirement for a Bachelor of Science Degree in Psychology (120 hrs) the student take the needed eighteen (18) hours in one area or discipline. If, however, the student chooses not to minor, then the 18 hours can be taken from any area of interest to the student. Select from any area, including ROTC, the Sciences, Business, Computer Science, Social & Behavioral Sciences, Art, Journalism, etc.

Minor in Psychology (21 hours)

For students who desire to have a minor in psychology, at least twenty-one (21) hours are required. The required courses are listed below. Depending on the student's major and later career interests, the student must select the directed electives after consulting with an advisor.

PSYC 2300 General Psychology
 PSYC 3301 Psychology of Learning
 PSYC Directed Elective
 PSYC Directed Elective

Psychology Courses (PSYC)**PSYC 2300 GENERAL PSYCHOLOGY (3)**

Gives a broad overview of psychology, covering such topics as the development of the organism, biological basis of behavior, learning, memory, history of psychology, social basis of behavior, and individual differences.

PSYC 2302 DEVELOPMENTAL PSYCHOLOGY (3)

Concentrates on development from conception through old age. Discusses prenatal development, physical and cognitive development, language acquisition, social and emotional development, the aging process, factors that influence development, and applications of developmental principles.

PSYC 2303 HISTORY AND SYSTEMS (3)

An introductory course in the history of psychology. Surveys the philosophical backgrounds of various schools that contributed to the development of modern scientific psychology; traces the factors that made it possible to establish a separate discipline of the science of psychology.

PSYC 2304 ADOLESCENT PSYCHOLOGY (3)

Introductory course concerned with the development of youth during the adolescent years. Surveys the physical, intellectual, social and emotional development of the adolescent.

PSYC 3300 PSYCHOLOGICAL STATISTICS I (3)

First of a two-part sequence of courses in statistics. Covers traditional areas of descriptive statistics, correlation and regression.

PSYC 3301 PSYCHOLOGY OF LEARNING (3)

Covers the traditional issues and topics on learning and memory. Practical applications of learning theories are also covered including theories of conditioning and cognitive learning.

PSYC 3302 PERSONALITY (3)

Introduces the major themes, theories, and approaches toward understanding individual differences. Topics also cover the various ways that the major approaches are used in assessing or measuring individual differences with their corresponding practical applications.

PSYC 3303 ABNORMAL PSYCHOLOGY (3)

An introductory course on the clinical and applied aspects of abnormal behavior in the individual from early childhood to old age; emphasis on the history, etiology and effects of various forms of behavioral and psychological disorders. Theories and treatment of abnormal behavior are also covered.

PSYC 3305 PSYCHOLOGICAL ASSESSMENT (3)

Deals with the principles of psychometrics, test construction and administration, and the interpretation of test results.

PSYC 3306 PERCEPTION (3)

Deals with the basic issues and topics in sensation and perception with emphasis on visual and auditory perception.

PSYC 3307 PSYCHOLOGY AND LAW (3)

Explores psychological issues and processes encountered within legal contexts; the production and application of psychological knowledge and research findings in the criminal and civil justice systems. Subareas of the field include forensic, criminal, legal, police and correctional psychology.

PSYC 3308 COGNITIVE PSYCHOLOGY

Cognitive Psychology deals with human information processing and higher mental processes. It covers such diverse topics as thinking and reasoning, problem solving, attention, creativity, decision making, and representation of knowledge. Prerequisites: PSYC 2300,

PSYC 3310 SOCIAL PSYCHOLOGY (3)

Deals with social interaction, how the individual's thoughts, feelings, and behaviors are influenced by others in a social context. Covers such traditional topics as attitudes, attributions, interpersonal attraction, aggression, and social influence.

PSYC 4300 PSYCHOLOGICAL STATISTICS II (3)

The second of a two-semester course in statistics. Familiarizes students with the basic principles and concepts in statistics useful to behavioral and social scientists in the design of experiments, analyses and interpretation of experimental results. Covers inferential statistics and methods by which inferences and generalizations are made to large groups on the basis of observations made on smaller sub-groups.

**PSYC 4301 EXPERIMENTAL
PSYCHOLOGY (3)**

Deals with the scientific approach to the systematic investigation of psychological phenomena. Topics include the logic of experimental design and basic principles of experimental research. It is strongly recommended that the student take PSYC 4300, before enrolling in this course.

**PSYC 4302 PHYSIOLOGICAL
PSYCHOLOGY (3)**

The goal of this class is to synthesize the history, theory, research, and clinical practice in the field of health psychology which is concerned with the roles of bio-behavioral, psychological, and social/environmental factors on health and illness.

**PSYC 4303 INDUSTRIAL AND
ORGANIZATIONAL
PSYCHOLOGY (3)**

Examines applications of psychological principles and theory to industry and organizations. Considers the problems of employer-employee relations, job description and analysis, personnel selection and training, and organizational behavior.

**PSYC 4304 HUMAN SEXUALITY
(3)**

Examines the sexual behavior of the human organism from the biological, psychological and socio-cultural points of view. Covers major issues on contraception, STDs, sexual problems, and legal aspects of sexuality.

**PSYC 4305 HUMAN
PERFORMANCE AND
INFORMATION PROCESSING (3)**

The course addresses the fundamentals of human psychomotor, perceptual, and cognitive processes which are basic to skilled operator performance. Related areas include theoretical models of humans as an information processing mechanism, an operator of complex systems and a learner in an educational training context.

PSYC 4307 HUMAN FACTORS (3)

Human factors psychology addresses issues which relate to the interface between people, machines, and the environment in order to assure the safe and efficient operation of products and systems. Prerequisites: PSYC 2300, 3300, 3306. Industrial technology and other majors: PSYC 2300 and a quantitative methods course.

PSYC 4309 HEALTH PSYCHOLOGY (3)

An introduction to the biological and physiological emphasis on the role of the central nervous system in behavior. The course explores the anatomic and physiological mechanisms involved in neural communication, perception, movement, motivation, learning, emotions, mental disorders, and other related areas.

PSYC 4310 SEMINAR IN PSYCHOLOGY (3)

This capstone course has two major components. The first component covers topics on the current applied areas and major issues in the field. A major part is also devoted to careers in the field, graduate school preparation, and preparation for the senior comprehensive exam. The second major component is devoted to senior research projects. Each graduating senior is expected to complete a senior research project. This component brings together all the skills acquired throughout the student's academic tenure, especially the skills developed in research and statistics courses.

PSYC 4311, STRESS, HEALTH, AND DISEASE

This course will introduce students to the role stress plays in health and disease. Topics

covered include defining and measuring stress, coping with stress, the relationship between stress and disease (e.g., cardiovascular disease, asthma, cancer, infectious illness), the pathophysiology of stress, and current issues and controversies in stress research. Prerequisites: PSYC 4301 or equivalent research methods course. Offered face-to-face.

PSYC 4312 INDEPENDENT STUDIES (3)

Offers an opportunity for prospective graduate students to start working in cooperation with a faculty member on areas of research. Offers students an opportunity to learn about ways of conducting research.

PSYC 4313, ADVANCED SOCIAL PSYCHOLOGY

Advanced Social Psychology addresses contemporary theoretical and methodological issues in social psychology with special emphasis on research and experimentation. This course is intended to familiarize students with the dynamics of human social behavior through critical analysis and application of the material. Students will gain skills in reading and interpreting both classic and contemporary research in the area of social behavior.

Students will be expected to be active participants in the learning process through critical reading of assigned articles, participating in class discussions, debates, and group projects. Offered face-to-face.

PSYC 4600 INDEPENDENT STUDIES II (6)

Offers an opportunity for prospective graduate students to start working in cooperation with a faculty member on areas of research. Offers students an opportunity to learn about ways of conducting research.

PSYC 4610 INTERNSHIP IN PSYCHOLOGY (6)

The course is designed to expose students to a supervised internship that provides practical work experience and/or appropriate preparation for graduate and professional schools.

SBSC 4300 USING SPSS FOR WINDOWS (3)

This course is designed to provide students with basic "hands-on" training as well as information on how to use SPSS for Windows in both introductory and research design courses. Each assignment provides students with background information linking statistical methods and the SPSS procedures

associated with those methods. Prerequisites: PSYC 3300 or PSYC 4300 or SOCI 3312.

Sociology

B.A. in Social Sciences: SOCIOLOGY

Objectives

1. To teach students the concepts, theories, and methods of the behavioral and social services
2. To introduce students to the basic social processes of society, social institutions and patterns of social behavior
3. To train students to understand and to interpret objectively the role of social processes, social institutions and social interactions in their lives
4. To enable students to cope effectively with the socio-cultural and interpersonal processes of a constantly changing complex society
5. To train students for positions in criminal justice, gerontology, social science and social welfare

6. To prepare students for graduate study
7. To strengthen the marketable expertise in quantitative analysis and computer applications in advertising, demography, marketing and the social sciences

SOCI 4310 Introduction to Social Research
 SOCI 4313 Seminar in Sociology
 SOCI 4331 Sociological Theory

**Sociology Electives (24 hrs)
 (To be selected from the following):**

SOCI 3305 Urban Community
 SOCI 3310 or PSYC 3310 Social Psychology
 SOCI 3311 The Family
 SOCI 3315 Inequality in America
 SOCI 3320 Race and Ethnic Relations
 SOCI 3325 Sociology of Sex Roles
 SOCI 3343 or CRJU 3343 Juvenile Delinquency
 SOCI 3360 Peoples & Cultures of Africa South of the Sahara
 SOCI 4340 Population Problems
 SOCI 4351 Readings in Sociology
 SOCI 4360 Independent Studies
 GRON 3327 Social Policy
 GRON 3345 Death and Dying
 GRON 3347 Work, Leisure and Retirement

General Requirements

The Bachelor of Arts in Social Sciences: Sociology track requires a minimum of 120 hours.

1. Majors must earn a grade of “C” or better in all required courses in Sociology as specified in the degree plan.
2. Majors in Sociology must meet all of the institutional requirements of the university.
3. Requirements listed below in areas other than Sociology supplement, but do not supplant, institutional General Education requirements.

Required Courses (15 hrs)

SOCI 2320 Social Problems
 SOCI 3312 Statistical Techniques in Social Science

General/Minor Electives (24 hrs)

It is recommended that sociology majors take general electives from one program or any combination of programs within the Department of Social & Behavioral Sciences: Criminal Justice, Political Science, Psychology, Gerontology, History, and Geography. However, students can also select courses from any area of interest including: ROTC, Business, Computer Science, Biology, Physics, Journalism, etc.

Minor in Sociology (18 hours)

For students who desire to have a minor in sociology, at least eighteen (18) hours are required. A grade of "C" or higher is required. The required courses are listed below.

SOCI 2310 Introduction to Sociology
 SOCI 2320 Social Problems
 SOCI 2330 Intro to Anthropology
 SOCI 4310 Intro to Social Research

SOCI Electives: Select (8) from the following:

SOCI 3305 Urban Community
 SOCI/PSYC 3310 Social Psychology
 SOCI 3311 The Family
 SOCI 3315 Inequality in America
 SOCI 3320 Race & Ethnic Relations
 SOCI/CRJU3343: Juvenile Delinquency
 SOCI 4330 History of Social Thought
 SOCI 4351 Readings in Sociology
 GRON 3327 Social Policy
 GRON 3345 Death & Dying
 GRON 3347 Work Leisure and Retirement
 SOCI 3326 Sociology of Sex and Gender
 SOCI 3360 Peoples and Cultures of Africa
 SOCI 3390 Sociology of Sport
 SOCI 4360 Independent Studies
 SOCI 4610 Internship in Sociology

Sociology Courses (SOCI)

SOCI 1320 INTRODUCTION TO SOCIAL SCIENCE (3)

Introduces freshmen to knowledge of our contemporary society; discusses the nature of science in

general and of social science in particular; covers culture and cultural changes, human groupings and social processes, problems in multi-cultural-society, personality formation and development. Required of all freshmen.

SOCI 2310 INTRODUCTION TO SOCIOLOGY (3)

An introduction to the study of human nature, to groups and groupings in society, to the varieties of social processes and to the nature and content of culture, including the primary institutions of society. Required of sociology as well as social science majors and minors. Prerequisite: SOCI 1320.

SOCI 2320 SOCIAL PROBLEMS (3)

An analysis of selected social problems and their effects on the individual and society. Suggested for sociology as well as social science majors and minors. Prerequisite: SOCI 1320.

SOCI 2330 INTRODUCTION TO ANTHROPOLOGY (3)

A survey of the field of anthropology emphasizing the place of anthropology among the natural and social sciences and humanities, basic and applied research, the culture concept, and an overview of the four subfields: physical anthropology, linguistic anthropology, social anthropology, and archaeology. Required of sociology majors and

minors as well as social science majors. Prerequisite: SOCI 1320.

SOCI 3305 URBAN COMMUNITY (3)

Study of urban structure and ecology, growth and development of urban communities, environmental factors influencing concentration of people, internal organization of urban areas, processes of social change and problems associated with social change. Prerequisites: SOCI 1320, 2310.

SOCI 3310 SOCIAL PSYCHOLOGY (3)

Surveys the emergence of social psychology as a scientific discipline, with emphasis on the study of human nature and personality development. Required of sociology majors and minors as well as social science majors. Prerequisites: SOCI 1310, 2310, PSYC 2300, junior or senior standing.

SOCI 3311 THE FAMILY (3)

An analysis of the family in contemporary society. Covers the historical development and cross-cultural analysis of family systems. Emphasis on recent theory and research.

SOCI 3312 STATISTICAL TECHNIQUES IN SOCIAL SCIENCE (3)

A study of the collection and presentation of data, the nature of sampling problems, methods of calculating the common measures, including central

tendency, dispersion, standard deviation. Probability theory, tests of significance and measures of association at various levels of measurement, elaboration model, multivariate analysis -- partial correlation and multiple regression, computer software packages.

SOCI 3315 INEQUALITY IN AMERICA (3)

An analysis of recent and historical trends in the unequal distribution of income, occupations, education, power and prestige. Prerequisite: SOCI 2310.

SOCI 3320 RACE AND ETHNIC RELATIONS (3)

A comprehensive survey of the characteristics, racial and ethnic origins of people of the United States, with special consideration of the "divisive" influences of loyalty to race, nation, creed and culture. Required of social work majors. Prerequisites: SOCI 1320, 2310, junior or senior standing.

SOCI 3326, SOCIOLOGY OF SEX AND GENDER (3)

This course introduces students to a gender analysis of contemporary U.S. society and culture. The social construction of gender in everyday life will be examined, as well as how gender shapes the distribution of resources, power, and privilege in ways that benefit men over

women. Offered face-to-face or online.

SOCI 3343 JUVENILE DELINQUENCY (3)

A study of the social conditions under which delinquent behavior develops, the agencies that deal with it, and the theories and methodologies to understand it.

SOCI 3360 PEOPLES & CULTURES OF AFRICA SOUTH OF THE SAHARA (3)

An introduction to the cultural background, social organization, racial composition, economic and political status of peoples living south of the Sahara, their problems consequent upon attaining Uhuru (freedom). Prerequisite: junior or senior standing.

SOCI 3390, SOCIOLOGY OF SPORT (3)

This course examines the institution of sport from various sociological perspectives. It is designed to provide students with an opportunity to critically analyze the assumptions surrounding the social significance of sport through a process of reflective thought. Offered face-to-face.

SOCI 4310 INTRODUCTION TO SOCIAL RESEARCH (3)

Introduces the principles and techniques of social investigations. Acquaints students with the aims, methods, devices and aids used in the investigation of social phenomena done through research.

Limited research projects. Required of all sociology majors.

Prerequisites: 18 hours of social sciences other than history, junior or senior standing.

SOCI 4313 SEMINAR IN SOCIOLOGY/ ANTHROPOLOGY (3)

Selected topics of study in sociology or anthropology.

Prerequisites: senior standing, 15 hours in sociology or anthropology and consent of instructor.

SOCI 4340 POPULATION PROBLEMS (3)

A study of population in relation to resources. Analysis of concentration and dispersion of people, problems in human migration; research problems in population and vital statistics.

SOCI 4351 READINGS IN SOCIOLOGY & ANTHROPOLOGY (3)

A critical analysis of some of the important works in the field.

Prerequisites: 18 hours of sociology and senior standing.

SOCI 4360 INDEPENDENT STUDY SOCIOLOGY/ANTHROPOLOGY (6)

Offers advanced students an opportunity to pursue independent study or research in their field of interest. Prerequisite: Permission of department chair and the instructor supervising the student.

Note: a student may take only up to 6 hours credit of independent study.

SOCI 4610 INTERNSHIP IN SOCIOLOGY (6)

The course is designed to expose students to a supervised internship that provides practical work experience and/or appropriate preparation for graduate and professional schools.

Geography Courses (GEOG)

GEOG 2301 GEOGRAPHY OF NORTH AMERICA (3)

This is a study of the geography of Canada and the United States. It covers and explains the great natural endowments of natural resources such as: iron ore, coal, timber, water, and agricultural-economic activities located in the Northern hemisphere and the problems associated therewith.

GEOG/CHEM 2310 EARTH SCIENCE II (3)

This course investigates the natural forces functioning in the lithosphere and biosphere of planet Earth. This course also examines the relationship of humanity to planet Earth and its other life forms. Additionally, this course assists its students to pass the PRAXIS II exam needed for teacher certification. Prerequisite: 2300 Earth Science I.

GEOG 2360 WORLD REGIONAL GEOGRAPHY (3)

A study of certain world patterns of distribution of population, landform, climate and economic activities as context for the characterization or an explanatory geographic survey of the eight major world regions.

GEOG 3303 GEOGRAPHY OF AFRICA (3)

This is an African geography survey course. This course concentrates upon the region's physical and cultural (human) geography. Other aspects of the region's geography will be incorporated into the course as appropriate. These include, but are not limited to, political geography, medical geography, economic geography, and world systems geography (including globalization). Topics will include, but not be limited to, colonization, AIDS, migration (voluntary and forced), human impact on the environment, rural versus urban patterns and models (settlement and employment), militarism and tribalism.

Social Work Program

**Gloria J. Davis, Associate
Professor/Interim Director**

**Felicia Cooper
Instructor/Field Coordinator**

**Joyce King
Instructor**

B. A. in Social Work

The Social Work Program is a professional program accredited by the Council on Social Work Education (CSWE). The purpose of the program is to prepare students majoring in social work for entry-level generalist social work practice with varying sized systems.

Mission Statement

The Mission of the Social Work Program at the University of Arkansas at Pine Bluff is to prepare competent baccalaureate level social work students for generalist practice, service, and research opportunities that effectively address the plight of oppressed, social, economic and culturally diverse populations.

Goals

1. To provide social work students with the theoretical constructs, knowledge and applicable skills required for competent generalist social work practice
2. To prepare social work students to advocate and be sensitive to the needs of vulnerable and disenfranchised populations in both rural and urban regions
3. To promote social and economic justice and empowerment necessary to alleviate poverty, oppression and discrimination
4. To prepare competent entry-level professional social workers with a commitment to social work values and service

Program Competencies

1. Identify as a professional social worker and conduct oneself accordingly.

2. Apply social work ethical principles to guide professional practice.
3. Apply critical thinking to inform and communicate professional judgments.
4. Engage diversity and difference in practice.
5. Advance human rights and social and economic justice.
6. Engage in research-informed practice and practice-informed research.
7. Apply knowledge of human behavior and the social environment.
8. Engage in policy practice to advance social and economic well-being and to deliver effective social work services.
9. Respond to contexts that shape practice.
10. Engage, assess, intervene and evaluate with individuals, families, groups, organizations and communities.

Admission Requirements

Declaration of social work as a major does not guarantee admission to the Social Work Program. All social work majors must formally apply to the program at the end of their sophomore year. Application materials must be completed and submitted to the Social Work Program by March 15 for the fall semester of the year he/she plans to seek admission. The applicant must meet the following requirements:

1. Complete all freshman and sophomore course requirements in the B.S.W. curriculum. Failure to take all prerequisite courses may result in denial of admission and/or progression;
2. Document a cumulative grade point average of 2.50 or higher. When the cumulative semester grade point falls below 2.00, the student is placed on probation. In order to remain in the program, the student must raise his cumulative grade point average to at least 2.00 by the end of the next semester of enrollment;

3. Earn a minimum grade of “C” (2.00) in all social work courses and required liberal arts courses: SWRK 2305, SWRK 2307, 3308, 3310, 3322, 3323, 3350, 3351, 4310, 4311, 4365; PSYC 2300, PSYC 3303, MDFL 2311, MATH 1330, ENGL 1311, ENGL1321, and SPCH 2390;
4. Provide transcripts from all colleges and universities attended; and
5. Submit two letters of recommendation. Completed applications are reviewed by the Social Work Program faculty.

Accepted applicants are notified and are eligible for enrollment in specified third and fourth year professional social work courses. Applicants who are not accepted are advised to pursue opportunities in other curriculum areas.

Termination for Reasons of Academic and Professional Performance

Social work students may be terminated from the Social Work Program for academic and professional performance. Professional ethics and standards must be upheld. Refer to the *Social Work Program Student Handbook*, *Field Instruction Manual*, and *The Roar*.

Readmission to Social Work Program Procedures:

1. Submit a letter of application for readmission.
2. Complete application form obtained from Director’s office in the Social Work Program.
3. Request the Registrar’s Office to provide a current and complete transcript to the program.

The student is responsible for submitting all forms and transcripts to the Program Director by March 15. An evaluation and decision will be made by the Social Work Program Admissions Committee.

Curriculum Requirements

A cumulative grade point average of 2.50 or higher in the social work courses is required. If a student receives a grade lower than a “C”, he/she will have to repeat course(s).

The Social Work Program requires a minimum of 120 semester hours for a Bachelor of Arts degree. There is no minor in Social Work. The course requirements for a Bachelor of Arts Degree in Social Work fall in the following major categories:

General Education and Institutional Requirements (45 hours)

In addition, one foreign language required—Spanish (MDFL 2311) and one microcomputer application course (CPSC 2363 or MIS 1312) (6 hours).

Social science additional requirements (21 hours)

Social Work Required Courses (36 hours)

SWRK 2305 Introduction to Social Work
 SWRK 2307 Social Welfare Policy
 SWRK 3308 Social Legislation
 SWRK 3310 Research Methods
 SWRK 4320 Statistical Tech. in Social Work
 SWRK 3322 Human Behavior & Social Environment I
 SWRK 3323 Human Behavior & Social Environment II
 SWRK 3350 Social Work Methods I
 SWRK 3351 Social Work Methods II
 SWRK 4310 Field Experience & Lab I
 SWRK 4311 Field Experience & Lab II
 SWRK 4365 Senior Seminar in Social Work

Social Work Electives (12 hrs required)

SWRK 2306 Social Work Lab
 SWRK 3333 Rural Social Work
 SWRK 3324 Drug Abuse
 SWRK 3352 Social Work with Emotionally Disturbed Children
 SWRK 3372 Family Preservation
 SWRK 3392 Child Welfare Services
 SWRK 3398 Social Work & Aging
 SWRK 4360 Community Planning & Development
 SWRK 4363 Independent Study (Approved by Social Work Director & Advisor)

NOTE: The Social Work Program reserves the right to make changes at any time in the individual courses and in the curriculum leading to the degree.

Social Work Courses (SWRK)

SWRK 2305 INTRODUCTION TO SOCIAL WORK (3)

This survey course is designed for students interested in pursuing a career in social work. Students majoring in closely related fields will also benefit from this course. The history of the profession of social work is provided. Also, the values and ethics of the profession are emphasized as important elements involved in human service delivery when working with diverse populations at various sized systems levels (i.e., individuals, groups, organizations, communities).

SWRK 2306 SOCIAL WORK LAB (3)

This course involves didactic skill practice. Students engage in skill building exercises related to interviewing, communicating, and case management. Various beginning professional practice interventions are examined for work with diverse populations at various sized systems levels. Instruction for this course is experiential, cognitive and affective. Prerequisite: SWRK 2305.

SWRK 2307 SOCIAL WELFARE POLICY AND SERVICES (3)

The first of two courses required for the Social Welfare Policy and Services sequence. This course examines philosophical underpinnings of social welfare in the United States, its historical development and contemporary consequences. Students will explore opportunities to promote social and economic justice, and health and wellness. Major policies and programs that address the needs of rural and urban communities are examined and analyzed. The impact of discrimination and oppression on special populations (i.e., elderly, disabled, gays and lesbians, people of color, women) is also examined. Prerequisites: SWRK 2305, ECON 2310, SOCI 2320, PSCI 2312, HIST 2318.

SWRK 3308 SOCIAL LEGISLATION (3)

The second of two courses required for the Social Welfare Policy and Services sequence. This course allows students an opportunity to demonstrate knowledge of local, state, and federal governments. Students will learn the content and substance of social welfare policy, social legislation and politics, and issues related to current social programs, laws

and legislation. Also, students will be taught to advocate for diverse clients at all sized systems in both rural and urban regions. Prerequisites: SWRK 2305, SWRK 2307, ECON 2310, SOCI 2330, PSCI 2312, HIST 2318.

SWRK 3310 RESEARCH METHODS (3)

This course introduces principles and techniques of social investigations. Examines various research designs and techniques; and reviews ethical issues as they relate to practice and evaluation of one's own practice. Instruction is cognitive, affective and experiential. Restrictions: Junior and senior status. Prerequisites: SWRK 2305, SWRK 2307.

SWRK 4320 STATISTICAL TECHNIQUES IN SOCIAL WORK (3)

This course is a study of the collection and presentation of data; the nature of sampling problems, methods of calculating the common measures, including central tendency, and dispersion, standard deviation. Required for social work majors. Prerequisites: MATH 1330, junior or senior standing. Students will need to have some basic knowledge of computer usage.

**SWRK 3322 HUMAN
BEHAVIOR & THE SOCIAL
ENVIRONMENT I (3)**

The first of two courses required for the Human Behavior and the Social Environment sequence. Emphasizes the social systems approach for studying and conceptualizing the relationship, interrelationship, and interdependency among various systems and subsystems at the various sized systems levels (i.e., micro, mezzo, macro) with a focus on person-in-environment. Provides students with a knowledge base of the bio-psycho-social development of individuals as they develop over the life span and have membership in families, groups, organizations, and communities. Restrictions: Social Work majors only. Prerequisites: SWRK 2305, SWRK 2307, BIOL 1450, PSYC 2300.

**SWRK 3323 HUMAN
BEHAVIOR & THE SOCIAL
ENVIRONMENT II (3)**

The second of two courses required for the Human Behavior and the Social Environment sequence. Serves as an orientation to the human biological, cultural, social, and psychological systems which impact human behavior. Uses a psychosocial approach to study developmental patterns of human growth and change across the life span. Presents a variety of

theoretical perspectives central to the understanding of physical, cognitive, social, and emotional development. Restrictions: Social Work majors only. Prerequisites: SWRK 2305, SWRK 2307, SWRK 3308, SWRK 3322, PSYC 2300, BIOL 1450.

SWRK 3324 DRUG ABUSE (3)

This course offers an overview of drug use and abuse beginning with the pharmacological revolutions. Cultural implications related to drug use, regulations, treatment and education are examined. Prevention and treatment interventions to address the needs of special populations (i.e. elderly, disabled, gays and lesbian, women) in rural, urban, and underserved communities are also examined. Prerequisites SWRK 2305, SWRK 2307.

**SWRK 3333 RURAL SOCIAL
WORK (3)**

This course prepares students for beginning level professional generalist social work practice in rural settings. Also introduces students to the complex nature of rural service delivery systems, including formal organizations, informal social service organizations, and natural helping agencies. Prerequisites: SWRK 2305, SWRK 2307.

SWRK 3350 SOCIAL WORK METHODS I (3)

The first of three courses required for the Social Work Practice sequence. Employs the generalist social work practice approach. Designed for beginning social work majors. Provides a context for working with diverse populations at varied systems levels (i.e., micro, macro, mezzo). Various interventions and techniques are examined. Restrictions: Social Work majors only. Prerequisites: SWRK 2305, SWRK 2307, all required general education courses.

SWRK 3351 SOCIAL WORK METHODS II (3)

The second of three courses required for the Social Work Practice sequence. Presents further knowledge of basic practice skills focused on generalists practice with small groups, organizations, and communities. Provides opportunities to apply problem-solving strategies with varying sized social systems as well as mechanisms to evaluate one's own practice. Restrictions: Social Work majors only. Prerequisites: SWRK 2305, SWRK 2307, SWRK 3308, SWRK 3350, all required general education and liberal arts courses.

SWRK 3352 EMOTIONALLY DISTURBED CHILDREN (3)

This course assists students in social work and other related disciplines to understand the emotional needs of children. Examines various theoretical and conceptual frameworks to demonstrate and integrate theory with practice applications. Students gain an understanding of and appreciation for cultural, racial and human diversity when examining emotional disturbance among children. Prerequisites: SWRK 2305, 2307, 3322, 3323.

SWRK 3372 FAMILY PRESERVATION (3)

This course is designed to assist students in social work and other related disciplines in developing competent knowledge, skills, and abilities to work with multi-problem families who are at-risk. Models of family preservation programs (e.g., Homebuilders, Families First) are utilized to demonstrate and integrate theory with practical applications toward the alleviation of problems confronting families. Emphasis is focused on family preservation services and projects which provide family-centered child welfare services. Prerequisites: SWRK 2305, SWRK 2307.

SWRK 3392 CHILD WELFARE SERVICES (3)

This course is designed to provide students with an interdisciplinary approach to studying family and children services. Students will gain knowledge and an ability to analyze concepts, laws, policies, and practices in the field of child welfare in relation to the needs of children and their families.

Emphasis is on family-centered practice and public child welfare. This course is occasionally team-taught with the inclusion of interdisciplinary faculty (i.e., Criminal Justice, Nursing, Psychology, Human Sciences, Education, Rehabilitative Services, Sociology, Gerontology) and the Department of Human Services, Division of Children and Family Services. Prerequisites: SWRK 2305, SWRK 2307.

SWRK 3398 SOCIAL WORK & AGING (3)

This course addresses social work practice with the aged population, focusing on interventions with older adults, the mobilization support systems for the aged in rural and urban areas, and various groups of aging adults and challenges faced. The course engages students in discussion of topics as basic as encouraging the older adults to exercise, to those as complex as the process of differential assessment and diagnosis of depression, dementia, or delirium. Also social work

knowledge, values, and skills required for working with individuals, families, and communities as well as the role of caregivers when older adults are limited in their capacity to function independently are addressed. Prerequisites: None.

SWRK 4310 FIELD EXPERIENCE I & LAB (3)

The first of two courses in the Field Practicum sequence which is designed to provide supervision, educationally directed learning and application of classroom learning. In order to complete field experience courses, students are required to complete 410 clock hours of field practicum at agencies pre-approved by the Field Coordinator. Also, students are required to attend one hour weekly lab sessions which allow students the opportunities to integrate classroom knowledge and to expand learning beyond the scope of practicum. Critical assessment, implementation and evaluation of agency policy within ethical guidelines will occur during the field practicum and lab exercises. The practicum experience includes direct contact with clients, process recording, and participation in agency functions. Students engage in practical experience that will serve as the foundation for advanced experiences in the

second semester of field experience. Restrictions: Social Work majors only. Prerequisites: All general education and liberal arts courses; SWRK 2305, SWRK 2307, SWRK 3308, SWRK 3310, (or SOCI 4310), SWRK 3322, SWRK 3323, SWRK 3350, SWRK 3351.

SWRK 4311 FIELD EXPERIENCE II & LAB (3)

The second of two courses in the Field Practicum sequence which is designed to demonstrate students' abilities to selectively develop plans of intervention for various client systems levels. Students are required to complete the remaining 205 clock hours of field practicum at agencies pre-approved by the Field Coordinator during the first Field Practicum unless a change of agency is deemed necessary. The field practicum and lab experiences will allow students an opportunity to perform with more effectiveness as they gain further knowledge of the activities of bureaucratic organizations and as they engage in practice skills and interventions under strict supervision. Particular emphasis is placed upon the value and knowledge of the distinctive characteristics of diverse client groups and the development of culturally appropriate practice interventions. After completion of this practicum experience, students will be able to interpret policy and implement services for

individuals, families, groups, communities, and organizations at the entry professional level. Restrictions: Social Work majors only. Prerequisites: SWRK 4310; same prerequisite requirements as SWRK 4310.

SWRK 4360 COMMUNITY PLANNING & DEVELOPMENT (3)

This course is designed to provide students' knowledge of macro practice in the human services with an emphasis on skill development, planning, administration, evaluation, and community organizing components of practice. Students learn how practitioners utilize both empirical and conceptual knowledge in a self-disciplined manner to enable indigenous citizens in both rural and urban communities to gain rights as well as necessary resources. Opportunities are provided for students to explore skills and techniques in needs assessment, goal setting, fiscal management, staffing, and assessment and evaluation. Prerequisites: junior or senior standing or instructor's permission.

SWRK 4363 INDEPENDENT STUDY (3)

This course is designed to provide social work students with an advanced research proposal development opportunity. Students get an opportunity to pursue special interest areas utilizing

various research procedures and techniques, technology, and community networks. Students who enroll in this course are required to have obtained approval from the social work program director. Due to the extensive one-on-one assistance to each student enrolled, a maximum of three students will be approved to enroll in this course. Students are required to submit an abstract to the University's Research Forum or a similar conference as agreed upon by the student and instructor. If the student(s) is selected to participate in the Research Forum and/or another conference, the instructor will assist the student(s) with the research presentation. Restrictions: Social Work majors only. Prerequisites: Senior status; must be approved by Director of Social Work Program and Advisor.

SWRK 4365 SENIOR SEMINAR IN SOCIAL WORK (3)

The third of three courses required for the Social Work Practice sequence. This is a comprehensive and integrative capstone course for senior level social work majors. The course is designed to help students integrate course content learned in the explicit curriculum with emphasis on the program's competencies and the following core content areas: Human Behavior and the Social Environment, Social Welfare Policy and Services, Social Legislation, Social Work

Practice, Research and Field Practicum within their beginning professional generalist social work practice. The senior seminar provides opportunities and preparation for the student's development of his/her professional use of "self," self-evaluation, and proficiency in the self-critical and accountable use of social work knowledge, values, and practice skills from the liberal arts. The course also allows students an opportunity to review various theoretical and conceptual frameworks as well as intervention strategies utilized to alleviate discrimination and/or oppression within diverse populations and systems levels. Students are required to attend Social Work Computer Lab sessions which will include: reviews of SPSS, sample examination items for both the Social Work Comprehensive Examination and the Social Work Licensing Preparation Materials. In order to pass this course, all students must score 70 or higher on the Social Work Comprehensive Examination. Students will be allowed only one opportunity to retake the examination. Restrictions: Social Work Director's approval. Prerequisites: All general education and liberal arts requirements; and all social work required core courses.

**CURRICULUM FOR BACHELOR OF ARTS DEGREE IN SOCIAL WORK
(Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
Health & Physical Education	HLPE	1110-17	1	Health & Physical Education	HLPE	1110-17	1
Introduction to Humanities	HUMN	2301	3	Introduction to Social Work	SWRK	2305	3
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Personal Health & Safety	HLPE	1310	3	Physical Science	CHEM	1411 OR 1445	4
Biological Science	BIOL	1450	4	College Algebra	MATH	1330	3
			15				15
SOPHOMORE YEAR							
U.S. History	HIST	2315 OR 2318	3	Social Welfare Policy	SWRK	2307	3
Social Problems	SOCI	2320	3	Elementary Spanish	MDFL	2311	3
Principles of Economics I	ECON	2310	3	HUMN 2340 OR MUSI 2330			3
American Nat'l Government	PSCI	2312	3	General Psychology	PSYC	2300	3
Oral Communication	MCOM	2390	3	Intro to Social Science	SOCI	1320	3
			15				15
JUNIOR YEAR							
Social Work Methods I	SWRK	3350	3	Social Work Methods II	SWRK	3351	3
Human Behavior & Soc. Env I	SWRK	3322	3	Human Behavior & Soc. Env II	SWRK	3323	3
Social Legislation	SWRK	3308	3	Stat. Tech in Soc. Work OR	SWRK	4320	3
English Elective 2300,2360,2361	ENGL		3	Stat. Tech in Soc. Sci.	SOCI	3312	
Abnormal Psychology	PSYC	3307	3	Race & Ethnic Relations	SOCI	3320	3
Research Methods or Intro to Social Research	SWRK SOCI	3310 4310	3	Intro. To Business Programming Social Work Elective	CPS	2360	3 3
			18				18
SENIOR YEAR							
Field Experience I & Lab	SWRK	4310	3	Field Experience II & Lab	SWRK	4311	3
Social Work Electives	SWRK		6	Senior Seminar in Soc. Work	SWRK	4365	3
Social Science Electives	SOCI		3	Social Science Electives	SOCI		6
			12				12

Social Studies Education

B.A. in Social Sciences: SOCIAL STUDIES EDUCATION

The social studies education program, in co-operation with the School of Education, provides teacher candidates with the training and experiences needed to become qualified middle and secondary social studies teachers. The program focuses on the temporal study of culture and diversity; power, authority and governance; technology and society; global connections and interdependence; and civic ideals and practices.

Objectives

1. Foster competence of pre-professionals as secondary social studies teachers.
2. Promote critical thinking skills and enhance written and oral communication skills.
3. Cultivate the interdisciplinary approach to understanding the world.

4. Enhance the understanding of all civilizations.
5. Encourage technological competence and the use of computers and instructional media & instructional technology.
6. Gain a better appreciation for a multi-ethnic, multicultural diverse society.
7. Provide prospective teachers with experiences that will increase their knowledge of the science and art of teaching social studies and increase their awareness and understanding of current trends in the teaching of social studies.

General Requirements

1. Majors in Social Studies Education must meet all of the institutional requirements of the university. Requirements listed below in areas other than social studies supplement, but do not supplant, institutional General Education requirements.

2. All social studies education majors will meet with the Coordinator for Social Studies Education as their academic advisor for content courses and with a School of Education advisor for courses taught by the School of Education.
3. All majors must request admission to teacher education by completing a formal application with the School of Education and completing thirty-one (31) hours of professional education courses taught by the School of Education for certification.
4. All majors must have a 2.50 G.P.A. to graduate.
5. All majors must earn a minimum of "C" for all courses in the major as specified in the degree plan.
6. All Social Studies Education majors will bring the sub-scores on their PRAXIS II Exams to the Social Studies Advisor, demonstrating that they have passed all sub-areas of the exam, before they will be admitted to student teaching.

Test Requirements

1. Praxis I Minimums:
Mathematics: 171;
Reading: 172; Writing:
173. Required before being formally admitted to the degree program.
2. Praxis II: Principles of Learning and Teaching, Grades 7-12, minimum score: 164 Social Studies Content Knowledge, minimum score: 155 for Standard Certificate (new or addition). Required before a student can enroll in student teaching

Required Courses (51 hrs)

ECON 2310 Principles of Economics I
 ECON 2320 Principles of Economics II
 GEOG 2301 Geography of North America
 GEOG 2360 World Regional Geography
 HIST 1330 Western Civilization I
 HIST 1340 Western Civilization II
 HIST 1350 Survey of Non-Western History
 HIST 2315 U.S. History to 1877
 HIST 2318 U.S. History Since 1877
 HIST 3300 Arkansas History
 HIST 4375 African American History to 1865
 HIST 4380 African American History Since 1865
 PSCI 2312 American Government
 PSCI 2313 State and Local Government
 PSCI 4315 International Relations
 PSYC 2300 General Psychology
 SOCI 2310 Introduction to Sociology
 SOCI 2330 Intro to Anthropology
 SBSC 4304 Methods of Teaching Middle & Secondary Social Studies

Professional Education Courses (33 hrs)

EDUC 1300 Foundations and Development
 EDUC 2300 Survey of Exceptional Children
 EDUC 2309 Instructional Media and Technology
 EDUC 3301 Adolescent Development
 EDUC 3302 Psychology of Adolescent Learning and Teaching
 EDUC 3303 Classroom and Behavior Management
 EDUC 3366 Assessing Middle/Level Learners
 EDUC 4600 Student Teaching Clinical
 EDUC 4615 Student Teaching Practicum

Social Studies Course Descriptions

Course descriptions for the Bachelor of Science degree in Social Studies, except for Methods of Teaching Middle and Secondary School Social Studies, (SBSC 4304), are listed throughout the appropriate disciplines according to the title of the course. SBSC 4304 must be taken before Student Teaching.

SBSC 4304 METHODS OF TEACHING MIDDLE AND SECONDARY SCHOOL SOCIAL STUDIES (3)

The central emphasis is on improvement of the teaching of Social Studies in middle and secondary schools through evaluation and development of individual teaching skills and the use of innovations, technology, and techniques. This will stimulate interest, originality and authenticity in the teaching of, and pupil's study of, Social Studies. Prerequisite: Admission to the School of Education.

CURRICULUM FOR BA IN CRIMINAL JUSTICE

FALL SEMESTER

SPRING SEMESTER

FRESHMAN YEAR

Career and Life Planning	BAS	1120	1	Personal and Social Development	BAS	1210	3
Humanities Elective			3	Humanities Elective			3
American Government	PSCI	2312	3	Oral Communication	MCOM		3
Soc. Sci. Elect. 2315/2318/2310			3	Phys. Ed. 1110-25/MLSC 1210			1
Health -1310/Wellness - 1311			3	General Psychology	PSYC	2300	3
Micro Computer Applications 2363/3312/3610			3	Elementary Spanish I	MDFL	2311	3
			16				15

SOPHOMORE YEAR

English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	College Grammar	ENGL	3301	3
Mathematics 1330/1359/1360	MATH		3	Physical Science 1411/1445	CHEM		4
Introduction to Criminal Justice	CRJU		3	Introduction to Anthropology	SOCI	2330	3
English Lit. Elect.-2300/2360/2361	ENGL		3	Introduction to Corrections	CRJU	2357	3
			16				16

JUNIOR YEAR

Advanced Composition	ENGL	3310	3	Introduction to Social Research	SOCI	4310	3
Statistical Techniques in Soc. Science	SOCI	3312	3	Juvenile Delinquency	CRJU	3343	3
Judicial Process	CRJU	2370	3	Criminal Justice Elective	CRJU		3
Criminal Justice Elective	CRJU		3	General/Minor Elective			3
General/Minor Elective			3	General/Minor Elective			3
			15				15

SENIOR YEAR

Criminal Procedures	CRJU	4328	3	Seminar in Criminal Justice	CRJU	4325	3
Criminal Justice Elective	CRJU		3	Criminal Justice Elective	CRJU		3
Criminal Justice Electives	CRJU		6	Criminal Justice Elective	CRJU		3
General/Minor Elective			3	General/Minor Elective			3
			15				12

**CURRICULUM FOR BA SOCIAL SCIENCES: GERONTOLOGY TRACK
(Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Career and Life Planning	BAS	1120	1	Personal and Social Development	BAS	1210	2
Humanities Elective			3	Humanities Elective			3
American Government	PSCI	2312	3	Introduction to Sociology	SOCI	2310	3
Health 1310 or Wellness 1311			3	Phys. Ed 1110-25/MLSC 1210	HPLE		1
U.S. History 2315 or 2318	HIST		3	Biological Science	BIOL	1450	4
Computer Applications 1312 or 2363			3	Elementary Spanish I	MDFL	2311	3
			16				16
SOPHOMORE YEAR							
English Composition I	ENGL	1311	3	Intro. to Soc. Gerontology	GRON	2300	3
Oral Communication	MCOM	2390	3	English Composition II	ENGL	1321	3
Mathematics 1330/1359/1360	MATH		3	Developmental Psychology	PSYC	2302	3
General Psychology	PSYC	2300	3	English Lit 2300/2360/2361	ENGL		3
Introduction to Anthropology	SOCI	2330	3	Physical Science 1411/1445	CHEM		4
			15				16
JUNIOR YEAR							
Advanced Composition	ENGL	3310	3	College Grammar	ENGL	3301	3
Statistical Tech in Soc Sciences	SOCI	3312	3	Case Management/Assessment	GRON	2310	3
Biology & Psychology of Aging	GRON	3311	3	Death & Dying	GRON	3345	3
Social Policy	SOCI	3327	3	Health Care for Older Adults	GRON	3351	3
Track Elective 2305/3316	GRON		3	Track Elective 3322/4356	GRON		3
			15				15
SENIOR YEAR							
Introduction to Social Research	GRON	4310	3	Field Internship	GRON	4630	6
Gerontology Community	GRON	4344	3	Housing for the Aged	GRON	3309	3
Seminar in Gerontology	GRON	4322	3	Work Leisure and Retirement	GRON	3347	3
General Electives			6				
			15				12

**CURRICULUM FOR BA SOCIAL SCIENCES: SOCIOLOGY TRACK
(Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Career and Life Planning	BAS	1120	1	Personal & Social Development	BAS	1210	2
American Government	PSCI	2312	3	Introduction to Sociology	SOCI	2310	3
Humanities Elective			3	Humanities Elective			3
Health 1310 or Wellness 1311			3	Elementary Spanish I	MDFL	2311	3
U. S. History 2315/2318	HIST		3	Biological Science	BIOL	1450	4
Micro. Applica.-2363/3312/3610			3	Phys. Ed./MLSC – 1110-25/1210			1
			<u>16</u>				<u>16</u>
SOPHOMORE YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Oral Communication	MCOM	2390	3	General Psychology	PSYC	2300	3
Mathematics 1330/1359/1360	MATH		3	English Lit Elect. 2300/2360/2361	ENGL		3
Principles of Economics I	ECON	2310	3	Physical Science 1411 or 1445	CHEM		4
Social Problems	SOCI	2320	3	General/Minor Elective			3
			<u>15</u>				<u>16</u>
JUNIOR YEAR							
Advanced Composition	ENGL	3310	3	College Grammar	ENGL	3301	3
Statistical Techniques in Soc. Science	SOCI	3312	3	Sociology Elective	SOCI		3
Sociology Elective	SOCI		3	Sociology Elective	SOCI		3
General/Minor Elective			3	Sociology Elective	SOCI		3
General/Minor Elective			3	General/Minor Elective			3
			<u>15</u>				<u>15</u>
SENIOR YEAR							
Introduction to Social Research	SOCI	4310	3	History of Social Thought	SOCI	4330	3
Sociology Elective	SOCI		3	Seminar in Sociology	SOCI	4313	3
Sociology Elective	SOCI		3	Sociology Elective	SOCI		3
Sociology Elective	SOCI		3	General/Minor Elective			3
General/Minor Elective			3				
			<u>15</u>				<u>12</u>

CURRICULUM FOR BA SOCIAL SCIENCES: POLITICAL SCIENCE TRACK

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Career and Life Planning	BAS	1120	1	Personal and Social Development	BAS	1210	2
Humanities Elective			3	Humanities Elective			3
American Government	PSCI	2312	3	Introduction to Sociology	SOCI	2310	3
Health 1310 or Wellness 1311			3	Phys. Ed./MLSC – 1110-25/1210			1
U.S. History 2315/2318	HIST		3	Biological Science	BIOL	1450	4
Micro. Applica.-2363/3312/3610			3	Oral Communication	MCOM	2390	3
			16				16
SOPHOMORE YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Introduction to Political Science	PSCI	2300	3	College Grammar	ENGL	3301	3
Mathematics 1330/1359/1360	MATH		3	English Lit Elect. 2300/2360/2361	ENGL		3
General Psychology	PSYC	2300	3	Physical Science 1411 or 1445	CHEM		4
Elementary Spanish I	MDFL	2311	3	World Regional Geography	GEOG	2360	3
			15				16
JUNIOR YEAR							
Advanced Composition	ENGL	3310	3	Empirical Political Theory	PSCI	4351	3
Statistical Techniques in Soc. Science	SOCI	3312	3	Directed Elective			3
International Relations	PSCI	4315	3	Directed Elective			3
Directed Elective			3	Directed Elective			3
General Elective			3	General Elective			3
			15				15
SENIOR YEAR							
Seminar in Political Theory	PSCI	3350	3	Directed Elective			3
Directed Elective			3	Directed Elective			3
Directed Elective			3	Directed Elective			3
Directed Elective			3	Directed Elective			3
General Elective			3				
			15				12

**CURRICULUM FOR B.S. SCIENCE DEGREE IN PSYCHOLOGY
(Non-Teaching)**

FALL SEMESTER			SPRING SEMESTER		
FRESHMAN YEAR					
Career and Life Planning	BAS 1120	1	Personal and Social Development	BAS 1210	2
Humanities Elective		3	Humanities Elective		3
American Government	PSCI 2312	3	Oral Communication	MCOM 2390	3
U.S. History 2315 or 2318	HIST	3	General Psychology	PSYC 2300	3
Health -1310/Wellness - 1311		3	Elementary Spanish I	MDFL 2311	3
Micro. Applica.-2363/3312/3610		3	Phys. Ed./MLSC – 1110-25/1210		1
		16			15
SOPHOMORE YEAR					
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Biological Science	BIOL 1450	4	College Grammar	ENGL 3301	3
Mathematics 1330/1359/1360	MATH	3	Physical Science 1411 or 1445	CHEM	4
English Lit. Elective 2300/2360/2361	ENGL	3	Psychology Elective	PSYC	3
History and Systems	PSYC 2303	3	General/Minor Elective		3
		16			16
JUNIOR YEAR					
Advanced Composition	ENGL 3310	3	Psychology of Learning	PSYC 3301	3
Psychological Statistics I	PSYC 3300	3	Psychological Statistics II	PSYC 4300	3
Physiological Psychology	PSYC 4302	3	Experimental Psychology	PSYC 4301	3
Psychology Elective	PSYC	3	General/Minor Elective		3
General/Minor Elective		3	General/Minor Elective		3
		15			15
SENIOR YEAR					
Seminar in Psychology	PSYC 4310	3	Psychology Elective	PSYC	3
Psychology Elective	PSYC	3	Psychology Elective	PSYC	3
Psychology Elective	PSYC	3	Psychology Elective	PSYC	3
Psychology Elective	PSYC	3	General/Minor Elective		3
General/Minor Elective		3			3
		15			12

CURRICULUM FOR BA SOCIAL SCIENCES: HISTORY TRACK**FALL SEMESTER****SPRING SEMESTER****FRESHMAN YEAR**

Career and Life Planning	BAS	1120	3	Personal and Social Development	BAS	1210	2
Humanities Elective			3	Humanities Elective			3
American Government	PSCI	2312	2	Biological Science	BIOL	1450	4
Health 1310 or Wellness 1311			3	U.S. History since 1877	HIST	2318	3
U.S. History to 1877	HIST	2315	3	Introduction to Sociology	SOCI	2310	3
Micro Computer Applica.-2363/3312/3610			3	Phys. Ed./MLSC – 1110-25/1210			1
			<u>16</u>				<u>16</u>

SOPHOMORE YEAR

English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Mathematics 1330/1359/1360	MATH		3	General Psychology	PSYC	2300	3
Oral Communication	MCOM	2390	3	Physical Science 1411 or 1445	CHEM		4
Western Civilization I	HIST	1330	3	English Lit Elect. 2300/2360/2361	ENGL		3
Introduction to Anthropology	SOCI	2330	3	Western Civilization II	HIST	1340	3
			<u>15</u>				<u>16</u>

JUNIOR YEAR

Advanced Composition	ENGL	3310	3	World Regional Geography	GEOG	2360	3
Principles of Economics I	ECON	2310	3	Principles of Economics II	ECON	2320	3
Statistical Techniques in Soc. Science	SOCI	3312	3	Survey of African-American Lit II	ENGL	3321	3
Survey of African American Lit I	ENGL	3319	3	College Grammar	ENGL	3301	3
Survey of Non-Western History	HIST	1350	3	Upper Division Elective--American	HIST		3
			<u>15</u>				<u>15</u>

SENIOR YEAR

Upper Division Elective--Western	HIST		3	Historiography	HIST	4330	3
Upper Division Elective--Western	HIST		3	Upper Division Elective--American	HIST		3
Upper Division Elective--American	HIST		3	Upper Division Elective--Western	HIST		3
Upper Division Elective--Non-Western	HIST		3	Upper Division Elective--Non-Western	HIST		3
General Elective			<u>3</u>				<u>3</u>
			<u>15</u>				<u>12</u>

**CURRICULUM FOR BACHELORS OF ARTS DEGREE
SOCIAL SCIENCES: SECONDARY SOCIAL STUDIES EDUCATION
(Teaching)**

FALL SEMESTER					SPRING SEMESTER		
FRESHMAN YEAR							
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
Biological Science 1150 & 1350 or 1455	BIOL		4	Health & Physical Ed. 1110-17	HLPE		1
Humanities Elective			3	Physical Science	CHEM	1411	4
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
US History to 1877	HIST	2315	3	Personal Health & Safety	HLPE	1310	3
				US History since 1877	HIST	2318	3
			15				15
SOPHOMORE YEAR							
Western Civilization I	HIST	1330	3	Western Civilization II	HIST	1340	3
Introduction to Sociology	SOCI	2310	3	English Elective 2300 or 3310	ENGL		3
American Government	PSCI	2312	3	Adolescent Development	EDUC	3301	3
Oral Communication	MCOM	2390	3	College Algebra	MATH	1330	3
Survey of Non-Western History	HIST	1350	3	Foundations & Development	EDUC	1300	3
Humanities Elective			3	General Psychology	PSYC	2300	3
			18				18
JUNIOR YEAR							
Introduction to Anthropology	SOCI	2330	3	State and Local Government	PSCI	2313	3
African American History to 1865	HIST	4375	3	Principles of Economics II	ECON	2320	3
World Regional Geography	GEOG	2360	3	Survey of Exceptional Children	SPED	2300	3
International Relations	PSCI	4315	3	Geography of North America	GEOG	2310	3
Principles of Economics I	ECON	2310	3	African American History since 1865	HIST	4380	3
Psychology/Teaching Adolescent Learning	EDUC	3302	3	Instructional Media & Technology	EDUC	2309	3
			18				18
SENIOR YEAR							
Methods/Teach. Social Studies	SBSC	4304	3	Student Teaching Clinical	EDUC	4600	6
Assessing Middle Level Learners	EDUC	3366	3	Student Teaching Practicum	EDUC	4615	6
Classroom/Behavior Management	EDUC	3303	3				
Arkansas History	HIST	3300	3				
			12				12

Science and Technology Units

Department of Biology

Anissa E. Buckner, Chair

Professor

Joseph O. Owasoyo

Associate Professors

Lawrence M. Mwasi

Joseph Onyilagha

Assistant Professors

Selma Dagtas

Joy Jackson

Sederick Rice

Instructors

William Tyler

Nastassia Merriweather

Laboratory Instructor

Cassie Smith

The mission of the Department is to provide a rigorous program for academic instruction in the biological sciences for students from all socioeconomic levels of the population. The program prepares students for graduate/professional programs and productive entry-level employment.

The Department offers two degree programs: (1) Bachelor of Science Degree in Biology (non-

teaching) for General Biology, Pre-Medicine, Pre-Dentistry, Pre-Pharmacy; and (2) Bachelor of Science Degree in Life/Earth Science (teaching). The former program qualifies students for biology professions, graduate school, medical school, dental school, and pharmacy. The latter program qualifies students for a career as secondary school teachers.

The Department recognizes a special obligation to students who choose to major in biology and is committed to providing those individuals with a thorough knowledge of facts, principles, and concepts of biology. This process will enable students to pursue graduate and professional studies, careers in research and teaching or work as professional biologists and ultimately become productive citizens in their chosen fields.

The Department seeks to provide opportunities and experiences for its majors that will enable them to have an appreciation for, as well as an understanding of, the importance of the liberal and fine arts to being informed members of society.

The Department seeks to provide knowledge and experiences in the biological sciences as a foundation for students who are pursuing other science majors.

To meet the above goals, the Department of Biology aims to meet the objectives listed below:

1. Provide students with knowledge of biological principles so they may be able to understand these principles and their inter-relatedness within the context of current biological thinking;
2. Recognize a particular responsibility of preparing students for graduate work and research careers in the biological science;
3. Recognize a special responsibility in preparing students for careers in medicine, dentistry, pharmacy health and allied health professions and teaching;
4. Provide the education of students who major in biology, but desire to teach in secondary schools. The first course in biology is designed to meet the individual student's need in that regard;
5. Provide students with opportunities and experiences that may

enable them to develop competency in oral and written communications of biological information using an acceptable scientific format; and

6. Provide knowledge and experiences in the biological sciences as a foundation for students who are pursuing other science majors.

General Department Requirements

Student majors are assigned an advisor to direct their curriculum based on specific core courses and optional "elective courses." The advisor will assist students in choosing elective courses that are appropriate to their interest and goals. Individual students' curricula may vary based on optional elective courses.

Each curriculum has a suggested course sequence. In all cases, students should plan their course sequence in consultation with their advisors.

1. Majors must take Principles of Biology 1455 and Principles of Biology II 1456 before attempting to take any higher numbered courses in biology.

2. Majors must present a grade of "C" or better in all required biology courses and in support courses in chemistry, mathematics, physics, computer science, and a foreign language.
 3. Students should normally take required courses in sequence as indicated in the curricula outlines.
 4. Majors must take a comprehensive examination in biology during the last semester of their senior year.
 5. Majors in biology are encouraged to acquaint themselves with institutional requirements. Requirements listed in this section supplement, but do not supplant, institutional requirements.
1. Work as professional biologists in a variety of sub-disciplines of biology;
 2. Pursue graduate studies in anticipation of research careers; and
 3. Pursue professional studies in medicine, dentistry, pharmacy, and other health related professions.

Requirements

The Bachelor of Science degree in biology (non-teaching) requires a minimum of forty to forty one (40-41) semester hours in biology and includes the following:

Principles of Biology	1455
Principles of Biology II**	1456
General Zoology	1460
General Botany	1470
Genetics	3440
Comparative Anatomy	3460
Cell Biology	3480
Biology Seminar	4170
Vertebrate Physiology	4450
Developmental Biology	4460
Biology Electives (3-4 hours)	

BACHELOR OF SCIENCE IN BIOLOGY (Non-Teaching)

Objectives

This curriculum is designed to provide training in modern biology that will expose students to the latest concepts, tools, and techniques that may enable them to pursue the following:

Elective Courses

Ecology	2360
Human A&P I	2451
Human A&P II	2452
Invertebrate Zoology	3450
General Pharmacology	3390
General Microbiology	3470
Histology**	3490
Advanced Cell Biology	4330
Bioinformatics	CPSC 3346

Minor in Biology

The minor in biology requires a minimum of twenty-four (24) semester hours and includes the following:

Principles of Biology	1455
Principles of Biology II	1456
General Zoology	1460
General Botany	1470
Genetics	3440
Cell Biology	3480

BACHELOR OF SCIENCE IN SCIENCE EDUCATION-BIOLOGY (Teaching)

Objectives

This curriculum, offered in cooperation with the School of Education, is designed for biology majors who wish to follow a career in teaching at the junior or senior high school level:

1. To provide pre-service and in-service teachers with adequate information to be effective biology teachers;
2. To provide students with a sufficient background to pursue advanced study in biological science education; and
3. To provide prospective teachers with a broad background that will enable them to teach the interrelationship between the life sciences and world problems.

Requirements

The Bachelor of Science degree in Science Education-Biology requires twenty-seven (27) semester hours in biology and includes the following:

Principles of Biology	1455
Principles of Biology II	1456
General Zoology	1460
General Botany	1470
Ecology	2360
Genetics	3440
Cell Biology	3480

All prospective teachers must request admission to the School of Education by making a formal application. See criteria under Admission to School of Education.

Biology Courses (BIOL)

In courses that have an accompanying laboratory, grades are computed and credits awarded based on performance in both lecture and laboratory. Therefore, lecture and laboratory should be taken concurrently.

Non-science majors may fulfill their general education requirement in biology (four hours of biological science) by enrolling in Biological Science 1450, offering four credit hours, which is designed for non-science majors or by registering for Principles of Biology 1455, a four credit course designed for science majors.

BIOL 1450 BIOLOGICAL SCIENCE (4)

Broad view of modern concepts concerning the processes of life, including human biology, for the non-science major. Lecture: 3 hours per week. Laboratory: 2 hours per week. Lecture and laboratory should be taken concurrently, but are NOT APPLICABLE TO A MAJOR OR MINOR IN BIOLOGY. Offered: Fall and Spring semesters.

BIOL 1350 BIOLOGICAL SCIENCE (3)

*Starting Spring 2015

Broad view of modern concepts concerning the processes of life, including human biology, for the non-science major. Lecture: 3 hours per week. Note: Student must also take the one hour laboratory (BIOL 1150) for the course as well. NOT APPLICABLE TO A MAJOR OR MINOR IN BIOLOGY. Offered: Fall and Spring semesters.

BIOL 1150 BIOLOGICAL SCIENCE LABORATORY (1)***Starting Spring 2015**

Laboratory broad view of modern concepts concerning the processes of life, including human biology, for the non-science major. Laboratory: 2 hours per week. Note: Student must also take the three hour lecture (BIOL 1350) for the course. NOT APPLICABLE TO A MAJOR OR MINOR IN BIOLOGY. Offered: Fall and Spring semesters.

BIOL 1455 PRINCIPLES OF BIOLOGY (4)

Basic biological principles and concepts ranging from the molecular to the organismal level. Lecture: 3 hours per week. Laboratory: 3 hours per week. APPLICABLE FOR SCIENCE MAJORS. BIOL 1455 IS A PREREQUISITE FOR ALL HIGHER NUMBERED COURSES IN BIOLOGY. Offered: Fall and Spring semesters.

BIOL 1456 PRINCIPLES OF BIOLOGY II (4)

A continuation of basic underlying principles governing life processes from the molecular to organismal level with emphasis on gene regulation, biotechnology, and animal/plant structure and function. PREREQUISITE: BIOL 1455. Lecture: 3 hours

per week. Laboratory: 3 hours per week. Required for all BIOLOGY MAJORS. Offered: Fall and Spring semesters.

BIOL 1460 GENERAL ZOOLOGY (4)

Evolutionary approach to the classification of all animal phyla from protozoa through vertebrates. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 1456 or departmental consent. Offered: Fall and Spring semesters.

BIOL 1470 GENERAL BOTANY (4)

Structure, function and classification of vascular and non-vascular plants. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 1456 or departmental consent. Offered: Fall and Spring semesters.

BIOL 2360 ECOLOGY (3)

Evolutionary approach to the study of the relationship of organisms to their environment, including nature history of the vertebrates and environmental biology with emphasis on common Arkansas taxa. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: BIOL 1460 and BIOL 1470. Offered: Spring semester.

BIOL 2451 HUMAN ANATOMY & PHYSIOLOGY I (4)

Structure and function of human systems including the cell, tissues, the integument, skeletal, muscular, nervous, and the general and special senses. Lecture: 3 hours per week. Laboratory: 2 hours per week. Prerequisite: BIOL 1450, BIOL 1350/BIOL 1150 or BIOL 1455. NOT A REQUIREMENT FOR BIOLOGY MAJORS. Offered: Fall semester.

BIOL 2452 HUMAN ANATOMY & PHYSIOLOGY II (4)

Structure and function of human systems including circulatory, lymphatic, fluid and electrolyte, urinary, respiratory, digestive, endocrine and reproductive. Lecture: 3 hours per week. Laboratory: 2 hours per week. Prerequisite: BIOL 1450, BIOL 1350/BIOL 1150 or BIOL 1455. BIOL 2451 is not a prerequisite. NOT A REQUIREMENT FOR BIOLOGY MAJORS. Offered: Spring semester.

BIOL 3390 GENERAL PHARMACOLOGY (3)

Pharmacological principles, actions and effects of major classes of drugs used by man. Lecture: 3 hours per week. Prerequisite: Junior standing in Biology, Chemistry, Agriculture, Psychology, and other majors

by consent of instructor. Offered: Spring semester.

BIOL 3440 GENETICS (4)

Basic principles of inheritance, including classical, molecular and population genetics. Laboratory emphasizes Mendelian genetics gene cloning and Recombinant DNA Technology. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 1456 or departmental consent. Offered: Fall and Spring semesters.

BIOL 3450 INVERTEBRATE ZOOLOGY (4)

Structure, function, classification and life histories of selective representatives of the major invertebrate phyla. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 1460. Offered: **As needed.**

BIOL 3460 COMPARATIVE ANATOMY (4)

Evolutionary approach to the study of structural and functional relationships between representatives of the Chordate Classes. Lecture: 3 hours per week. Laboratory: 3 hours per week. Laboratory work requires extensive dissection. Prerequisite: BIOL 1460. Offered: Fall and Spring semesters.

BIOL 3470 GENERAL MICROBIOLOGY (4)

Anatomy and physiology of microorganisms and the role they play in daily life. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 1456 or departmental consent. Offered: Fall and Spring semesters.

BIOL 3480 CELL BIOLOGY (4)

Structural organization, metabolism and molecular genetics of the eukaryotic cell. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 1456 or departmental consent. Offered: Fall and Spring semesters.

BIOL 3490 HISTOLOGY (4)

Structure and function of vertebrate cells, tissues, and organ systems. Laboratory emphasizes microscopic identification of tissues. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 3480. Offered: Fall and Spring semesters.

BIOL 4150 BIOLOGICAL RESEARCH (1)

An investigative study of selected topics in some phase of biology through consultation, reading and laboratory work. Requires a formal paper and oral presentation, giving a review of the literature and

results of the investigation. Lecture: 1 hour per week. Prerequisite: Consent of instructor and Department Chair. Offered: As needed.

BIOL 4170 BIOLOGY SEMINAR (1)

Constructed around discussion of current biological problems and research interests as presented in seminars by students. Lecture: 1 hour per week. Prerequisite: Senior standing in biology and a minimum of 24 credit hours in Biology 2000 level courses and higher. Offered: Fall and Spring semesters.

BIOL 4355 SPECIAL TOPICS (3)

Constructed around topics not covered in regular biology courses. Lecture: 3 hours per week. Prerequisite: Open to biology majors or minors at the junior or senior level. Offered: As needed.

BIOL 4450 VERTEBRATE PHYSIOLOGY (4)

Study of the function of all vertebrate systems. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 3460. Offered: Spring semester.

BIOL 4460 DEVELOPMENTAL BIOLOGY (4)

Comparative approach to the study of all stages of development from germ cell formation to organogenesis in selective organisms. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: BIOL 3460. Offered: Fall and Spring semesters.

BIOL 4330/5330 ADVANCED CELL BIOLOGY (3)

Designed to give students an in-depth understanding of advances in cell biology with emphasis on biological membranes, cell-to-cell adhesion, cell signal transduction, receptors, cell cycle control and apoptosis. Lecture: 3 hours per week. Prerequisite: BIOL 3480 or CHEM 3412 or advanced graduate standing in General Science. Offered: Spring semester or as needed.

CPSC 3346 BIOINFORMATICS (3)

This course introduces students to the basic concepts and methods that have wide applicability in the natural sciences. Particular emphasis will be placed on the arena of bioinformatics and the selection of data representation, and algorithms useful in the design and implementation of practical problems arising from the field such as genetic sequencing, prediction and molecular structure comparison. Course content will be motivated by practical problems which arise within the interdisciplinary fields of biology and computer science. This course is taught in conjunction with computer science. Offered: Fall semester.

**BACHELOR OF SCIENCE DEGREE IN SCIENCE EDUCATION-BIOLOGY
(TEACHING)**

FALL SEMESTER					SPRING SEMESTER
FRESHMAN YEAR					
Principles of Biology	BIOL 1455	4	Principles of Biology II	BIOL 1456	4
General Chemistry I	CHEM 1430	4	General Chemistry II	CHEM 1440	4
College Algebra*	MATH 1330	3	College Trigonometry*	MATH 1340	3
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Found & Dev. of Am. Ed.	EDUC 1300	2	Career & Life Planning	BAS 1120	1
			Physical Education	HLPE 1110-1125	1
		17			15
SOPHOMORE YEAR					
General Botany	BIOL 1470	4	General Zoology	BIOL 1460	4
Earth Science I	CHEM 2300	3	Music Apprec. OR Art Apprec.	2300/2340	3
Cell Biology	BIOL 3480				
Geography North America OR	GEOG 2310	4	Instruc. Media/Tech	EDUC 2309	3
World Geography	GEOG 2360	3	Per. Health & Safety	HLPE 1310	3
Testing Seminar					
Only if Praxis I not passed	EDUC 2210	2	Oral Communication	MCOM 2390	3
		16-18			16
JUNIOR YEAR					
Ecology	BIOL 2360	3	Genetics	BIOL 3440	4
American Government OR	PSCI 2301	3	Psych. of Learn/Tech	EDUC 3302	3
U.S. History OR	HIST 2315		Assess. Mid/Sec Learn	EDUC	3
U.S. History	HIST 2318		Intro to Literature OR	ENGL 3306 2300	3
Survey of Exceptional Child	SPED 2300	2	World Lit I OR	ENGL 2360	
Elementary Spanish I	MDFL 2311	3	First Aid/CPR	HLPE 3220	2
Humanities	HUM 2310	3			
General Psychology	PSYC 2300	3			
		17			15
SENIOR YEAR					
Adolescent Dev.	MLED 3301	3	Student Teaching (Clinical)	SEED 4600	6
Educ. for Cultural Diversity	EDUC 3235	2	Student Teaching (Practicum)	SEED 4603	6
Classroom/Behavior Mgt.	EDUC 3303	3			
General Methods	SEED 4304	3			
Elementary Spanish II	MDFL 2321	3			
Disciplinary Literacy I	RDNG 4320	3			
		17			12

***Math 1550 Pre-calculus OR MATH 2510 Calculus may be substituted.**

**BACHELOR OF SCIENCE DEGREE IN BIOLOGY
(NON-TEACHING)**

FALL SEMESTER		SPRING SEMESTER			
FRESHMAN YEAR					
Principles of Biology	BIOL 1455	4	Principles of Biology II	BIOL 1456	4
General Chemistry I	CHEM 1430	4	General Chemistry II	CHEM 1440	4
College Algebra*	MATH 1330	3	College Trigonometry*	MATH 1340	3
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Personal & Social Dev.	BAS 1120	2	Career & Life Planning	BAS 1120	1
		16			15
SOPHOMORE YEAR					
General Botany	BIOL 1470	4	General Zoology	BIOL 1460	4
Organic Chemistry I	CHEM 3410	4	Organic Chemistry II	CHEM 3420	4
Oral Communication	MCOM 2390	3	Personal Health & Safety	HLPE 1310	3
				2300, 2360 or	
Intro/Soc. Sci. OR Intro/Soc.	SOCI 1320/2310	3	Literature	ENGL 2361	3
Humanities	HUMN 2301	3	Physical Education	HLPE 1110-1125	1
		17			15
JUNIOR YEAR					
Comparative Anatomy	BIOL 3460	4	Cell Biology	BIOL 3480	4
Chemistry Elective	CHEM 2430/3412	4	General Physics II	PHYS 2420	4
			Mus. Apprec. OR Art		
General Physics I	PHYS 2410	4	Apprec.	2330/2340	3
College Grammar OR	ENGL 3301		General Psychology	PSYC	
Advanced Composition OR	ENGL 3310		American Government OR	PSCI 2300/2312	3
Technical Writing	MCOM 3350	3	U. S. History	HIST 2315/2318	3
		15			17
SENIOR YEAR					
Developmental Biology	BIOL 4460	4	Genetics	BIOL 3440	4
Foreign Language** OR	MDFL	3	Vertebrate Physiology	BIOL 4450	4
Intro to Bus. Prog.	CPSC 2363		Foreign Language** OR	MDFL	3
Mathematics Elective****	MATH	3-5	Spec. Topic/Visual Basic	CPSC 2322	
Biology Elective*** OR	BIOL	3-4	Biology Seminar	BIOL 4170	1
Bioinformatics	CPSC 3346				
		13-			12
		16			

*Math 1550, 2320 or 2510 may be substituted

***Select from BIOL 2360, 3360, 3390, 3450, 3470 or 3490

**Select from MDFL 2310, 2320, 2311 or 2321

****Select from MATH 2370, 2510 or 3321

NOTE: All STEM Scholars Academy Biology Majors must take Pre-Calculus (MATH 1550). Calculus (MATH 2510) is not required but, encouraged.

Department of Chemistry and Physics

Grant Wangila, Interim Chair

Professors

Miah Muhammad Adel
Abul Kazi
Mansour Mortazavi
Richard Walker
Grant Wangila

Associate Professors

Aslam H. Chowdhury

Assistant Professor

Ryan Watley

Post-Doctoral Fellow

Wei Du

Instructors

Janee Adams
Johnmesha Sanders

Lab Instructor

Shaheen Khan

The mission of the Department of Chemistry and Physics is to provide basic knowledge of chemical and physical principles, quality science education and training, and enriched learning experiences in the disciplines of chemistry and physics.

The Department offers separate Bachelor of Science degrees in Chemistry and Physics. These degrees are designed to prepare graduates to work as professional

chemists or physicists, or to pursue advanced degrees in graduate or professional schools. An enhanced curriculum is available to students preparing for graduate school in the biomedical sciences. The Bachelor of Science Degree Secondary Science (Physical Science option) is offered for persons preparing to teach at the secondary level. Furthermore, many other career options are available to those obtaining degrees in Chemistry or Physics. Prospective majors should prepare their course of study in consultation with their academic advisor.

Objectives

Our objectives are to provide:

1. The proper courses and material contents required to obtain degrees in chemistry and physics;
2. The necessary courses and material contents in chemistry and physics required for those seeking admission to graduate or professional schools;
3. The necessary background in the physical sciences for those students preparing to become secondary science teachers;
4. Service to other departments that require courses in the physical sciences as an integral part of their curricula;

5. General scientific knowledge for non-science majors; and
 6. Continuing educational opportunities for teachers and other professionals requiring advanced courses in the physical sciences.
- Students who must repeat a chemistry or physics course more than once or who repeat more than one such course will be reviewed with the possibility of being dropped from the program.

General Departmental Requirements

Students select specific courses for their chosen major in consultation with their academic advisor.

- Chemistry or physics majors must earn a grade of “C” or better in all required chemistry and physics courses as well as in all required courses in mathematics or computer sciences.
- Chemistry and physics majors are required to fulfill all institutional course requirements. Requirements listed in this section supplement, but do not supplant the institutional requirements.
- Chemistry and physics majors must take a comprehensive examination in their field of study during the last semester of their senior year.

B.S. in Chemistry (Non-Teaching)

This curriculum is designed for those students who wish to pursue graduate studies in chemistry or a professional degree in medicine, pharmacy and other, or work as laboratory chemists.

Objectives

To provide:

1. A thorough knowledge of chemical principles and phenomena for those majors or minors in chemistry;
2. The necessary course work, content, and laboratory experience to adequately prepare students for graduate or professional schools;
3. The necessary course work, content, and laboratory experience to prepare students for careers as professional chemists;

4. Introduction to modern chemical laboratory methods and instrumentation; and
5. Students with the opportunity to engage in chemical research or other self-directed projects.

Requirements

The Bachelor of Science in Chemistry requires 120 hours of credit, a minimum of forty-four (44) hours in chemistry and includes the following chemistry courses:

General Chemistry	1430 and 1440
Organic Chemistry	3410 and 3420
Biochemistry	3412
Quantitative Analysis	2430
Instrumental Analysis	4440
Physical Chemistry	4410 and 4420
Inorganic Chemistry	4310
Chemistry Seminar	4110
Research Chemistry	4210
Chemical Research	4212

Mathematics requirements are Calculus I and II (2510 and 2520). Students entering without the proper background (a minimum score of 20 in mathematics section of ACT and grades of B or better in Algebra II, Trigonometry and Pre-Calculus in High School) would be required to take College Algebra 1330 and College Trigonometry 1340 before beginning calculus.

Physics requirements are University Physics I and II (3410 and 3420). These courses have a calculus prerequisite. At least six semester hours of computer science courses must be taken. Visual Basic 2322 must be included among these hours.

Biology requirements are Principle of Biology 1455 and one other 4.0 credit hour course which can be Biology 1460 or higher.

At least six hours of a foreign language must be taken.

Minor in Chemistry

The minor in chemistry requires twenty (24) semester hours and includes the following courses: General Chemistry 1430 and 1440, Quantitative Analysis 2430, Organic Chemistry 3410 and 3420, and Biochemistry 3412.

Undergraduate Research

Research experiences for course credit are available to students majoring in chemistry or physics. At times, financial assistance for undergraduate research experiences may be available through extramural funding. Students should inquire with the departmental chairperson concerning the availability of this funding.

B. S. in Secondary Science (Physical Science option) (Teaching)

This curriculum is offered in cooperation with the School of Education. It is designed primarily for those wishing to teach science at the secondary level.

Objectives

To provide prospective secondary science teachers with knowledge of:

1. Educational and human relations skills necessary to effectively communicate their subjects;
2. The cultural significance of chemistry as it relates to technology and social conditions, and how chemistry relates to other branches of science; and
3. Experimental methods used in chemistry, and the skills necessary to develop meaningful laboratory experiences for their students.

Requirements

The Bachelor of Science Degree in Physical/Earth Science (Teaching) requires 121 hours, and includes the following science and mathematics courses.

General Chemistry	1430 and 1440
Organic Chemistry	3410 or 3420
Earth Science I	2300
Earth Science II	2310
General Physics I	2410
General Physics II	2420
Astronomy	1445
Methods in High School Chemistry Teaching	4330
College Algebra 1330 and College Trigonometry 1340 or Pre-Calculus 1550	

All prospective teachers must request admission to teacher education by making formal application. See criteria under Admission to School of Education. Education course requirements are listed under the Curriculum for a Bachelor of Science in Education.

Bachelor of Science Degree in Physics

The physics degree is designed to prepare students for graduate or professional studies in physics or related fields or to work as professional physicists.

Objectives

To provide:

1. A thorough knowledge of basic physical principles and phenomena for those majors or minors in physics or in other fields requiring a physics background;
2. Opportunities for students to collect, analyze, and report data by established scientific principles;
3. Maximized experiences for students in the area of applied mathematics;
4. Students with adequate training in research and seminar presentations;
5. Students with opportunities to participate in professional organizations; and
6. Students with adequate training for employment in fields requiring a physics background.

Requirements

The Bachelor of Science in Physics requires a total of 120 credit hours. Out of these, a minimum of 58 hours come from the following physics courses:

Basic Electronics	3331
University Physics I and II	3410 and 3420
Laboratory Techniques	3411
Mathematical Methods in Physics	4310 and 4311
Electricity and Magnetism I	4312
Analytical Mechanics I	4321
Modern Physics I	4331
Thermodynamics	4341
Optics	4345
Space Physics	4346
Quantum Mechanics	4347
Advanced Laboratory I	4350
Introduction to Solid State	4352
Physics Research	4210 and 4220
Physics Seminar	4121
Physics Elective	
Physics Elective	
Mathematics requirements are Calculus I and II (2510, and 2520).	
Chemistry requirements are General Chemistry I and II (1430 and 1440)	
Computer Science requirements (six credit hours) are either Computer Programming/ C Language (2340) or Computer Programming/FORTRAN (2372).	

Chemistry Courses (CHEM)**CHEM 1300 BASIC CHEMISTRY (3)**

Designed for students with inadequate backgrounds in chemistry and mathematics to enter general chemistry. Reviews basic chemical concepts and mathematics necessary for general chemistry. Lecture: 3 hours per week.

CHEM 1410 PRINCIPLES OF CHEMISTRY (4) (TBD)**CHEM 1420 PRINCIPLES OF CHEMISTRY (4)**

These courses give brief description of the laws governing inorganic, organic and biochemistry. Considered to be a terminal sequence for students majoring in nursing or allied health sciences. Lecture: 3 hours per week. Laboratory: 2 hours per week.

CHEM 1411 PHYSICAL SCIENCE (4)

Survey of the physical sciences for the non-science major. Covers the disciplines of physics, chemistry and astronomy. This course is a part of the general education program. Lecture: 3 hours per week. Laboratory: 2 hours per week.

CHEM 1430 GENERAL CHEMISTRY (4)

Introduction to the basic laws and theories of chemistry. Covers basic concepts of atomic structure and chemical bonding, with an in-depth introduction to nomenclature of inorganic compounds, stoichiometric calculations, redox reactions, gas laws, and thermochemistry. Lecture: 3 hours per week. Laboratory: 3 hours per week. Co-requisite: MATH 1330 or departmental consent.

CHEM 1440 GENERAL CHEMISTRY (4)

A continuation of GENERAL CHEMISTRY 1430. In-depth introduction to atomic structure, molecular structure, chemical bonding, involving solution properties, chemical kinetics, chemical equilibrium, acid-base theory and introduction to thermodynamics. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: CHEM 1430.

CHEM/GEOG 2001 EARTH SCIENCE LAB

This lab is designed to supplement the lecture portion of the course CHEM 2300 or GEOG 2300. It provides practical application and hands-on activities which bring the concepts discussed in the lecture portion of the course to life. Concurrent enrollment required in CHEM 2300 or GEOG 2300.

CHEM 2210 CHEMICAL CALCULATIONS (2)

Presents calculations based on theories and principles in GENERAL CHEMISTRY 1430 and 1440. Lecture: 2 hours per week. Prerequisites: CHEM 1430 and 1440 (On Demand).

CHEM/GEOG 2300 EARTH SCIENCE (3)

This course encompasses an understanding of the natural forces at work within the atmosphere, hydrosphere, lithosphere, and biosphere of planet Earth. This course also examines the system that provides the energy by which these spheres function and interrelate. This course prepares all students to master pertinent information required to understand the integrated systems of our home planet. Concurrent enrollment required in CHEM 2001 or GEOG 2001.

CHEM/GEOG 2310 EARTH SCIENCE II (3)

This course encompasses an understanding of the natural forces at work within the lithosphere and biosphere of planet Earth. This course also examines the system that provides the energy by which these spheres function and interrelate. This course prepares students to master pertinent information required to understand the integrated systems of our home planet.

CHEM 2411 FUNDAMENTALS OF ORGANIC CHEMISTRY (4)

A short course emphasizing life science aspects through selected studies of both aliphatic and aromatic compounds. Introduces biochemistry. This course satisfies the organic chemistry requirement for a number of health sciences areas. Lecture: 2 hours per week. Laboratory: 3 hours per week. Prerequisite: CHEM 1410.

CHEM 2430 QUANTITATIVE ANALYSIS (4)

General survey of quantitative methods of analysis, exploring gravimetric and volumetric analysis and the treatment of analytical data. Emphasis is given to acid-base and redox reactions. Lecture: 2 hours per week. Laboratory: 4 hours per week. Prerequisite: CHEM 1440.

CHEM 3212 IDENTIFICATION OF ORGANIC COMPOUNDS (2)

Designed to explore the standard methods for the identification of known and unknown organic compounds by chemical and modern instrumental methods such as mass spectrometry, IR, UV, and NMR spectroscopy. Prerequisite: CHEM 3420 or faculty consent (on demand). Lecture: 1 hour per week. Laboratory: 4 hours per week.

CHEM 3310 PHYSICAL CHEMISTRY FOR THE LIFE SCIENCES (3)

Designed for those students in the life sciences whose schedules and interest prohibit taking the traditional two (2) semester physical chemistry course. Employs minimized mathematical vigor generally explored in physical chemistry courses; instead, takes a more practical approach, emphasizing the biological aspects of physical chemistry. Lecture: 3 hours per week. Prerequisites: CHEM 2411 or 3420 and MATH 1340.

CHEM 3410 ORGANIC CHEMISTRY (4)

Designed to explore the structure, bonding and physical properties of aliphatic hydrocarbons. The student is introduced to organic reactions and all organic functional groups. This is immediately followed by a systematic study of the synthesis and reactions of alkenes, alkynes, alkylhalides, alcohols and ethers in addition to stereochemistry. Prerequisite: CHEM 1410. Lecture: 3 one-hour periods per week. Laboratory: 1 three-hour per week.

CHEM 3420 ORGANIC CHEMISTRY (4)

This is a continuation of CHEM 3410 with emphasis on reaction mechanisms, synthesis, and spectroscopic methods. The

properties and reactions of aromatic compounds, amines, phenols and arylhalides are described. In addition, aldehydes, ketones, carboxylic acids and derivatives along with appropriate condensation reactions are discussed. Prerequisite: CHEM 3410. Lecture: 3 one-hour periods per week. Laboratory: 1 three-hour per week.

CHEM 3412 BIOCHEMISTRY (4)

An introduction to the biochemical principles of cellular constituents and chemical processes in living systems. Carbohydrates, lipids, proteins, and nucleic acids are covered in-depth. Enzymology and metabolic principles are introduced. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite: ORGANIC CHEMISTRY 3420.

CHEM 4110 CHEMISTRY SEMINAR (1)

Students, staff and guest lecturers present oral reports and discussions of topics from the current chemical literature. Required of all chemistry majors.

CHEM 4210 CHEMICAL RESEARCH (2)

Courses designed to allow senior students to work on selected problems of chemical interest. Emphasis placed on research techniques and methodology. Prerequisite: (advanced standing).

CHEM 4212 CHEMICAL RESEARCH (2)

A continuation of CHEM 4210. CHEM 4310 INORGANIC CHEMISTRY (3)

Explores, from a quantum mechanical point of view, atomic and molecular structures, periodic relationships and chemical bonding. Lecture: 3 hours per week. Prerequisite or Co-requisite: CHEM 4420.

CHEM 4330 METHODS IN HIGH SCHOOL CHEMISTRY TEACHING (3)

Required of undergraduate students pursuing a Bachelor of Science Degree in Chemistry with Endorsement in Education. Prepares prospective high school chemistry teachers to teach all students. Designed to develop competency in knowledge of curricula, teaching strategies, knowledge of the learning process and application of adjustment procedures pertaining to teaching high school chemistry. Lecture: 3 hours per week.

CHEM 4340 BIOMEDICAL CONCEPTS (3)

Deals with a limited number of biomedical topics, with discussion, overview and examples where appropriate. Also includes discussions of clinical material pertaining to particular diseases with an

examination of the underlying biochemical mechanisms.

Prerequisite: CHEM 3420 and 3412, BIOL 1460.

CHEM 4410 PHYSICAL CHEMISTRY (4)

Includes properties of matter in the gaseous state, elementary thermodynamics, chemical equilibrium, kinetic theory and chemical kinetics. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisites or co-requisite: MATH 2520, PHYS 3420.

CHEM 4420 PHYSICAL CHEMISTRY (4)

Explores electrochemistry, quantum chemistry, symmetry, molecular and electronic structures, spectroscopy and nuclear chemistry. Lecture: 3 hours per week. Laboratory: 3 hours per week. Prerequisite or Co-requisite: CHEM 4410, PHYS 3420.

CHEM 4440 INSTRUMENTAL ANALYSIS (4)

A course exploring instrumental techniques used in chemical analysis with emphasis on spectrometric and potentiometric methods. Lecture: 2 hours per week. Laboratory: 4 hours per week. Prerequisite: CHEM 4410.

CHEM 5311 ADVANCED LABORATORY (3)

Offers experiences and advanced techniques in spectrophotometry, chromatography, high temperature manipulations, non-aqueous solvent, systems, electroanalytical methods, and inert atmosphere reactions. Laboratory: 6 hours per week. Prerequisite: CHEM 3420.

CHEM 4325/5325 ADVANCED CHEMISTRY (3)

Explores special topics selected from the areas of inorganic, analytical, physical, organic, biochemistry or related fields. Required of students seeking Bachelor's Degree in Chemistry Education. Lecture: 3 hours per week. Prerequisite: Departmental approval.

CHEM 5331 HIGHER ORDER THINKING IN SCIENCE (3)

Designed to introduce middle-school or secondary science teachers to modern methods of science instruction. A series of laboratory exercises involving cooperative learning, discovery learning and integration of scientific disciplines are introduced. Teachers may choose to adopt some of these exercises for use in their classrooms. Laboratory: three hours per week. Prerequisite: Graduate in-training or in-service science teacher status.

CHEM 5312 ADVANCED BIOCHEMISTRY (3)

A continuation of Biochemistry 3412. A brief one-semester course which is designed to equip high school chemistry and biology teachers with biochemical concepts they will teach in their course. Proteins, lipids, carbohydrates, nucleic acids, enzymes and metabolic pathways are covered. Course is divided into two major sections, metabolism and molecular genetics, with emphasis on topics of current application and interest. Designed for chemistry and biology majors interested in attending graduate school. Prerequisite: CHEM 3420, 3412.

CHEM 5335 NUCLEAR CHEMISTRY (3)

An overview of the broad field of nuclear and radiochemistry. Emphasis on application of the properties of radioactive nuclei to the solution of the chemical problems. Chemistry, physics, and biology majors may find this course applicable to their curriculum. Prerequisite: MATH 2520, PHYS 3420, CHEM 2430 and 4410.

CHEM 5330 METHODS IN HIGH SCHOOL CHEMISTRY TEACHING (3)

Enhances the chemical knowledge base of high school chemistry teachers and teachers in related science fields. Covers application chemical principles, current industrial environmental and biomedical concern. Lesson and unit planning in chemistry is covered. Prerequisite: CHEM 1440 and a bachelor's degree in a science discipline.

CHEM 5340 ADVANCED ORGANIC CHEMISTRY (3)

Detailed study into the mechanisms of organic reactions and synthetic methods. Primarily for chemistry majors interested in attending graduate school and/or pursuing careers in research. Prerequisite: CHEM 3410, 3420, 4410.

CHEM 5350 CHEMICAL SEPARATIONS (3)

In-depth coverage of chemical separation techniques. These separation (and identification) techniques have wide applicability for research and/or industrial chemists. This is an advanced course designed for chemistry majors interested in attending graduate school. Prerequisite: CHEM 2430, 4440.

Physics Courses (PHYS)**PHYS 1445 INTRODUCTION TO ASTRONOMY (4)**

Materials for the introductory level investigation of the nature and kinds of heavenly objects, the creation and evolution of the universe, early astronomy, laws of physics, the solar system, the outer worlds, stellar and galactic astronomy, and cosmology. Approved as an alternate for Physical Science. 3 hours lecture per week and 2 hours lab per week.

Prerequisite: Consent of the instructor.

PHYS 2400 PHYSICS IN NURSING (4)

An introductory course in systems of measurement, density, specific gravity, force, pressure, motion, work, energy and power, machines, heat, temperature, audible and ultrasound, electrotherapy, radioactivity and radiation damages. 3 hours of lecture, 2 hours lab per week.

Prerequisite: admission to Nursing School and Chair's consent.

PHYS 2410 GENERAL PHYSICS (4)

An algebra-based introductory course which covers rectilinear motion, Newton's laws of motion, work, energy, power, conservation laws of energy and momentum, circular and rotational motion, wave motion, SHM, elasticity, equilibrium, gravitation, satellites, fluids, heat, temperature, thermal expansion, thermodynamics and sound. 3 hours lecture, 2 hours lab per week.

Prerequisite: MATH 1330.

PHYS 2420 GENERAL PHYSICS (4)

A continuation of GENERAL PHYSICS 2410. Topics are electrostatics, electric force, field, and potential, DC circuits, magnetism, Faraday's law, AC circuits; reflection, refraction, dispersion, polarization, interference, and diffraction of light, special relativity, quantum physics, atomic physics, nuclear physics, and particle physics. 3 hours lecture, 2 hours lab per week.

Prerequisite: PHYS 2410.

PHYS 3331 BASIC ELECTRONICS (3)

An introductory course in electronics. Ohm's law, junction law, loop law, Norton's theorem, Thevenin's theorem, reciprocal theorem, AC circuits, RC, LC and RLC circuits, semiconductors, diodes, transistors, filters, rectification, various amplifier circuits and electro-optics devices. 3 hours lecture per week. Prerequisite: PHYS 2420 or PHYS 3420.

PHYS 3410 UNIVERSITY PHYSICS (4)

An introductory level calculus-based course which covers rectilinear motion, Newton's laws of motion, work, energy, power, conservation laws of energy and momentum, circular and rotational motion, wave motion, SHM, elasticity, equilibrium, gravitation, satellites, fluids, heat, temperature, thermal expansion, thermodynamics and sound. 3 hours lecture and 2 hours lab per week.

Prerequisite: MATH 2520.

PHYS 3411 LABORATORY TECHNIQUES AND REPORT WRITING**(4)**

An introduction to precise laboratory techniques for the measurement of physical quantities and the formal presentation of experimental results. Selected experiments from the areas of heat, mechanics, sound, electricity and electromagnetic radiation. 3 hours lecture and 2 hour lab per week. Prerequisite: ENGL 1321 and PHYS 3420.

PHYS 3420 UNIVERSITY PHYSICS II**(4)**

A continuation of UNIVERSITY PHYSICS 3410. Topics are electrostatics, electric force, field, and potential, DC circuits, magnetism, Faraday's law, AC circuits; reflection, refraction, dispersion, polarization, interference, and diffraction of light, special relativity, quantum physics, atomic physics, nuclear physics, and particle physics. 3 hours lecture and 2 hours lab per week. Prerequisite or co-requisite: PHYS 3410.

PHYS 4210 PHYSICS RESEARCH (2)

Senior physics majors can sign up for research in topics of their interests after discussion with their advisors.

PHYS 4220 PHYSICS RESEARCH (2)

A continuation of PHYS 4210 PHYSICS RESEARCH.

PHYS 4221 PHYSICS SEMINAR (2)

A seminar for seniors. Discussions of modern physical theories and topics not covered in the standard elementary physics courses. Also, students have to attend lectures given by guest speakers. Besides, students make presentations of their research projects: 2 hours a week. Consent of the advisor.

PHYSICS 4361 MATHEMATICAL METHODS IN PHYSICS (3)

Mathematical techniques applied to physics covering vectors, matrices, series, partial differentiation, Fourier series, function of complex variables, integral transform, multiple integrals and numerical techniques. 3 hours lecture per week. Prerequisite: MATH 2520.

PHYS 4362 MATHEMATICAL METHODS IN PHYSICS II (3)

A continuation course of PHYS 4361 covering ordinary partial differential equations, special functions, and equation.

Prerequisite: MATH 2520. 3 hours lecture per week.

PHYS 4311 ELECTRICITY AND MAGNETISM I (3)

An intermediate course in electrostatics, magneto statics, dielectrics and electromagnetic field theory. 3 hours lecture per week. Prerequisite: PHYS 3420 and 4311.

PHYS 4312 ELECTRICITY AND MAGNETISM II (3)

A continuation of PHYS 4311 Electricity and Magnetism I. 3 hours lecture per week.

PHYS 4314 ELECTRICAL MEASUREMENTS (3)

A laboratory course in which resistance, current, voltage, inductance, capacitance, power, frequency and other electrical quantities are measured with high precision. 6 hours lab per week.

Prerequisite or co requisite: PHYS 2420 or PHYS 3420.

PHYS 4321 ANALYTICAL MECHANICS I (3)

An intermediate course in mechanics which covers calculus-based treatments of rectilinear motion of a particle, oscillations, motion in three dimensions, gravitation and central force problems, dynamics of system of particles, motion of rigid bodies, Lagrangian mechanics, and Hamiltonian formulation. 3 hours lecture per week.

Prerequisite PHYS 2410 or PHYS 3410 and PHYS 4311.

PHYS 4322 ANALYTICAL MECHANICS II (3)

A continuation of PHYS 4321 ANALYTICAL MECHANICS I. 3 hours lecture per week.

PHYS 4331 MODERN PHYSICS I (3)

An exploratory course in theoretical and experimental features of modern physics, including atomic structure and spectra, special relativity, solid state, quantum theory, nuclear and elementary particle physics. 3 hours lecture per week. Prerequisite or co-requisite: PHYS 4311.

PHYS 4332 MODERN PHYSICS II (3)

A continuation course of PHYS 4331 MODERN PHYSICS I. 3 hours lecture per week.

PHYS 4341 THERMODYNAMICS (3)

Emphasizes the laws of thermodynamics, transformation of heat, and the relationships between heat, work and entropy. 3 hours lecture per week. Prerequisite: PHYS 4311.

PHYS 4342 INTRODUCTION TO NUCLEAR AND PARTICLE PHYSICS (3)

This basic course in nuclear physics covers nuclear properties, nuclear potential well, deuteron, alpha decay, nuclear models, nuclear reactions, detectors, and accelerators. 3 hours lecture per week. Prerequisite: PHYS 4311.

PHYS 4345 OPTICS (3)

An intermediate course in the geometrical and physical optics covering lenses, fiber optics, aberrations, polarization, interference, diffraction, and Fourier optics. 3 hours lecture per week. Prerequisite: PHYS 4311.

PHYS 4346 SPACE PHYSICS (3)

Presentation of space environment; the physics of geospace; techniques for observing geospace; the neutral atmosphere; solar wind and the magnetosphere; principles of the ionosphere at middle, low and high latitudes; magnetosphere waves; and technological application of geospace space. 3 hours lecture per week. Prerequisite: Consent of the instructor.

PHYS 4347 QUANTUM MECHANICS (3)

This is a basic course in quantum mechanics. It covers postulates of quantum mechanics, operators, wave function, probability function, one dimensional potential barriers and potential wells, perturbation theory, and hydrogen atom. 3 hours lecture per week. Prerequisite: PHYS 4311.

PHYS 4348 INTRODUCTION TO ASTROPHYSICS (3)

This introductory level course covers celestial mechanics and the solar system, electromagnetic radiation and matter, telescopes and detectors, stellar astrophysics, galactic astrophysics, large scale structure of the universe, active galaxies and quasars, the Big Bang and beyond. 3 hours lecture per week. Prerequisite: PHYS 4311.

PHYS 4350 ADVANCED LABORATORY I (3)

Experiments emphasizing modern physical techniques and requiring considerable independent reading and investigation. Among the available experiments are magnetic resonance, nuclear counting, Frank-Hertz, charge/mass, spectroscopy, electronic systems, and Millikan Oil Droplet. Eight (8) hours lab per week. Prerequisite or co-requisite: PHYS 4331.

PHYS 4352 INTRODUCTION TO SOLID STATE PHYSICS

This introductory level course includes crystal structure, x-ray diffraction, lattice vibration, band theory, free electron model, semiconductor, superconductor, and electromagnetic properties. 3 hours lecture per week. Prerequisite: PHYS 4311.

PHYS 5331 ADVANCED PHYSICS (3)

A graduate level course in physics for Science Education majors. It covers laws of planetary motion, kinetic theory of gases, special theory of relativity, electromagnetism, fiber optics, wave mechanics, quantum theory, atomic structure, nuclear structure, particle physics, and solid state physics. 3 hours lecture per week. Prerequisite: Consent of the instructor.

PHYS 5345 LASERS/OPTICS AND APPLICATIONS (3)

Modern optics, quantum theory of light, semi-quantitative approach to the basic principles of lasers, laser sources, laser cavities, fiber optics, laser absorption in different materials, applications of lasers in medicine, industry, and scientific investigations. 3 hours lecture per week. Prerequisite: Consent of the instructor.

PHYS 4365/5365 ADVANCED ENVIRONMENTAL SCIENCE (3)

In a semi-quantitative way, the course presents the earth's atmosphere, basic physical and chemical principles, evolution of the earth, local and regional pollution issues, earth's climate machine, greenhouse warming, ozone layer depletion, and global environmental engineering. 3 hours lecture a week. Consent of the instructor.

CURRICULUM FOR PHYSICAL SCIENCE EDUCATION

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Personal & Social Dev	BAS	1210	2	Career & Life Planning	BAS	1120	1
College Algebra	MATH	1330	3	College Trigonometry	MATH	1340	3
Principles of Biology	BIOL	1455	4	Music Appreciation OR	MUSI	2330	3
General Chemistry I	CHEM	1430	4	Art Appreciation	ART	2340	
English Composition I	ENGL	1311	3	General Chemistry II	CHEM	1440	4
Foundation & Dev of Am Edu.	EDUC	1300	3	Personal Health & Safety	HLPE	1310	3
				English Composition II	ENGL	1321	3
			19	*Take Praxis I			17
SOPHOMORE YEAR							
U.S. History to 1877 OR	HIST	2315	3	Humanities OR	HUMN	2301	3
U.S. History Since 1877 OR	HIST	2318		Effective Thinking/Logic	HUMN	2340	
American Government	PSCI	2312		Theater Appreciation	SPDR	2324	3
First Aid/CPR OR	HLPE	3220	2	World Geography	GEOG	2360	3
Physical Education	HLPE	1110-1125	1	Organic Chemistry II	CHEM	3420	4
Learning to Lead	MLSC	1210	2	Earth Science II	CHEM	2310	3
Oral Communication	SPCH	2390	3	Instructional Media Tech	EDUC	2309	3
Organic Chemistry I	CHEM	3410	4				
Earth Science I	CHEM	2300	3				
Survey of Except. Children	SPED	2300	3				
			19	*Take Praxis II			19
JUNIOR YEAR							
General Psychology	PSYC	2300	3	Intro to Literature	ENGL	2300	3
General Physics I	PHYS 2310	2410	4	General Physics II	PHYS	2420	4
Intro to Astronomy	PHYS	1445	4	Elementary Spanish I	MDFL	2311	3
Adolescent Development	EDUC	3301	3	Classroom/Behav. Mgmt.	EDUC	3303	3
Psyc. Teach Adol Learners	EDUC	3302	3	Assess. Mid Level Learners	EDUC	3366	3
			17				16
SENIOR YEAR							
Elementary Spanish II	MDFL	2321	3	Student Teaching (Clinical)	EDUC	4600	6
Ed. For Cultural Diversity	EDUC	3235	2	Student Teaching (Practicum)	EDUC	4603	6
Methods of H.S. Chemistry	CHEM	4330	3				
			8				12

**CURRICULUM FOR BACHELOR OF SCIENCE
CHEMISTRY (Non-teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
General Chemistry I	CHEM	1430	4	General Chemistry II	CHEM	1440	4
Calculus I	MATH	2510	5	Calculus II	MATH	2520	5
Principles of Biology	BIOL	1455	4	Physical Education	HLPE	1112	1
Physical Education	HLPE	1110	1	Personal & Social Dev	BAS	1210	2
Career & Life Planning	BAS	1120	1				
			18				15
SOPHOMORE YEAR							
Organic Chemistry I	CHEM	3410	4	Organic Chemistry II	CHEM	3420	4
U.S. History Or	HIST	2315	3	Personal Health & Safety	HLPE	1310	3
American Government	PSCI	2312		Humanities	HUMN	2301	3
Quantitative Analysis	CHEM	2330	3	University Physics II	PHYS	3420	4
University Physics I	PHYS	3410	4	Principles of Economics	ECON	2310	3
General Psychology	PSYC	2300	3				
			17				17
JUNIOR YEAR							
Comp Sci/Vis Basic	CPSC	2322	3	Computer Science Elective	CPSC		3
Music History Appreciation	MUSI	2330	3	Oral Communication	MCOM	2390	3
Art History Appreciation	ART	2340	1	English Elective	ENGL		3
Physical Chemistry I	CHEM	4410	4	Physical Chemistry II	CHEM	4420	4
Foreign Language	MDFL		3	Foreign Language	MDFL		3
			14				16
SENIOR YEAR							
Instrumental Analysis	CHEM	4440	4	Inorganic Chemistry	CHEM	4310	3
Chemical Research	CHEM	4210	2	Research Chemistry	CHEM	4212	2
Biochemistry	CHEM	3412	4	Math Elective			3-5
Biology Elective	BIOL		4	Chemistry Seminar	CHEM	4110	1
			14				9-13

CURRICULUM FOR BACHELOR OF SCIENCE

PHYSICS

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Calculus I	MATH	2510	5	Calculus II	MATH	2520	5
Physical Education	HLPE	1110	1	Health & Safety	HLPE	1310	3
General Chemistry I	CHEM	1430	4	General Chemistry II	CHEM	1440	4
Career & Life Planning	BAS	1120	1	Physical Education	HLPE	1112	1
Humanities Elective	HUMN		3				
			17				16
SOPHOMORE YEAR							
Humanities	HUMN	2301	3	University Physics II	PHYS	3420	4
University Physics I	PHYS	3410	4	Personal & Social Dev	BAS	1210	2
U.S. History since 1865	HIST	2318	3	Oral Communication	MCOM	2390	3
Biology Elective	BIOL		4	Lit Elective 2300/2360/2361	ENGL		3
Social Science Elective			3	Differential Equation	MATH	4320	3
			17				15
JUNIOR YEAR							
Thermodynamics	PHYS	4341	3	Electricity /Magnetism	PHYS	4311	3
Analytical Mechanics I	PHYS	4341	3	Modern Physics	PHYS	4331	3
Computer	CPSC	2341	3	Laboratory	PHYS	3411	4
Foreign Language	MDFL	2301	3	Foreign Language	MDFL		3
Math Methods in Phys	PHYS	4361	3				
			15				13
SENIOR YEAR							
Advanced Laboratory I	PHYS	4350	3	Quantum Mechanics	PHYS	4347	3
Space Physics	PHYS	4346	3	Optics	PHYS	4345	3
Computer			3	Intro to Solid State	PHYS	4352	3
Physics Seminar	PHYS	4221	2	Research	PHYS	4220	2
Research	PHYS	4210	2	Physics Elective			3
			13				14

Department of Mathematics and Computer Science

Jessie J. Walker,
Professor/Chair

Professor Emeritus
Freddie D. Hartfield

Assistant Professors

Juanita Anthony
Zohreh B. Howard
Jessie Walker
Karl Walker (Visiting)
Elizabeth A. Wells

Instructors

Sharokh Abedi
Celeste Alexander
Israt Chowdhury
Benjamin Garlington
Anna Harris
Alandrea Minor
Ivan Raykov (Visiting)
Michael Seger

The Department of Mathematics and Computer Science offers the Bachelor of Science degree in two major areas: Computer Science and Mathematics. The Mathematics program provides both teaching and non-teaching options. The department also has a transfer program in Engineering with an additional dual-degree option.

General Requirements

Objectives

1. To support other departments requiring students to develop a certain level of mathematical, scientific, and technological maturity
2. To provide all students with the opportunity to acquire sufficient basic skills for daily living
3. To develop mathematical, scientific, and technological concepts required for certification and successful teaching
4. To provide those experiences that will facilitate successful graduate study and enhance job opportunities in the marketplace

Candidates seeking degrees in the Department of Mathematical and Computer Sciences must complete a minimum of 120 credit hours and 124 credit hours for the Mathematics teaching option, beginning with Calculus I. Majors with deficiencies in general mathematics, algebra and trigonometry must complete one or more of the courses numbered 1310, 1320 and 1415. Majors must also complete all core/major courses with a letter grade of "C" or better.

Computer Science

B.S. in Computer Science

Objectives

1. To strengthen the applied mathematics component of the curriculum
2. To reflect the undergraduate curriculum recommendations developed by the Association of Computing Machinery (ACM)
3. To provide an experience that will enable the student to develop and document well-organized computer programs
4. To provide a knowledge of various computer architectures
5. To encourage participation in student employment programs, research and seminars
6. To provide access to development in technology, leadership, socialism, and professionalism through a structured, student-led organization

Computer Science (CPSC)

CPSC 2151 COMPUTER ORGANIZATION AND PROGRAMMING LABORATORY (1)

A one-hour laboratory to accompany CPSC 2251 Computer Organization & Programming, supplemented by independent laboratory assignments.

CPSC 2251 COMPUTER ORGANIZATION & AND PROGRAMMING (2)

Study of the internal organization and operation of IBM compatible PC based computers. Introduction to assembly language including data representation, addressing techniques, data transfer and arithmetic operations.

CPSC 2300 COMPUTER SCIENCE I (3)

A fundamental treatment of Computer Science topics featuring the study of the high-level programming languages. Problem-solving techniques in writing programs will be studied; proper style and documentation will be required. Fundamental programming concepts, including variables, control structures and modular program design will be introduced. Laboratory exercises will involve an intensive study of programming using C++. Three hours of lecture per week, supplemented by independent laboratory assignments.

CPSC 2301 COMPUTER SCIENCE II (3)

This is a continuation of CPSC 2300. It provides more advanced exposure to applications developed in C++-language. Prerequisite: CPSC 3300 and CPSC 2300.

CPSC 2322 SPECIAL TOPICS/VISUAL BASIC (3)

Covers the fundamentals of the Windows GUI (Graphical User Interface) operating system and Visual Basic as a Windows-based application development language. This course will use practical problems to illustrate application-building techniques (using a current version of Visual Basic) as well as take advantage of new capabilities of building applications in a graphical environment, such as building one's own special-purpose, professional-looking applications. Three hours of lecture per week, supplemented by independent laboratory assignments.

CPSC 2344 LOCAL AREA NETWORKING (3)

Basic elements of data communications, data transmission, and topics of fundamental importance concerning the technology and architectures of networks. Prerequisite: General knowledge of computer operations.

CPSC 2363 INTRODUCTION TO BUSINESS PROGRAMMING (3)

An introduction to the use of the PC workstation. Extensive hands-on application of a leading microcomputer operating system interface, use of the Internet and several applications programs, including a worksheet program, a word processing program, a database program, and a presentation program.

CPSC 3102 DATA STRUCTURES LABORATORY (1)

A one-hour laboratory to accompany CPSC 3201 Data Structures, supplemented by independent laboratory assignments.

CPSC 3172 NUMERICAL SOLUTIONS LABORATORY (1)

A one-hour laboratory to accompany CPSC 3271 - Introduction to Numerical Solutions, supplemented by independent laboratory assignments.

CPSC 3201 DATA STRUCTURES (2)

A continuation of file and data structures from CPSC 2315 FILE PROCESSING; includes graphs, trees, strings, lists, arrays, symbol tables, searching and sorting techniques. Prerequisites: CPSC 2300 and CPSC 2301.

CPSC 3271 INTRODUCTION TO NUMERICAL SOLUTIONS (2)

Introduction to the numerical analysis of nonlinear equations and linear systems. Topics include interpolation, curve fitting, matrices, differentiation and integration. Scientific programming is included. Prerequisite: MATH 2520 or proficiency in at least one high-level programming language (CPSC 2300 and CPSC 2301).

CPSC 3300 SOFTWARE ENGINEERING (3)

This course is an introduction to principles and methodologies of Software Engineering (SE). SE includes the application of a systematic, disciplined, quantifiable approach to the development, operation and maintenance of software. Prerequisites: CPSC 2300 and CPSC 2301.

CPSC 3345 ARTIFICIAL INTELLIGENCE (3)

This course introduces students to the basic concepts and methods of artificial intelligence from a computer science perspective. Emphasis of the course will be on the selection of data representations and algorithms useful in the design and implementation of intelligent systems. Areas of application such as knowledge representation, natural language

processing, expert systems and robotics will be explored.

CPSC 3346 BIOINFORMATICS (3)

This course introduces students to the basic concepts and methods that have wide applicability in the natural sciences. Particular emphasis will be placed on the arena of bioinformatics, and the selection of data representation, algorithms useful in the design and implementation of practical problems arising from the field such as genetic sequencing, prediction and molecular structure comparison. Course content will be motivated by practical problems which arise within the interdisciplinary fields of bioinformatics and computer science.

CPSC 3352 ALGORITHMIC LANGUAGES & COMPILERS (3)

Study of programming languages paradigm, including specification of syntax and semantics. Categories of language translators according to their tasks, and detail study of components of a Compiler. Three hours of lecture per week, supplemented by independent laboratory assignments. Prerequisite: CPSC 2251, 2151 and proficiency in at least one high-level programming language (CPSC 2300 or CPSC 3362).

CPSC 3362 SPECIAL TOPICS/JAVA (3)

Introduction to the fundamentals of object oriented programming using JAVA. Covers the design of applications and applets as well as the object oriented concepts of classes, methods, inheritance and polymorphism. Three hours of lecture per week; supplemented by independent laboratory assignments. Prerequisite: proficiency in at least one high-level programming language (CPSC 2300 or CPSC 2301 or CPSC 2322).

CPSC 4153 SYSTEMS PROGRAMMING LABORATORY (1)

A one-hour laboratory to accompany CPSC 4252 Systems Programming, supplemented by independent laboratory assignments.

CPSC 4220 COMPUTER SCIENCE SEMINAR (2)

Designed to enhance student's knowledge of research, application development, technical writing, and presentation techniques. Students will design and implement problem-solving projects utilizing the CPSC core as well as modern application software. Prerequisites: Final semester senior status, successful completion or concurrent registration in final CPSC core course(s); approval of the academic advisor.

CPSC 4252 SYSTEMS PROGRAMMING (2)

Advanced Assembly language programming. Topics include arrays, macros, disk fundamentals, BIOS-level programming and high-level language interfaces. Prerequisites: CPSC 2151 and CPSC 2251.

CPSC 4301 COMPUTER ORGANIZATION AND SWITCHING THEORY (3)

Introduction to Digital Logic Design and implementation, design of Combinatorial and sequential circuitry. Analysis and design of Integrated Circuits. Base conversion, Boolean algebra simplification and application. Prerequisites: CPSC 2300 and CPSC 2301.

CPSC 4389 OPERATING SYSTEMS (3)

Historical development of operating systems to control complex computing systems; process management, communication, scheduling techniques; real and virtual memory management; file system concepts and operation; operating systems in practice – DOS-based, WINDOWS, UNIX, VAX/ VMS and IBM/VMS. Prerequisites: CPSC 2300, CPSC 2301, CPSC 2151 and CPSC 2251.

**CPSC 4394 DATABASE
MANAGEMENT (3)**

A study of the fundamental concepts of the design, structure, and development, and maintenance of databases. It includes an in-depth look at the relational database model, including an introduction to hierarchical and CODASYL models. SQL (Structured Query Language) and current commercial dbase application software packages are used. Prerequisites: CPSC 3300 and a high-level programming language (CPSC 2300 and CPSC 2301 or CPSC 3362).

**CPSC 4398 RESEARCH
(INDEPENDENT STUDY) (3)**

Open to advanced undergraduates meeting special criteria of the Computer Science Unit. Prerequisites: approval of academic advisor, unit coordinator, and department chair.

**CURRICULUM FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE
MATH - Option A**

FALL SEMESTER			FRESHMAN YEAR			SPRING SEMESTER		
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3	
Pre-Calculus	MATH	1550	5	Calculus I	MATH	2510	5	
Personal & Social Development	BAS	1210	2	Computer Science II (CSII)	CPSC	2301	3	
Intro. to Social Science	SOCI	1320	3	Personal Health & Safety	HLPE	1310	3	
Computer Science I (CS1)	CPSC	2300	3	Career & Life Planning	BAS	1120	1	
Physical Education	HLPE	1110-1125	1					
			<u>17</u>					<u>15</u>
				SOPHOMORE YEAR				
Intro. To Statistics	MATH	2370	3	Software Engineering	CPSC	3300	3	
U.S. History OR American Government	HIST	2315/2318	3	Oral Communication	MCOM	2390	3	
Computer Organ. & Programming	CPSC	2251	2	Biological Science	BIOL	1450	4	
Computer Organ. & Progr. LAB	CPSC	2151	1	Foreign Language Elective	MDFL		3	
Calculus II	MATH	2520	5	Humanities	HUMN	2301	3	
			<u>14</u>					<u>16</u>
				JUNIOR YEAR				
University Physics I	PHYS	3410	4	University Physics II	PHYS	3420	4	
Literature Elective	ENGL	2300/60/61	3	Data Structures	CPSC	3201	2	
Humanities Elective: ART Apprec. 2340 OR MUSI Apprec. 2330			3	Data Structures LAB	CPSC	3102	1	
Algorithmic Lang. & Compilers	CPSC	3352	3	Database Management	CPSC	4394	3	
General Psychology	PSYC	2300	3	Discrete Math	MATH	3390	3	
				Networking	CPSC	2344	3	
			<u>16</u>					<u>16</u>
				SENIOR YEAR				
Numerical Solutions	CPSC	3271	2	Computer Science Seminar	CPSC	4220	2	
Numerical Solutions LAB	CPSC	3172	1	Technical Elective	CPSC		9	
Technical Elective			3	Switching Theory	CPSC	4301	4	
Math Elective	MATH		3					
Math Elective	MATH		3					
			<u>12</u>					<u>14</u>

**CURRICULUM FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE
INFORMATION SYSTEMS - Option B**

FALL SEMESTER		FRESHMAN YEAR						SPRING SEMESTER	
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3		
Pre-Calculus	MATH	1550	5	Calculus I	MATH	2510	5		
Personal & Social Development	BAS	1210	2	Personal Health & Safety	HLPE	1310	3		
Intro. to Social Science	SOCI	1320	3	Career & Life Planning	BAS	1120	1		
Computer Science I (CS1)	CPSC	2300	3	Computer Science II (CS II)	CPSC	2300	3		
Physical Education	HLPE	1110-1125	1						
			17						15
SOPHOMORE YEAR									
Intro. To Statistics	MATH	2370	3	Biological Science	BIOL	1450	4		
US History OR American Government	HIST PSCI	2315/2318 2312	3	Software Engineering	CPSC		3		
				Oral Communication	MCOM				
Computer Organ. & Programming	CPSC	2251	2	Foreign Language Elective	MDFL		3		
Computer Organ. & Progr. LAB	CPSC	2151	1	Humanities	HUMN	2301	3		
Calculus II	MATH	2520	5						
			14						16
JUNIOR YEAR									
University Physics I	PHYS	3410	4	University Physics II	PHYS	3420	4		
Literature Elective	ENGL		3	Data Structures	CPSC	3201	2		
Humanities Elective:				Data Structures LAB	CPSC		1		
Art Appreciation OR	ART	2340	3	Database Management	CPSC	3102	43943		
Music Appreciation	MUSI	2330		Discrete Math	MATH	3390	3		
Algorithmic Lang. & Compilers	CPSC	3352	3	Local Area Networks	CPSC	2344	3		
General Psychology	PSYC	2300	3						
			16						16
SENIOR YEAR									
Numerical Solutions	CPSC	3271	2	Computer Science Seminar	CPSC	4220	2		
Numerical Solutions LAB	CPSC	3172	1	Technical Elective			3		
Technical Elective			3	Technical Elective	CPSC	4220	6		
Technical Elective			3	Switching Theory	CPSC	4301	3		
Math Elective	MATH		3						
			12						14

Mathematics

B. S. in Mathematics (Non-Teaching)

Objectives

1. To provide a rigorous experience in classical mathematics
2. To provide computational experience using modern technological facilities
3. To provide an applied mathematics core in the total program
4. To promote student research and seminars both on and off campus
5. To encourage participation in professional organizations
6. To encourage work-study experiences through the Cooperative Education Program

Mathematics Core

The mathematics core (listed below) consists of courses (totaling 34 credit hours) common to the teaching and non-teaching fields of study.

The Mathematics Core requires 34 hours:

Calculus I	2510
Calculus II	2520
Multi-variable Calculus	3331
Modern Algebra I	4300
Linear Algebra	3311
Differential Equations I	4320
Probability & Statistics I	3320
Nine (9) hours of electives, 3000 level or above in Mathematics	

Mathematics Education Core (34 hours):

Calculus I	2510
Calculus II	2520
Introduction to Statistics	2370
Selected Topics	3300
Linear Algebra	3311
Multi-variable Calculus	3331
College Geometry	3350
Modern Algebra I	4300
Differential Equations I	4320
History of Mathematics	4399
Mathematics (non-teaching) requires 18 additional hours and electives taken on the advice of the student's advisor.	

Minor in Mathematics (22 hours):

A minor in mathematics consists of the following courses:

Calculus I	2510
Calculus II	2520
Multi-variable Calculus	3331
Probability & Statistics I	4330
Six (6) hours of electives, 3000 level or above in Mathematics.	

B. S. in Mathematics (Teaching)**Objectives**

- To monitor and implement the recommendations of the National Council of Teachers of Mathematics (NCTM), the Committee on Undergraduate Programs in Mathematics (CPUM) and the Mathematical Association of America (MAA)
- To enable students to meet the teacher certification requirements of Arkansas
- To provide prospective secondary school teaching professionals with a well-rounded and balanced program of study (pure, applied computational mathematics)
- To cooperate with the School of Education in developing sound pedagogical principles
- To encourage research and to stimulate interest in current trends in mathematical education
- To encourage participation in professional organizations (national and local) and to support local organizations that provide tutorial sessions conducted by mathematics majors in other fields

Mathematics Courses (MATH)**MATH 1330 COLLEGE ALGEBRA (3)**

The number system and fundamental operations, linear and quadratic equations, functions and graphs, complex numbers, inequalities, logarithms and matrices.
Prerequisite: A minimum grade of "C" or better in MATH 1415 or placement by score on ACT of 19 or higher.

MATH 1340 COLLEGE TRIGONOMETRY (3)

Trigonometric functions, fundamental identities, variations and graphs of trigonometric functions, functions of composite angles, polar coordinates, logarithms, solutions of right and oblique triangles, progressions and the binomial theorem.

Prerequisites: A minimum grade of “C” or better in MATH 1330 or placement by score on ACT score of 23 or higher.

MATH 1359 ENHANCED QUANTITATIVE LITERACY (3)**MATH 1360 QUANTITATIVE LITERACY (3)**

The goal of Quantitative Literacy is to provide students with mathematical understandings and skills to be productive workers, discerning consumers, and informed citizens. Students will solve problems using mathematical reasoning involving logic, proportions, algebra, and relations. ***A scientific calculator is required for this course (the graphic calculator TI, T1-83 or TI-84 is recommend by the department)***

MATH 1415 INTRODUCTION TO ALGEBRA (4)

A survey course in college mathematics. Basic topics in arithmetic and algebra. Designed primarily for students not qualified to enroll directly in MATH 1330—College Algebra. Fundamental operations of the real number system, factoring, linear equations, functions and graphs, exponents, and radicals. Prerequisite: Placement by score on Math Placement Test. A minimum grade of “C” is required for passing. Credit hours not counted toward graduation requirement.

MATH 1550 PRE-CALCULUS (5)

Designed to prepare students to enter Calculus. Coverage includes trigonometry and analytical geometry. Algebra, coordinate geometry, functions, graphs, systems of equations. Trigonometric functions and their graphs, inverse functions, law of sine and cosine, polar coordinates, vectors and their applications. Prerequisite: Placement by score on ACT of 19 or higher.

MATH 2330 ANALYTIC GEOMETRY (3)

Algebraic methods of solving geometric problems. Cartesian and polar coordinates. The straight line, conic sections. Applications. Prerequisite: MATH 1330.

MATH 2370 INTRODUCTION TO STATISTICS (3)

The classification of data, different kinds of averages and their uses, frequency distributions, meaning of dispersion and its measurement, regression or trend lines, the meaning of co-relations. This course will not be counted toward a major in mathematics. Prerequisite: MATH 1330.

MATH 2510 CALCULUS I (5)

Variables, functions, limits, differentiations and integration of algebraic forms, integration as a process of summation. Applications to geometry and mechanics. Required of majors. Prerequisite: MATH 1350 or ACT score of 27 or higher.

MATH 2520 CALCULUS II (5)

Differentiation and integration of transcendental functions, polar coordinates, parametric equations, indeterminate forms, integration, series, expansion of functions, partial derivatives and multiple integrals. Required of majors. Prerequisite: A grade of C or better in MATH 2510.

MATH 3300 SELECTED TOPICS IN SECONDARY MATHEMATICS FOR TEACHERS (3)

For students who plan to teach mathematics in secondary schools; foundation of arithmetic, algebra, geometry, and trigonometry. Prerequisite: MATH 2510 or consent of instructor.

MATH 3311 LINEAR ALGEBRA (3)

Introduction to vector spaces, linear transformations and matrices. Prerequisite: MATH 2510.

MATH 3320 PROBABILITY & STATISTICS I (3)

Probability spaces, random variables, univariate and multivariate distributions, moment generating functions, laws of large numbers and central limit theorem. Prerequisite: MATH 2520 and MATH 3331 recommended.

MATH 3321 PROBABILITY & STATISTICS II (3)

Sampling distributions, estimation, tests of statistical hypotheses, non-parametric methods, regression and correlation, elementary decision theory. Prerequisite: MATH 3320.

MATH 3331 MULTI-VARIABLE CALCULUS (3)

A critical treatment of certain topics in calculus: limits, continuity, differentiation of functions of one and several variables, series, definite and multiple integrals. Prerequisite: A grade of C or better in CALCULUS II - MATH 2520.

MATH 3350 COLLEGE GEOMETRY (3)

Problems of construction, logic, indirect methods, similar and homothetic figures, the triangle, medians, bisectors, altitudes, and transversals. Theorems and problems in solid geometry. Required of majors in Mathematics Education. Prerequisite: A grade of "C" or better in MATH 1330 OR MATH 1550.

MATH 3390 DISCRETE MATH (3)

An applied mathematics course which emphasizes fundamental principles of discrete mathematics and their applications to Computer Science. Topics include logic, mathematical induction, sets, relations, algorithms, permutations and combinations, and graphic theory. Prerequisite: A grade of "C" or better in MATH 2520.

MATH 4220 MATHEMATICS SEMINAR (2)

A seminar for math majors. Discussion of problems, solutions, theorems and topics not generally nor deeply covered in the regular curriculum, including history and philosophy of mathematics, number theory, topology, induction, non-Euclidean geometries. Conducted by members of the staff and invited participants. Prerequisite: Any 3000-level math course.

MATH 4300 MODERN ALGEBRA I (3)

Rational numbers and fields, real and complete numbers, groups, rings, matrices, determinate, canonical forms. General theorems of modern algebra. Prerequisite: MATH 3331 OR MATH 3390.

MATH 4310 MODERN ALGEBRA II (3)

A continuation of MATH 4300 - MODERN ALGEBRA I. Prerequisite: MATH 4300.

MATH 4320 DIFFERENTIAL EQUATIONS I (3)

Treatment of ordinary differential equations including principal types of first and second order equations, simultaneous equations, and linear equations with constant coefficients. Applications to geometry, physics, chemistry, and mechanics. Elective. Prerequisite: A grade of "C" or better in MATH 2520.

MATH 4321 DIFFERENTIAL EQUATIONS II (3)

A continuation of MATH 4320 DIFFERENTIAL EQUATIONS 1. Systems of linear differential equations, mechanical-electrical circuits, Laplace transform, Fourier Series, partial differential equations, Bessel and Legendre functions. Prerequisite: MATH 4320 and at least concurrent enrollment in MATH 3331.

MATH 4340 MODERN ELEMENTARY MATHEMATICS I (3)

A course in mathematics for prospective and in-service teachers of elementary mathematics. Stressing the art of problem-solving, basic set theory, introduction to logic, numeration, and mathematical systems. Prerequisite: A grade of "C" or better in MATH 1330.

MATH 4341 MODERN ELEMENTARY MATHEMATICS II. (3)

A continuation of MATH 4340 MODERN ELEMENTARY MATHEMATICS I. Emphasizing number theory, real numbers and their representations, and basic concepts of algebra and geometry. Prerequisites: A grade of "C" or better in MATH 1330 **OR** independent of MATH 4340.

MATH 4342 INTRODUCTION TO TOPOLOGY (3)

The study of Topology is of interest in its own right, but it also serves to lay the foundation for future study in analysis, in geometry, and in algebraic topology. This course presents the basic concepts of set theory and logic, topological spaces and continuous functions, connectedness, compactness, count ability, and separation axioms. Prerequisite: Consent of instructor. Presents the basic ideas and techniques of analysis for functions of a single real variable and the technique of a precise analytic proof. Prerequisite: MATH 3331.

MATH 4351 ADVANCED CALCULUS II (3)

A continuation of MATH 4350 - ADVANCED CALCULUS I. Prerequisite: MATH 4350.

MATH 4360 NUMERICAL ANALYSIS I (3)

Zeros of real functions, systems of linear systems, least squares approximation, orthogonal polynomials, economization of power series, Lagrange and Hermite interpolating polynomials, Newton-Cotes numerical integration. Prerequisites: MATH 3331, **AND** at least concurrent enrollment in MATH 4320.

MATH 4361 NUMERICAL ANALYSIS II (3)

Gaussian type numerical integration, finite differences, initial value ordinary differential equations, boundary value differential equations, signs vector-values. Prerequisites: MATH 4360 **AND** at least concurrent enrollment in a CPSC language course.

MATH 4370 INTRODUCTION TO COMPLEX VARIABLES (3)

The algebra of complex numbers and their representation; analytic functions; complex integration and series; representations for analytic functions; and applications. Prerequisite: A grade of "C" or better in MATH 3331.

MATH 4380 INTRODUCTION TO REAL ANALYSIS (3)

This course presents the basic ideas and techniques of analysis for functions and sequences. Topics include sets, relations, mathematical induction, recursion, equivalent and countable sets, limits of functions, continuity, and differentiation, Riemann integral and infinite series. Prerequisite: Consent of instructor.

MATH 4390 INTRODUCTION TO NUMBER THEORY (3)

An introduction to the theory of numbers, including divisibility theorems, prime numbers, congruencies and related topics. Prerequisite: Consent of instructor.

MATH 4399 HISTORY OF MATHEMATICS (3)

A survey of the development of Pythagorean Mathematics, the Euclidean Algorithm, the Non-Euclidean Geometry and the Physical Space in the 20th century. Prerequisite: Consent of instructor.

**CURRICULUM FOR BACHELOR OF SCIENCE IN MATHEMATICS
Option I (Non-Teaching)**

FALL SEMESTER			SPRING SEMESTER			
FRESHMAN YEAR						
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321	3
Calculus I	MATH	2510	5	Calculus II	MATH 2520	5
Physical Science	CHEM	1411	4	Intro. to Business Programming	CPSC 2363	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS 1120	1
Intro. to Social Science	SOCI	1320	3	Biological Science	BIOL 1450	4
				Military Science	MLSC 1120	
				Physical Education	HLPE 1110-1125	1
			<u>17</u>			<u>17</u>
SOPHOMORE YEAR						
English Elective	ENGL		3	General Psychology	PSYC 2300	3
US History –or- US History or- American Government	HIST	2315/2318	3	Humanities: ART Appreciation OR MUSIC Appreciation	ART 2340 MUSI 2330	3
Intro. to Statistics	MATH	2370	3	Oral Communication	MCOM 2390	3
Humanities	HUMN	2301	3	Personal Health & Safety	HLPE 1310	3
Physical Education	HLPE	1110-1125	1	Computer Science Elective	CPSC	3
Foreign Language Elective	MDFL		3	Multi-Variable Calculus	MATH 3331	3
			<u>16</u>			<u>18</u>
JUNIOR YEAR						
University Physics I	PHYS	3410	4	University Physics II	PHYS 3420	4
Modern Algebra I	MATH	4300	3	Probability & Statistics I	MATH 3320	3
Discrete Mathematics	MATH	3390	3	Economics	ECON 2310	3
Differential Equations I	MATH	4320	3	Differential Equations II	MATH 4321	3
Technical Elective			3	Modern Algebra II	MATH 4310	3
			<u>16</u>			<u>16</u>
SENIOR YEAR						
Numerical Analysis	MATH	4360	3	College Geometry	MATH 3350	3
Mathematics Seminar	MATH	4220	2	Linear Algebra	MATH 3311	3
Complementary Electives			9	Complementary Electives		6
			<u>14</u>			<u>12</u>

**CURRICULUM FOR BACHELOR OF SCIENCE IN MATHEMATICS
OPTION II (Teaching)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Calculus I	MATH	2510	5	Calculus II	MATH	2520	5
Personal & Social Development	BAS	1210	2	Personal Health & Safety	HLPE	1310	3
Intro. To Social Science	SOCI	1320	3	Career & Life Planning	BAS	1120	1
Humanities: ART Appreciation	ART	2340	3	Biological Science	BIOL	1450	4
–or- MUSIC Appreciation	MUSI	2330					
Physical Education	HLPE	1110-1311	1	Humanities	HUMN	2301	3
			17				19
SOPHOMORE YEAR							
Physical Education	HLPE	1110-1311		Health	HLPE	3213	2
General Physics I	PHYS	2410	1	General Physics II	PHYS	2420	4
American Government	PSCI	2312	4	U.S. History Since 1865	HIST	2318	3
Computer Science Elective	CPSC		3	Intro. To Statistics	MATH	2370	3
Found. & Dev. of American Educ.	EDUC	1300	3	Humanities Elective	HUMN		3
English Elective	ENGL		3	Oral Communication	MCOM	2390	3
			17				18
JUNIOR YEAR							
Assessing Middle/Sec Learners	EDUC	3366	3	Selected Topics	MATH	3300	3
Multi-Variable Calculus	MATH	3331	3	Instructional Media & Technology	EDUC	2309	3
College Geometry	MATH	3350	3	Linear Algebra	MATH	3311	3
Survey of the Exceptional Child	SPEC	2300	3	Human Growth & Development	EDUC	3301	3
General Chemistry	CHEM	1430	4	Numerical Solutions	CPSC	3271	2
Psychology of Learning & Teaching	EDUC	3302	3	Numerical Solutions LAB	CPSC	3172	1
			19				15
SENIOR YEAR							
General Methods	EDUC	4304	3	Student Teaching: Clinical	EDUC	4600	6
Differential Equations I	MATH	4320	3	Student Teaching: Practicum	EDUC	4610	6
Modern Algebra I	MATH	4300	3				
Cultural Diversity	EDUC	3325	3				
Classroom & Behavior Managmt.	EDUC	4310	3				
			15				12

Pre-engineering

Objectives

1. To provide a flexible, interdisciplinary and quality engineering background that helps smooth the student's transition to a degree-granting institution
2. To provide an avenue for the student to shift from a closed technical environment to the public, industrial, and commercial sectors

The department designed this program to interface with the College of Engineering at UAF. It has also successfully interfaced with other fully accredited colleges of engineering. In accord with the accreditation guidelines of ABET, the College of Engineering requires that a minimum of sixty hours of upper division course credit toward a degree program be taken in residence. The last two years of this curriculum reflects this policy.

Engineering Courses (ENGN)

ENGN 1100 ORIENTATION (1)

A lecture series dealing with engineering as a profession and its various branches. Introduction to basic tools and computational devices as they relate to the solution of engineering problems. Required of all pre-engineering freshman students.

ENGN 2303 FUNDAMENTALS OF STATISTICS (3)

An introduction to forces, moments, equivalent force systems and resultants, equilibrium, emphasizing the free body concept with applications to trusses and frames; analysis of friction; centroids and moments of inertia. Vector approach emphasized. Prerequisite: MATH 2520.

ENGN 2310 FUNDAMENTALS (3)

An introduction to the profession of engineering; units and dimensions; computational devices, model analysis, trial and error solution techniques; conservation and accountability. Prerequisite: MATH 1340.

ENGN 2422 SURVEYING I (4)

An introduction to theodolite, aerial camera and electronic distance-measuring equipment. Emphasis on theory of errors, correlation of theory and practical field methods, significant figures and the interdependence of field, computation and mapping requirements. Prerequisite: ENGN 2310.

ENGN 3300 ENGINEERING ECONOMICS (3)

A study of engineering decision making based on cost; economics of capital investments. Prerequisites: MATH 1330.

ENGN 3303 DYNAMICS (3)

Kinematics and kinetic of forces. Prerequisites: ENGN 2303 and MATH 2520.

ENGN 3310 FLUID MECHANICS (3)

An introduction to the properties of fluids, derivation and application of the hydrostatic principle; kinematics of fluid flow; continuity equation; conservation of energy and momentum principles. Prerequisite: ENGN 3303.

ENGN 3311 ELECTRIC CIRCUITS (3)

Fundamental laws of circuit theory, electrical phenomena and their applications to real circuits; electronic devices; energy conversion, the analog computer. Prerequisites: MATH 2520 and PHYS 3420.

ENGN 3313 MECHANICS OF MATERIALS (3)

Stress and deformation of elements in tension, compression, torsion and bending; elementary design features. Prerequisite: ENGN 2303.

ENGN 3333 THERMODYNAMICS (3)

A study of the laws of thermodynamics and their use in the analysis of processes involving the control and utilization of energy, properties of gases and vapors; non-flow and flow processes; the concept of entropy, heat engines and reverse heat engines. Prerequisites: PHYS 3410 and MATH 2520.

ENGN 3390 OPERATIONS RESEARCH (3)

Linear programming; transportation and assignment problems, game theory; critical path and PERT analysis; networks; inventory models, introduction to dynamics programming. Prerequisite: MATH 2520.

ENGN 3440 MATERIAL SCIENCE (4)

A study of the structure of engineering materials with emphasis on structural metals. Microstructure and macrostructure of materials. Laboratory test methods and demonstrations. Prerequisites: PHYS 3410, CHEM 1440 and ENGN 3313.

CURRICULUM FOR PRE-ENGINEERING

FALL SEMESTER

SPRING SEMESTER

FRESHMAN YEAR

English Composition I	ENGL	1311	3	English Comp. II	ENGL	1321	3
Calculus I	MATH	2510	5	Calculus II	MATH	2520	5
Graphics	TECH	1302	3	Computer Science I	CPSC	2300	3
Physical Education	HLPE	1110-1121	1	General Chemistry II	CHEM	1440	4
General Chemistry	CHEM	1430	4	Physical Education	HLPE		1-3
<u>16</u>				<u>16-18</u>			

SOPHOMORE YEAR

Oral Communication	MCOM	2390	3	Dynamics	ENGN	3303	3
American Government	PSCI	2312	3	College Grammar	ENGL	3301	3
University Physics I	PHYS	3410	4	University Physics II	PHYS	3420	4
Fundament. of Statistics	ENGN	2303	3	Electric Circuits	ENGN	3311	3
				Engineering Economics	ENGN	3300	3
<u>13</u>				<u>16</u>			

JUNIOR YEAR

Technical Writing	ENGL	3350	3	Fluid Mechanics	ENGN	3310	3
Thermodynamics	ENGN	3333	3	Modern Physics	PHYS	4331	3
Switching Theory	CPSC	4301	3	Material Science	ENGN	3440	4
Differential Equations I	MATH	4320	3	Numerical Analysis I	MATH	4360	3
Mechanics of Materials	ENGN	3313	3	Humanities OR	HUMN	2301	
Humanities or				Social Science Elect.	SOCI	1320	3
Social Science Elective			3				
<u>18</u>				<u>16</u>			

**Department of
Industrial Technology
Management &
Applied Engineering
(ITMAE)**

Charles R. Colen, Jr., Chair

Associate Professors

Verma K. Jones
Seyed Ebrahim Taghavi

Instructors

O. C. Duffy, Jr.
Samuel Turner, III
Felicia Webb

Industrial Technology Management and Applied Engineering is a field of study designed to prepare technical and/or technical management-oriented professionals for employment in business, industry, education, and government. Industrial Technology graduates obtain a sound knowledge and understanding of a variety of skills which may include but are not limited to the following areas: material and production processes, industrial management and human relations, principles of distribution, design, safety, automation and electronics. They also acquire a thorough understanding of the theories and the ability to apply the principles and concepts of mathematics, science and the application of computer fundamentals.

Degree Programs

The Industrial Technology Management & Applied Engineering Department offers a Baccalaureate Degree. The curriculum is designed for preparation of graduates to plan, design, manufacture, manage, research, and solve complex technical and managerial problems in the workplace. The academic experience of Industrial Technology majors blends comprehensive general education courses and extensive laboratory experience with industrial operations. In addition, the Department is accredited by the Association of Technology, Management and Applied Engineering (ATMAE). All majors must complete core/major courses and technical electives with a grade of “C” or better.

B.S. in Industrial Technology Management & Applied Engineering

Objectives

1. To provide a general overall understanding of American and international industry, research, design, production, management and servicing

2. To provide each major with a firm understanding of modern technological practices and procedures used by industry
3. To provide each major with a solid foundation of the various industrial areas that will prepare the student for a position in corporate America
4. To provide each student with a background in technical management and supervision
5. To instill in each student an appreciation of the American work ethic and for completing tasks with pride and on time
6. To provide students with "hands on" experience, using the latest traditional and high technological instrumentation, equipment and simulation software
7. To provide students with personal, professional, academic and occupational advice for growth

The sequence of classes in Industrial Technology Management & Applied Engineering is intended to give the students an opportunity to

identify course requirements and to provide them with the skill sets needed to be productive individuals in today's workforce.

General Program Requirements

The Bachelor of Science Degree in Industrial Technology Management & Applied Engineering is awarded to students who complete the outlined program of study and pass the English Proficiency Examination. Students must take the Comprehensive Examination the semester of graduation, maintain an overall grade point average of 2.00 and meet all other institutional and Departmental requirements. Students may pick up degree plans in the Chair's Office, Room 100 - Rust Technology Hall.

Industrial Technology Management and Applied Engineering Courses (TECH)

TECH 1301 INDUSTRIAL SAFETY MANAGEMENT (3)

Designed to emphasize the importance of industrial safety management from a managerial point of view. The course encompasses information of Safety Program Design, OSHA and EPA regulations and the importance of understanding the manager and employees' responsibilities.

TECH 1302 ENGINEERING GRAPHICS (3)

A basic course in the use of engineering graphics as a communication tool; drafting equipment familiarization; conventional representations; orthographic projections; sketching; detailed drawing, lettering, dimensioning and spatial geometry. Lecture: 2 hours per week. Laboratory: 2 hours per week

TECH 1320 MATERIALS, CONSTRUCTION PROCEDURES/PRACTICES (3)

Study of materials and their installation practices used in construction. Include structure design, developing bill of materials, and performing construction calculations to establish the cost of constructing a structure, such calculations as footing, asphalt, and maps as they relate to construction. The course also gives the student an overview of the different types of construction contracts. Lecture: 2 hours per week. Laboratory: 2 hours per week.

TECH 1332 FUNDAMENTAL ELECTRONICS (3)

A broad overview of electronics and an introduction to the hardware and instruments used in the electronics industry. Provides a coverage of the fundamentals of electricity and magnetism. Emphasis is on DC circuits.

Course also includes a study of the generation of alternating current and voltage, AC measuring instruments, treatment of various combinations of resistance, inductance and capacitance in AC circuits, power, resonance and transformers. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: MATH 1330 or 1550.

TECH 1360 INTRODUCTION TO MANUFACTURING PROCESSES (3)

An introductory study of manufacturing processes. Included are manufacturing materials, chip removal, material fusion, shaping, molding, extrusion. An overview of the latest technology used in the manufacturing industry. Such as Just- In- Time Manufacturing, Computer Aided Manufacturing, Smart Machine, and Artificial Intelligent, Computer Integrated Manufacturing, LEAN and tours to local manufacturing industries. Prerequisite: Math 1330 or 1550

TECH 2100 CO-OP SEMINAR (1)

Job orientation, career counseling and placement orientation are the key focus of this Course. The course emphasizes the importance of being able to express what has been learned in all courses and selling it to a potential employer.

TECH 2308 STRENGTH OF MATERIALS (3)

Application of the principles of statics and dynamics to problems including force analysis, centroids and moments of inertia, behavior of materials subject to tension, compression, shear and bending, and interpretation of related test data. Prerequisites: MATH 1330, 1340 or 1550.

TECH 2309 ROBOTICS (3)

Introductory course in Industrial robotics and their applications in the manufacturing environment. Emphasis placed on robotic terminology, concepts and programming. This course is required of all ITMAE majors. Application of the principles of robotics to solve problems with programming, placing and hostile environments. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: MATH 1330 and MATH 1340 or MATH 1550, TECH 1360

TECH 2315 SITE PLANNING & LAYOUT (3)

To study the use of range and direction, coordinates, elevations, record systems, boundary survey, leveling, property descriptions, traverses, and maps to determine sites selection. Determine how infrastructure, soil conditions, climate, drain and environmental conditions impact cost. A project integrating all knowledge gained is required of each student.

Minimum requirements for projects include a written report, oral presentation, and a power point presentation. Prerequisites: MATH 1330 and 1340/1550 and TECH 1320

TECH 2321 CODES, SPECIFICATIONS AND LAW (3)

Complete coverage of one nationally recognized code system, plus cross referencing with the others. Introduction to legal problems in construction through the study of business law with focus on the laws related to construction business accounting, progress payments, OSHA regulations, licensing requirements. The utilization of actual plans and specifications of existing projects enables students to increase their knowledge of real world experiences. Prerequisites: TECH 1320.

TECH 2322 HEAVY EQUIPMENT MATERIALS HANDLING (3)

Heavy Equipment is an intermediate level Construction Management course devoted to educating the future construction manager about the different types of large construction equipment, their selection, operation, and management. A majority of class time is devoted to mathematical calculations related to the operation and use of heavy construction equipment. Prerequisites: TECH 1320, MATH 1340/1550.

TECH 2331 INDUSTRIAL ELECTRONICS (3)

This course is designed to investigate the use of electronics in industrial settings and examine the various principles of electronic control of industrial processes. This course will follow an industrial process model as found in modern industry. The focus will be placed on underlying concepts and principles, rather than circuit design. This course also provides an introduction into how electronics are implemented in various aspects throughout industry. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: TECH 1332.

TECH 2332 ELECTRONIC ASSEMBLY TECHNOLOGY (3)

A study of methods used in the development and construction of electronic circuits. Covered areas include techniques of component layout, chemical processes for etching and finishing, printed circuit board development including the use of photosensitive emulsions. Prerequisites: TECH 1332 and 2304.

TECH 2333 ELECTRONIC DEVICES (3)

A coverage of semi-conductor devices with emphasis on the flow and control of current at the P-N junction. Devices to be studied include diodes, transistors (BJT, UJT, and FET), and npn switches. Introduction to Integrated Circuit

Technology. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: TECH 1332.

TECH 2334 ELECTRONIC ANALYSIS AND DESIGN (3)

A second course in electronic devices with emphasis on the mathematical modeling of electronic devices and the techniques used in the analysis and design of electronic circuits. Study of small and large signal amplifier models, the hybrid-pi model, frequency response and multi-stage circuits. Prerequisites: TECH 1332, 2333.

TECH 2335 CIRCUIT ANALYSIS I (3)

Basic circuit concepts, definitions and analysis of resistive circuits with DC sources. Coverage of circuit theorems and the methods used in the analysis of circuits with two or more voltage or current sources. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: TECH 1332.

TECH 2355 EXPLORING TECHNOLOGY MANUFACTURING (3)

Explores major concepts related to the manufacturing industry. Emphasis on student activities, demonstrating communications, industry concepts and presenting exemplary educational delivery systems. Prerequisites: Sophomore status in major with approval from advisor and departmental head.

TECH 2361 MANUFACTURING PROCESS AND MATERIALS (3)

This course covers characters of materials and their adaptability to various manufacturing processes and includes lectures on Manufacturing Technology and laboratory practices.

Prerequisites: TECH 1360; MATH 1330/1550, 1340

TECH 2367 MANUFACTURING PROCESS ASSEMBLY (3)

This course covers the characteristics of manufacturing materials and their adaptability to various joining processes, including lectures on welding technology and laboratory practices. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: TECH 1302, 1360, MATH 1330/1550, 1340

TECH 2600, 2601 CO-OP INTERNSHIP (6)

Cooperative Education (Parallel) provides for students to work part-time and attend classes on campus. Designed to provide part-time meaningful work experience to enhance the students' educational programs and allow "hands-on" job training directly related to their majors.

TECH 3302 ADVANCED DESIGN (3)

Advanced design systems incorporating 2D and 3D design and productivity tools for use in manufacturing settings. Topics

include: Geometric Tolerancing, 3D models, planar and coordinate systems, solid modeling, feature based design, assemblies, Inventor, Rivet or AutoCAD software.

TECH 3306 INVENTORY MANAGEMENT (3)

Deals primarily with inventory classifications, inventory control, optimum inventory with appropriate software package and future trends in inventory management with appropriate software package.

TECH 3307 INVENTORY & SUPPLY CHAIN MANAGEMENT (3)

Deals primarily with inventory classifications, inventory control, optimum inventory with appropriate software package and future trends in inventory management with appropriate software package.

TECH 3310 PRINCIPLES OF ERGONOMICS / MOTION AND TIME STUDY (3)

A study of scientific and engineering design applications in the work environment. Use of the six ergonomic design criteria will be stressed. A student research project involving analysis and evaluation of a person's work interface situation. Using the ergonomic design criteria is required with appropriate software packages.

TECH 3317 STRUCTURAL DESIGN (3)

Instruction in basic principles and procedures used in construction of structures. Features, structures such as bridges, highways and steel structures. Prerequisites: PHYS 2410, TECH 1320, TECH 2308.

TECH 3319 ENERGY CONVERSION (3)

Design, installation, and management of electrical energy as it relates to structures. Wiring of circuits, systems, power drop calculations, relays and their usage, servo motors, etc. Prerequisites: TECH 1320, 1332, PHYS 2410.

TECH 3337 DIGITAL ELECTRONICS (3)

A study of digital logic design techniques, including Boolean Algebra and truth tables, used in the design of combinational circuits; state transition techniques for the analysis and design of sequential logic circuits. An introduction to the principles of digital computer organization. Lecture: 2 hours per week. Laboratory: 2 hours per week.

TECH 3338 CIRCUIT ANALYSIS II (3)

Provides a coverage of time-varying waveforms, reactive components and the analysis of resistive reactive circuits with time-varying sources. Study of the mathematical techniques of complex numbers

used in the analysis of reactive circuits; Fourier analysis of signals. Prerequisites: TECH 1332, 2335.

TECH 3363 PLANT LAYOUT AND FACILITIES PLANNING (3)

The fundamental theories, practices, and method for design of manufacturing facilities; covers material handling equipment and services. Prerequisites: TECH 1360, 2367.

TECH 3365 MANUFACTURING PROCESSES AND PLANNING (3)

The principles and concepts that are essential when considering material flows, management problems, decision making techniques, and supporting data base on the manufacturing industry. Prerequisites: 9 hours of manufacturing courses.

TECH 3339 COMPUTER SERVICE AND REPAIR (3)

This course emphasizes the study of computer components, computer construction and repair. The emphasis of this course will be on basic work safety, computer fundamentals, disassembling and reassembling a typical personal computer identifying the major computer components, preventive maintenance procedures, troubleshooting techniques, and upgrading software and hardware. Lecture 2 hours per week. Laboratory 2 hours per week.

TECH 3399 ALTERNATIVE ENERGY (3)

This course will cover Photovoltaic concepts both in theory and hands on skills; then it will be continued with Solar Technology, Wind Technology, and Energy Auditing Technology. Students will also learn the effect of light intensity and heat on solar cell performance; measure and calculate current, voltage and power for single, and multiple solar panel combinations; calculate wind generated power and calculations for energy audits.

TECH 4300 INTERNSHIP (3)

A structured, approved, and supervised field experience with a company in which the internee is to practice various aspects of the Industrial Technology Management & Applied Engineering for the entire semester. Prerequisites: Consent of the Instructor and approval of Chair.

TECH 4302 CAPSTONE DESIGN (3)

This is a senior level course consisting of a hands-on and mind-on lab activity applying technology and design principles. Students will be required to demonstrate a complete design project from conception, to model, to final assembly. The principles associated with the technology curriculum will be used to complete the final project. Knowledge in the areas of design, electronics, construction and manufacturing will be beneficial in the completion of the project.

TECH 4307 QUALITY CONTROL (3)

The problems associated with improving design, specifications and control of product quality. Topics will include formulas, calculations, analyzing data and problem solving activities. Utilization of appropriate software to solve problems will be applied throughout the course. The course requires an oral and written report on Quality Improvement topics. Prerequisites: MATH 2370.

TECH 4310 LOGISTICS (3)

This is a senior level course which will provide Technology majors with an overall understanding of the management of the flow of goods and information from a point of origin to a point of consumption. This course provides Technology majors with an enhanced view in the area of supply chain and inventory management flow process, which is more aligned with current production management operations. This course fills the void created by current courses in inventory and production by integrating these two systems for maximum productivity.

TECH 4318 MECHANICAL AND ELECTRICAL EQUIPMENT (3)

Investigation of the theories and machines and equipment that govern the proper use and installation of HVAC systems for structures. Prerequisites: TECH 1332, 1320, 3319.

TECH 4320 ESTIMATING AND SCHEDULING/ PROJECT MANAGEMENT (3)

The course is taught from a project manager point of view. The course covers project design, quantity take-off, calculating unit cost, break-even point, returns on investment, depreciation, scrap, critical path scheduling, Gantt charts, direct cost, indirect cost, fixed cost, variable cost and utilizing Excel to perform all calculations. The course is project oriented and all technology courses that a student has completed are to be integrated in to the projects. Students are assigned an individual project as well as assigned to a team project. The student will develop the project from its conception, design, scheduling, product design, through completion, following all specifications and codes. The project ends with an oral, written and power point presentation.

TECH 4338 MICROPROCESSORS AND APPLICATIONS (3)

Logical organization of single-chip microprocessors, their interfacing and applications in industrial control and instrumentation. Coverage of the assembly language used in programming microprocessors. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: TECH 3337.

TECH 4339 PRINCIPLES OF ELECTRONIC COMMUNICATIONS (3)

Analysis and transmission of signals, principles of modulation and demodulation. Study of communication systems with emphasis on the circuitry of transmitters and receivers. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: TECH 3338.

TECH 4340 DIGITAL COMMUNICATIONS (3)

Covers the sampling process, digital modulation techniques, error control coding, detection and estimation; survey of the applications of spread spectrum systems, satellite and computer communications. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: TECH 3337, 4338.

TECH 4341 COMPUTER HARDWARE DESIGN (3)

Coverage of digital system design methods used in the analysis and design of processor units, control methods, input and output interface, memory organization. Study of the internal operations of microcomputers. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisites: TECH 3337.

**TECH 4342
SENIOR PROJECT (3)**

This is a senior level course which is taken in the student's graduating semester. The course provides a broad overview of the challenges associated with becoming an Industrial Technologist/Applied Engineer. Projects include career position searches, proposals, professional memberships, comprehensive exam preparation, product/project development presentation and other issues associated with industry. The course also provides a fundamental, yet comprehensive, coverage of the various tools, vocabulary and techniques utilized in solving various design, production, quality and employee problems associated with industry. A class project is required which demonstrates a working knowledge of the ITMAE curriculum in solving problems and developing competence with the utilization of Microsoft Office. Prerequisite: must be a graduating ITMAE seniors; however, special consideration is given upon recommendation from major advisor and department head for all others.

**TECH 4366
AUTOMATION/PRODUCTION/
SYSTEM (3)**

This is an upper level course in production, automation and related systems. It is designed to cover the fundamental concepts associated

with automation and production in contemporary industries, as well as, the analytical techniques and controls necessary for decision-making in production systems.

**TECH 4370 COMPUTER - AIDED
MANUFACTURING (3)**

Computer-Aided Manufacturing (CAM) is a concept which encompasses any use of the computer to enhance or aid in any manufacturing process. The two best known users of the computer to aid in manufacturing are Computer Numerical Control (CNC) and Robotics. TECH 3368, 3369.

**TECH 4372 FLUID POWER
SYSTEMS (3)**

The course introduces the students to fluid power systems. The advantages and disadvantages, applications and the types of fluid power control systems. Physical properties of hydraulic fluids: Liquids and gases, weight density, specific gravity, force, viscosity, pressure and Pascal's Law. Basic flow in hydraulic in pipeline: Laminar and Turbulent Flow, Reynolds Number and the losses in valves and fitting. Six laboratory assignments are given. The assignments involve hydraulic circuit design. The circuit design includes circuit for motors, pumps, cylinders, and several valves. A lab report is required for each laboratory assignment as well as an oral presentation.

TECH 4V60 INDUSTRIAL INTERNSHIP (1-6)

Upon completion of the residence requirements for the degree in industrial technology, the student is assigned to a major industry for a semester to study the managerial functions, organizational theories and practices, product design production techniques, routing, quality control, work schedules, industrial relations and related industrial activities of modern American industry.

TECH 3600, 3601 COOP INTERNSHIP (6)

A cooperative education internship experience working with industry techniques and special problems involving new techniques in Industrial Technology. Each level is available as needed.

TECH 2309 ROBOTICS (3)

This course introduces students to robotics technology and its applications for industries, businesses and domestics. The course deals with introductory and fundamental principles, safety, justification, programming concepts, and projects using applied engineering design process. Theory and industrial applications explore the general and technical aspects of industrial robots, providing a comprehensive overview of

robotic systems and its subsystems. Robotics is a very comprehensive, applications-oriented field of study, and involves different technical areas, such as electrical principles, electronic devices, digital principles, electromechanical fundamentals, basic programming techniques, hydraulics, pneumatics, and basic manufacturing processes. The course includes laboratory, designing, building and programing activities.

Prerequisites: MATH 1330, MATH 1340 OR MATH 1550, and TECH 1360.

TECH 2367 MANUFACTURING PROCESS ASSEMBLY (3)

This course deals with advanced manufacturing planning, processing and assembling of products with casting, forming, shaping, machining, finishing and joining methods. Students gain experiences in designing, process planning, decision making, costs analysis, tooling, measurement, programming and economic factors involved in production of parts and products. Students apply principles, concepts of tooling and technology learned to design, analyze, process and make products using a CNC lathe and 3-D Printer.

Prerequisites: TECH 1302, 1360, MATH 1330/1550, 1340 and TECH 1360.

TECH 3307 INVENTORY & SUPPLY CHAIN MANAGEMENT (3)

This course is designed to provide students with conceptual understanding of supply chain and materials management dealing with building a strategic framework, designing the chain, transportation networks, planning and coordinating demand and supply, manufacturing, managing inventories, and cross-functional drivers in a supply chain management system. Interactions in the course involve case study analysis, use of appropriate software, presentations, and calculations of profit, sales, costs, savings, work-in-process, production plans, master schedule, material requirements, capacity, break-even, forecasting, ordering, storage, transit time, throughput, cost equalization point and order quantities. Prerequisites: MATH 1330, MATH 1340 OR MATH 1550, and TECH 1360 and TECH 3310.

TECH 4366 AUTOMATION/PRODUCTION/ SYSTEM (3)

This course provides students with knowledge of automation and control technologies in Production Systems using Programmable Logic Controller. The course covers categories of production systems, integration, functions, and applications used in manufacturing industries. It is an

advanced level manufacturing course where students with previous manufacturing experiences will learn about programmable logic controller (PLC), its process integration, networking and troubleshooting. Students will understand why and how manufacturing systems and operations are planned, automated and organized in the most efficient way to increase productivity. Students will then develop and program a full automated production operation of choice using Automation Studio, and LogixPro simulation software. Prerequisites: TECH 1360, TECH 2367, TECH 1332, TECH 3337, and TECH 3310.

TECH 4370 COMPUTER - AIDED MANUFACTURING (3)

This course is an advanced manufacturing course that provides students with skills in Computer Aided Design and Computer Aided Manufacturing using BobCAD-CAM software, CNC Mill machining and 3-D printing. Students gain knowledge and skills in using integrated BobCAD-CAM software to design, simulate and produce different geometric shapes, parts and products. Students then use generated codes from the software for machining parts on a CNC mill, and /or printing prototypes on a 3-D printer. Prerequisites: TECH 1360, TECH 2367, TECH 3310 and TECH 4366.

**Curriculum for Bachelor of Science in
Industrial Technology Management & Applied Engineering**

FALL SEMESTER**SPRING SEMESTER****FRESHMAN YEAR**

English Composition I	1311	3	English Composition II	1321	3
Engineering Graphics	1302	3	Intro. to Manufacturing Process.	1360	3
Pre-Calculus	1550	5	Personal Health & Safety	1310	3
			Career Life Planning	1120	1
Industrial Safety Management	1201	2	Coop Seminar	2100	1
Personal & Social Development	1210	2	Physical Education	111x	1
			Electronics Fundamentals	1332	3
Total Credits	<u>15</u>		Total Credits	<u>15</u>	

SOPHOMORE YEAR

Literature	2300/2360	3	Computer Networking (LAN)	2344	3
Biological Science	1450	4	U.S. History or American Government	2318/2310	3
Intro. to Business Programming	2363	3	Robotics	2309	3
Electronic Devices	2333	3	Introduction to Statistics	2370	3
Humanities or Art Appreciation	2301/2330	3	Oral Communications	2390	3
Total Credits	<u>16</u>		Total Credits	<u>15</u>	

JUNIOR YEAR

Physical Science or Chemistry	1411/1430	4	Principles of Management	3300	3
Motion/Time Study & Ergonomics	3310	3	Supply Chain & Inventory Management	3307	3
Music or Art Appreciation	2330/2340	3	Restricted ITMAE Technical Elective		3
Economics I	2310	3	Economics II	2320	3
Digital Electronics	3337	3	Technical Writing	3350	3
Total Credits	<u>16</u>		Total Credits	<u>15</u>	

SENIOR YEAR

Restricted ITMAE Technical Elective		3	Automation and Production/ CIM	4366	3
Quality Control	4307	3	Project Management/ Estimating Sched.	4320	3
Hum. Res. or Prod. Oper. Management	3318 or 4315	3	Fluid Power Systems	4372	3
Chemistry or Physics I/II	1430/2410/20	4	Sr. Project	4342	3
Restricted ITMAE Technical Elective		3			
Total Credits	<u>16</u>		Total Credits	<u>12</u>	

Department of Nursing

Registered Nursing

Diann Williams, MSN, RN, CNE
Chairperson

Instructors

Carolyn Hood, MSN, RN
 Shawna Hughey, DNP, MSN, RN
 Shaun A Young, MSN Ed,
 AGNP-C, APRN

UAPB offers two (2) program tracks leading to the **B.S. in Nursing (Non-Teaching)**

RN-to-BSN Program Track (Non-Teaching)

The Department of Nursing offers registered nurses with an associate degree or diploma the opportunity to earn the bachelor's degree in nursing (BSN). The program is approved by the Arkansas Department of Higher Education (ADHE). Nursing courses in the program are web-based or hybrid to offer flexibility of scheduling for RN's who are employed full-time in the profession.

NOTE: The Department of Nursing reserves the right to make changes in individual courses and in the curriculum after receiving

approval from the Arkansas Department of Higher Education.

Students applying for admission to the RN to BSN program track must meet basic functional ability and skill requirements for professional nurses. Functional abilities are those physical and mental activities and attributes needed by a nurse to practice essential functions safely, with or without accommodations. The following admission requirements must be met:

- Gain admission to the University;
- Declare nursing as an intended major;
- File an application with the Department of Nursing no later than March 15 for admission to the class beginning the following summer term;
- Possess a current unencumbered RN License. **Exception:** Recent graduates of associate degree or diploma nursing programs may apply if they possess a Temporary Permit and evidence of a date for NCLEX-RN. Applicants possessing Temporary Permits are accepted as "Conditional" and will not be allowed to

progress if unsuccessful on the NCLEX-RN first write. A license from a compact state with privilege to practice through a compact agreement with the state of Arkansas is also accepted;

- Students admitted to the RN-to-BSN program must have a cumulative GPA of 2.5 or better on a 4.0 scale and a grade of 'C' or better in all Department of Nursing required general education and previous nursing courses. Admission GPA is calculated using only general education courses and previous nursing courses excluding elective hours. *See 8 semester (Curriculum) plan;
- Students must successfully complete Major requirement courses with a grade of 'C' or better.
- **TOEFL Requirements**
 - A. If applicant was not born in the U.S. or in a country where English is the official language, an official TOEFL score of 550 or above on the paper-based exam, or 213 or above on the computer-based exam, or an official TOEFL score of 550 or above on the paper-based exam, or 213 or above on the computer-based exam, or a minimum score of 20 in each section of the iBT, is required. The test must have been taken within the last two (2) calendar years of admission. Official TOEFL exam score report reflecting successful completion must be received no later than one (1) month after the application deadline date. Only TOEFL test scores received directly from ETS will be accepted. Testing information is available at: www.ets.com;
 - B. If applicant was not born in the U.S. or in a country where English is the official language, but the applicant's entire educational experience has been in the United States, the TOEFL is not needed. The applicant must submit

records/transcripts from the time he or she was in the seventh grade through high school and college. If the applicant cannot provide this documentation, he or she may appeal to the Department of Nursing Admission Committee, then to the Chairperson of the Department of Nursing, and finally to the Dean of the School of Arts and Sciences; and

- C. If an applicant is an International student and is basing admission eligibility on credits from an international accredited college or university, he/she must follow the admission procedures for the university, which are found in the UAPB Catalog and on the UAPB home page.

Provide official transcripts (in sealed envelopes) of all course work from all institutions attended with the completed application and forward the entire packet to the Department of

Nursing, Admissions Committee for review. An accompanying catalog for the years covered by the transcript may be requested before evaluation can take place.

- Upon Admission to the program students must present evidence of the following clinical requirements:
 - TB Skin Test
 - Hepatitis Series
 - Current CPR Certification
 - *Criminal Background Check (CBC)
 - Urine Drug Screens

The cost of these screenings is at the expense of the individual student. State law requires that students applying for acceptance into a medical education program submit to State and Federal *CBC's prior to admission.

The Department uses CertifiedBackground for student admission CBC's. Students must log on to this site, set up an account and request the CBC. Results are posted on the CertifiedBackground portal in a secure tamper-proof location. This allows only the student and the Nursing Department administrators to view the results.

The urine drug screen is coordinated by the Department. Students will receive instructions on obtaining drug screens during the first class session.

The RN to BSN program track is approved by the Arkansas Department of Higher Education. The BSN degree program at UAPB is pursuing initial accreditation by the Commission on Collegiate Nursing Education, (CCNE) One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791. Applying for accreditation does not guarantee that accreditation will be granted.

NOTE: The sequence of courses as presented in the curriculum outline is recommended by the faculty. All required general education courses MUST be completed with a grade of "C" or above. Before deviating from the general education sequence, consult your nursing advisor. Nursing courses MUST be taken in sequence. Failure to take nursing courses as prescribed will result in denial of progression. The BSN degree will not be awarded until satisfactory completion of all general education and nursing courses.

****Articulation Requirements:**

According to the Arkansas *Nursing Education Progression Model, the RN student articulates through successful completion of the following courses: Introduction to Nursing, Fundamentals of Nursing, Medical Surgical Nursing Care I, Medical Surgical Nursing Care II, Medical Surgical Nursing Care III, Psychiatric/Mental Health, Childbearing Family, and Nursing Care of Children. The RN must complete 31 hours in the major prior to graduation. No competency testing or work experience required if < 12 months after graduation. No competency testing required if work experience (at least 1000 hours) is documented for the past 24 months. Competency testing may be required if > 24 months since graduation or if it is determined by faculty to be needed to demonstrate continuing competence in the profession.

Technology Requirements:

Students are expected to possess a computer and internet access. Students may access computers and the internet in the Nursing Department Computer Lab and Library during open hours.

Major Requirements

Liberal Arts and Sciences Courses

BAS 1210 Personal & Social Development
 ENGL1311 English
 ENGL1321 English
 MCOM 2390 Oral Communication
 MATH1330 College Algebra
 BIOL 2451 Anatomy & Physiology
 BIOL 2452 Anatomy & Physiology
 SOCI 2310 Intro to Sociology
 PSYC 2300 General Psychology
 PSYC 2302 Developmental Psychology
 CHEM 1430 General Chemistry
 HUSC 2321 Nutrition
 HUMN 2301 Humanities
 BIOL 3470 General Microbiology
 HLPE 1110-1125 Physical Education
 ENGL 2300/2360/2361 Literature Elective
 HIST 2315/2318U.S. History OR
 PSCI 2312 American Government
 MUSI 2330 Music Appreciation OR
 ART 2340 Art Appreciation
 MATH 2370 Statistics

Nursing Courses

MATH 2370 Statistics
 NURN 3313 Nursing Transition
 NURN 3314 Health Promotion & Assessment & for RN Practice
 NURN 3315 Informatics for Registered Nurses
 NURN 3316 Nursing Concepts I: Community
 NURN 3317 Research Methodology
 NURN 44316 Health Care Economics
 NURN 4317 Nursing Concepts II: Leadership & Management

NURN 4214 Professional Practice II: Leadership & Management
 NURN 4318 Nursing Concepts III: Ethics & Theory Integration
 NURN 4319 Professional Practice III: Role Integration

In order to graduate, the student must pass the courses listed above with a grade of "C".

Grading Scale for all Nursing Courses

A—100-90
 B— 89-80
 C—79-75
 D—74-60
 F—59 or below

Nursing Course Descriptions

NURN 3313 NURSING TRANSITION

This course builds on the RN's education and experience and allows students to identify, reflect, and examine skills needed to enhance professional nursing practice. Current trends, political, and ethical issues in practice are explored. The course also introduces students to standards and concepts of professional practice based on the Essentials of Baccalaureate Education for Professional Nursing Practice. Prerequisites: Admission to the RN-to-BSN program. Co-requisite: NURN 3314.

NURN 3314 HEALTH PROMOTION AND ASSESSMENT FOR RN NURSING PRACTICE

This course builds on the registered nurses clinical experience and assessment skills. The nurse expands knowledge of physical assessment, abnormal findings, and application of principles of evidence based practice in promoting health and performing health assessment for clients across the lifespan. Prerequisite: Admission to the RN-to-BSN program. Co-requisite: NURN 3313

NURN 3315 INFORMATICS FOR REGISTERED NURSES

This course advances the RN's skill in the use of information technology in health care environments. The course explores IT methods being used by health care professionals and future trends. Prerequisites: NURN 3313, NURN 3314. Co-requisites: NURN 3316, NURN 3209, NURN 3317

NURN 3316 NURSING CONCEPTS I: COMMUNITY

This course focuses on the analysis of nursing roles and their relationship to providing community health nursing. Application of knowledge from professional nursing and public health science is applied to promoting and preserving the health of diverse individuals,

groups, communities and populations across the lifespan. Prerequisites: NURN 3313, NURN 3314. Co-requisites: NURN 3315, NURN 3209, NURN 3317

NURN 3209 PROFESSIONAL PRACTICE I: COMMUNITY

This course emphasizes the application of nursing process and community health concepts. Students engage in hands on and project based practicum experiences focused on promotion and restoration of health within diverse populations across the lifespan for individuals, groups, and communities. Prerequisites: NURN 3313, NURN 3314. Co-requisites: NURN 3315, NURN 3316, NURN 3317

NURN 3317 RESEARCH METHODOLOGY

This course is designed for registered nurses. The focus is on the process of scientific inquiry, practical, and ethical issues involved in conducting research. Course activities emphasize understanding research methodology, statistical methods, and evaluating scientific integrity of nursing literature. Prerequisites: NURN 3313, NURN 3314. Co-requisites: NURN 3315, NURN 3316, NURN 3209

NURN 4316 HEALTHCARE ECONOMICS

This course is designed for registered nurses. The focus is on the process of economic analysis of health care. This course teaches RN's the basic principles of economics and how to use those principles when addressing health care policy issues; Medical care costs; physician and hospital behavior; cost containment; production of health; demand for health care and insurance; health services personnel; review and evaluation of public programs. Prerequisites: NURN 3315, NURN 3316, NURN 3209, NURN 3317. Co-requisites: NURN 4317, NURN 4214

NURN 4317 NURSING CONCEPTS II: LEADERSHIP AND MANAGEMENT

This course integrates leadership and management theories and concepts with the role of the professional nurse. Organizational structure and health care economic policies are used to explore health care delivery, access, quality improvement and strategies for monitoring and evaluating the effectiveness of health care delivery systems. Prerequisites: NURN 3315, NURN 3316, NURN 3209. Co-requisites: NURN 4316, NURN 4214

NURN 4214 PROFESSIONAL PRACTICE II: LEADERSHIP AND MANAGEMENT

This course is the practice component to NURN 4317 and requires 90 hours of practical and/or project based practicum experiences in exploration of the role of the clinical nurse manager. RN students apply current practice skills to expand knowledge of the role of the nurse as leader and manager in health care environments. Prerequisites: NURN 3315, NURN 3316, NURN 3209, NURN 3317. Co-requisites: NURN 4316, NURN 4317.

NURN 4318 NURSING CONCEPTS III: ETHICS & THEORY INTEGRATION

This course assists the RN student with total integration of baccalaureate nursing education concepts and theories with present practice roles. Ethical and other issues affecting the practice of nursing in the 21st Century are discussed. The RN student explores new practice roles in the practicum component of this class NURN 4215. Lecture: 3 hours per week. Credit: 3 semester hours. Prerequisites: NURN 4316, NURN 4317, NURN 4214. Co-requisite: NURN 4319

NURN 4319 PROFESSIONAL PRACTICE III: ETHICS & ROLE INTEGRATION

This course is the practicum component to NURN 4318 and provides the RN student with opportunity to synthesize and apply their expanded knowledge gained within the BSN curriculum. This course requires RN students to develop a portfolio demonstrating how previous theory and practical/project based curricular activities allowed for meeting the program objectives. Course practicum activities will incorporate different settings that affect health care delivery such as the legislature and nursing organizations. These will result in development of new ways of solving healthcare problems through application of knowledge and concepts learned throughout the program. This course must be completed successfully to pass NURN 4318. If either the theory component or the practicum component results in a failing grade, the student will fail both components of Nursing Concepts: Theory Integration and Professional Practice III: Role Integration. Both components will have to be repeated concurrently. Credit: 3 semester hours. Practicum: 9 hours per week. Prerequisites: NURN 4316, NURN 4317, NURN 4214. Co-requisite: NURN 4318

Both Registered Nursing Program Tracks incorporate The Essentials of Baccalaureate Education in Nursing for Professional Nursing Practice (AACN, 2008) as the foundation for the baccalaureate curricula. These Essentials promote the development of clinical judgment based on critical thinking, ethical decision-making, leadership development, and the delivery of high quality healthcare.

The Department of Nursing assures equal opportunities to all qualified persons. For more information, contact the Department of Nursing at (870) 575-8220/8222.

Program Objectives

The terminal objectives of the Department of Nursing BSN Program are to impart in students the ability to:

- Synthesize knowledge from nursing science, the liberal arts, and sciences as a basis for delivering safe and culturally sensitive care to individuals, families, communities, and populations (AACN Essential I);
- Demonstrate the ability to use leadership skills and knowledge of quality improvement to deliver high quality healthcare (AACN Essential II);

- Use evidence-based practice findings to collaborate with colleagues in nursing, other healthcare disciplines, and clients to improve client outcomes (AACN Essential III);
- Integrate knowledge of information technology and client care technology to deliver appropriate and high quality care in one's own professional practice. (AACN Essential IV);
- Use knowledge of healthcare policy, healthcare financing, and regulatory agencies to implement change when needed to improve healthcare delivery to clients in diverse settings (AACCN Essential V);
- Integrate therapeutic and collegial communication and collaboration skills to design, manage, and coordinate the implementation of quality healthcare improvement (AACN Essential VI);
- Integrate knowledge of health promotion and disease prevention to improve client population health outcomes (AACN Essential VII);
- Integrate personal beliefs and professional values of altruism, autonomy, human dignity, and social justice into one's own professional practice (AACN Essential VIII); and
- Use clinical judgment based on critical thinking and clinical reasoning in the development, implementation, and evaluation of nursing interventions and health outcomes (AACN Essential IX).

Readmission Procedures

Students who have experienced and interruption in progress within the BSN program may request readmission through the following:

- Submit a letter requesting readmission and complete the Admission Application;
- Provide the department with copies of official transcripts from all colleges and universities attended and assure official copies are also forwarded to the Registrar's Office; and
- Any student readmitted into the nursing program will be re-admitted under the current curriculum, effective at the time of the request to return.

The student is responsible for submitting all forms and transcripts to the Department of Nursing before March 15. An evaluation and decision will be made by the appropriate committee within the department.

Readmission may be denied if:

- CGPA (cumulative grade point average) is below 2.5;
- The student has received a final grade lower than “C” twice in the same nursing course;
- Available slots in the class have been filled by students who are admitted for the first time with no deficits;
- All required general education and prerequisite nursing courses are not successfully completed;
- The student has unsuccessfully completed the readmission process two (2) times; and
- Students approved for readmission twice (2 times) for the same course and do not successfully complete the course will be denied readmission on the third request.

Progression, Retention, Probation, Dismissal and Graduation

- When the cumulative semester grade point average falls below 2.5, the student is placed on probation. In order to remain in the program, the student must raise his/her cumulative grade point average to at least a 2.5 by the end of the next semester of enrollment. Failure to do so will result in dismissal from the nursing program.
- Failure in two nursing courses will result in administrative dismissal from the nursing program.

“Complete policies regarding the BSN program are located in the current “Department of Nursing Student Handbook”

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE IN NURSING
RN-to-BSN Track**

FALL SEMESTER	SPRING SEMESTER					
FRESHMAN YEAR						
English Composition I	ENGL	1311	3	Speech	MCOM 2390	3
College Algebra	MATH	1330	3	English Composition II	ENGL 1321	3
Anatomy & Physiology I	BIOL	2451	4	Anatomy & Physiology II	BIOL 2452	4
Intro to Sociology	SOCI	2310	3	General Psychology	PSYC 2300	3
Personal and Social Dev.	SOCI	1210	2	Humanities	HUMN 2301	3
			15			16
SOPHOMORE YEAR						
General Microbiology	BIOL	3470	4	US History OR	HIST 2315/18	3
Developmental Psychology	PSYC	2302	3	American Government	PSCI 2312	
Intro. to Statistics	MATH	2370	3	Art Appreciation OR	ART 2340	3
P.E. (Active) 1110-1125	HLPE		1	Music Appreciation	MUSI 2330	
General Chemistry I	CHEM	1430	4	World Literature I or higher	ENGL 2300	3
				Elementary Nutrition	HUSC 2321	3
			15			15
JUNIOR YEAR						
Informatics in Nursing	NURS	3312	3	Professional Dev. II: Roles and Ethics	NURS 3204	2
Professional Dev. I: Introduction to Prof. Nsq.	NURS	3201	2	Nursing Care of Older Adults Theory	NURS 4311	3
Health Assessment	NURS	3301	3	Nursing Care of Older Adults Practicum	NURS	2
CAAP Exam						
			8			7
SENIOR YEAR						
Professional Dev. III: Leadership and Management Theory	NURS	4301	3	Nursing Care of Communities and Populations Theory	NURS 4306	3
Professional Dev. III: Leadership and Management Practicum	NURS	4202	2	Nursing Care of Communities and Populations Practicum	NURS 4209	2
Evidence-Based Practice & Nursing Research	NURS	4310	3	Professional Dev. IV: Role Integration Theory	NURS 4312	3
				Professional Dev. IV: Role Integration Practicum	NURS 4212	2
			8			10

Nursing *Pre-licensure (Generic) Program Track

UAPB offers two (2) program tracks leading to the **B.S. in Nursing (Non- Teaching)**

The Generic program is open to students who have completed the prescribed core of basic science and liberal arts courses required to establish the foundational knowledge for upper division nursing courses. *See the 8 semester (Curriculum) plan. Students applying for admission to upper division must meet basic functional ability and skill requirements for professional nurses. Functional abilities are those physical and mental activities and attributes needed by a nurse to practice essential functions safely, with or without accommodations. Students must also meet the following admission requirements:

- Gain admission to the University;
- Declare nursing as an intended major;
- File an application with the Department of Nursing no later than March 15 for the fall semester of the year in which the student plans to seek admission;

- Must have completed program prerequisite courses and maintained a cumulative GPA of 2.5 or better on a 4.0 scale and a grade of 'C' or better in all prerequisite courses. Admission GPA is calculated using only general education prerequisite courses. Elective course hours are excluded from calculation of the GPA;
- Successfully complete the required Departmental Admission Exam(s). (The Department reserves the right to determine the vendor for the Admission Exam); and
- Submit official copies of transcripts from all schools attended.

Obtain an ACT of 19 or above or comparable Compass test scores. Evidence of successful completion of required remedial courses may be accepted.

• TOEFL Requirements

- A. If applicant was not born in the U.S. or in a country where English is the official language, an official TOEFL score of 550 or above on the

paper-based exam, or 213 or above on the computer-based exam, or a minimum score of 20 in each section of the iBT, is required. The test must have been taken within the last two (2) calendar years of admission. Official TOEFL exam score report reflecting successful completion must be received no later than one (1) month after the application deadline date. Only TOEFL test scores received directly from ETS will be accepted. Testing information is available at: www.ets.org.

- B.** If applicant was not born in the U.S. or in a country where English is the official language, but the applicant's entire educational experience has been in the United States, the TOEFL is not needed. The applicant must submit

records/transcripts from the time he or she was in the seventh grade through high school and college. If the applicant cannot provide this documentation, he or she may appeal to the Department of Nursing Admission Committee, then to the Chairperson of the Department of Nursing, and finally to the Dean of the School of Arts and Sciences.

- Transfer for International Institution
 - A. If applicant is an International student and is basing admission eligibility on credits from an international accredited college or university, he/she must follow the admission procedures for the University which are found in the UAPB Catalog and on the UAPB home page.

Upon Admission to the program students must present evidence of clinical requirements:

- TB Skin Test
- Hepatitis Series
- Current CPR Certification
- *Criminal Background checks (CBC)
- Urine Drug Screens

The cost of these screenings is at the expense of the individual student. State law requires that students applying for acceptance into a medical education program submit to State and Federal *CBC's prior to admission. The admission CBC is in addition to the Arkansas State Board of Nursing (ASBN) CBC that is required prior to sitting for the NCLEX-RN.

The Department uses [Certified Background](#) for student admission CBC's. Students must log on to this site, set up an account and request the CBC. Results are posted on the Certified Background portal in a secure tamper-proof location. This allows only the student and the Nursing Department administrators to view the results.

The urine drug screen is coordinated by the Department. Students will receive instructions on obtaining drug screens on the first day of class.

Students who have been convicted of **certain crimes may not be allowed to do clinical in certain clinical agencies and may be declared ineligible by the Arkansas State Board of Nursing to test for licensure (NCLEX-RN), despite successful completion of the program. Students who have a conviction must make this fact known at time of application. All applicants accepted into the nursing program are required to have background checks and will be required to pay all associated fees.

The Pre-Licensure (Generic) BSN program is approved by the Arkansas State Board of Nursing.

The BSN degree program at UAPB is pursuing initial accreditation by the Commission on Collegiate Nursing Education, (CCNE) One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791. Applying for accreditation does not guarantee that accreditation will be granted.

***CURRICULUM FOR BACHELOR OF SCIENCE DEGREE IN NURSING**
Pre-licensure (Generic) Program Track

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
College Algebra	MATH	1330	3	General Chemistry	CHEM 1430 4
*Anatomy & Physiology I	BIOL	2451	4	*Anatomy & Physiology II	BIOL 2452 4
Personal and Social Dev.	BAS	1210	2	Statistics	MATH 2370 3
Physical Education 110-1125	HLPE		1	General Psychology	PSYC 2300 3
Social Science OR	SOCI	1320			
Intro to Sociology	SOCI	2310	3		
			16		17
	SOPHOMORE YEAR				
Developmental Psychology	PSYC	2302	3	Art Appreciation OR	ART 2340 3
Oral Communication	MCOM	2390	3	Music Appreciation	MUSI 2330
Humanities	HUMN	2301	3	World Literature I or higher	ENGL 2300 3
US History 2315/2318 OR	HIST			Effective Thinking/Logic	HUMN 2340 3
American Government	PSCI	2312	3	*Microbiology	BIOL 3470 4
Elementary Nutrition	HUSC	2321	3		
			15		13
	JUNIOR YEAR				
Professional Dev. I: Nursing Essentials	NURS	3318	3	Professional Dev. II: Roles and Ethics	NURS 3204 2
Health Assessment	NURS	3301	3	Medical-Surgical Nursing Care I (Theory)	NURS 3307 3
Fundamentals of Nursing (Theory)	NURS	3309	3	Medical-Surgical Nursing Care I (Practicum)	NURS 3207 2
Fundamental of Nursing (Practicum)	NURS	3203	2	Care of the Childbearing Family (Theory)	NURS 3308 3
Pharmacology for Nursing Practice	NURS	3304	3	Care of the Childbearing Family (Practicum)	NURS 3208 2
Nursing Informatics	NURS	3312	3		
			17		12
	SUMMER				
Psychiatric-Mental Health Nursing Care (Theory)				NURS 4314	3
Psychiatric-Mental Health Nursing Care (Practicum)				NURS 4210	2
					5

SENIOR YEAR

Evidence-based Practice and Nursing Research	NURS	4310	3	Medical Surgical Nursing Care III (Theory)	NURS	4313	3
Nursing Care of Children (Theory)	NURS	4304	3	Medical Surgical Nursing Care III (Practicum)	NURS	4207	2
Nursing Care of Children (Practicum)	NURS	4203	2	Nursing Care of Communities and Populations (Theory)	NURS	4306	3
Medical-Surgical Nursing Care II (Theory)	NURS	4309	3	Nursing Care of Communities and Populations (Practicum)	NURS	4209	2
Medical-Surgical Nursing Care II (Practicum)	NURS	4205	2	Integration Seminar	NURS	4111	1
				Professional Development III: Leadership and Management (Theory)	NURS	4206	2
				Professional Development III: Leadership and Management (Practicum)	NURS	4202	2
			<u>13</u>				<u>15</u>
			Total Hours				<u>123</u>

*Course completed within past five (5) years

Major Requirements

Liberal Arts and Sciences Courses

BAS 1210 Personal & Social Development
 ENGL1311 English
 ENGL1321 English
 MCOM 2390 Oral Communication
 MATH1330 College Algebra
 BIOL 2451 Anatomy & Physiology
 BIOL 2452 Anatomy & Physiology
 SOCI 1320 Social Science
 OR
 SOCI 2310 Intro to Sociology
 PSYC 2300 General Psychology
 PSYC 2302 Developmental Psychology
 CHEM 1430 General Chemistry
 HUSC 2321 Nutrition
 HUMN 2301 Humanities
 HUMN 2340 Effective Thinking and Logic
 BIOL 3470 General Microbiology
 HLPE 1110-1125 Physical Education
 ENGL 2300/2360/2361 Literature Elective
 HIST 2315/2318 U.S. History OR
 PSCI 2312 American Government
 MUSI 2330 Music Appreciation OR
 ART 2340 Art Appreciation
 MATH 2370 Statistics

Nursing Courses

NURS 3318 Professional Development I: Nursing Essentials
 NURS 3309 Fundamentals of Nursing (Theory)
 NURS 3203 Fundamentals of Nursing (Practicum)
 NURS 3304 Pharmacology for Nursing Practice

NURS 3307 Medical-Surgical Nursing Care I (Theory)
 NURS 3207 Medical-Surgical Nursing Care I (Practicum)
 NURS 3308 Care of the Childbearing Family (Theory)
 NURS 3208 Care of the Childbearing Family (Practicum)
 NURS 3312 Nursing Informatics
 NURS 3301 Health Assessment
 NURS 3204 Professional Development II: Roles and Ethics
 NURS 4111 Integration Seminar
 NURS 4206 Professional Development III: Leadership and Management Theory
 NURS 4202 Professional Development III: Leadership and Management Practicum
 NURS 4310 Evidence-based Practice and Nursing Research
 NURS 4306 Nursing Care of Communities and Populations Theory
 NURS 4209 Nursing Care of Communities and Populations Practicum
 NURS 4314 Psychiatric-Mental Health Nursing Care (Theory)
 NURS 4210 Psychiatric-Mental Health Care (Practicum)
 NURS 4304 Nursing Care of Children (Theory)
 NURS 4203 Nursing Care of Children (Practicum)
 NURS 4309 Medical-Surgical Nursing Care II (Theory)
 NURS 4205 Medical-Surgical Nursing Care II (Practicum)
 NURS 4313 Medical-Surgical Nursing Care III (Theory)
 NURS 4207 Medical-Surgical Nursing Care III (Practicum)

In order to graduate, the student must pass the courses listed above with a grade of “C”.

Grading Scale for all Nursing Courses

- A—100-90
- B—89-80
- C—79-75
- D—74-60
- F—59 or below

Nursing Course Descriptions

NURS 3318 PROFESSIONAL DEVELOPMENT I: NURSING ESSENTIALS (2)

This course introduces students to foundational requisites for successful nursing practice. Concepts of medical terminology, application of math for medication and administration, and therapeutic communication skills are emphasized. Lecture: 3 hours per week. Prerequisite: Admission to Upper Division Nursing. Credits: 3 semester hours. Co-requisites: NURS 3301, NURS 3309, NURS 3203, NURS 3304, and NURS 3312.

NURS 3301 HEALTH ASSESSMENT (3)

This course is designed to prepare students to complete a physical and health assessment of infant, pediatric, adult, and geriatric clients. Students will acquire knowledge and skills in history taking and performing physical and health assessments to promote the critical analysis of normal and abnormal data. Emphasis is placed on utilization of accurate medical terminology and nursing documentation in the process of history taking and the nursing process. The student will learn to apply the basic skills of observation, inspection, palpitation, and auscultation in the head to toe assessment. Variation of culture in the health assessment procedure is also emphasized in providing caring, competent nursing interventions. This 3 hours course is made up of 2 credits of didactics and 1 credit hour of laboratory skills = 3 hours of laboratory time. Thus, for a 15 week semester, this course will be 2 hours theory = 30 clock hours and 1 hour credit lab = 45 clock hours. Credit: 3 semester hours. Prerequisite: Admission to Upper Division Nursing. Co-requisites: NURS 3318, NURS 3309, NURS 3203, NURS 3304, and NURS 3312.

NURS 3309 FUNDAMENTALS OF NURSING THEORY

This course introduces the history, concepts, and theories of contemporary professional nursing. The UAPB Nursing Department of Nursing Conceptual framework is introduced. The course emphasizes these tenants and their role in assisting beginning students to develop critical thinking and clinical reasoning skills. The nursing process and the principles of evidence based practice are introduced as a foundation basis for professional nursing practice. Lecture: 3 hours per week. Credit: 3 semester hours. Prerequisite: Admission to Upper Division Nursing. Co-requisites: NURS 3304, NURS 3318, NURS 3301, NURS 3203 and NURS 3312.

NURS 3203 FUNDAMENTALS OF NURSING PRACTICUM

This course is designed to introduce beginning nursing students to the concepts and psychomotor skills needed to provide nursing care to individuals in acute and chronic health delivery systems. The nursing process, drug math calculations, and psychomotor skills are integrated within the course content. This course is

the practicum component of NURS 3309 and must be taken concurrently. If either component of Fundamentals of Nursing results in a failure, a failing grade will be reported for both theory and practicum components. This is a 15 week, 2 semester credit hour course. Students complete 90 contact hours. Prerequisite: Admission to Upper Division Nursing. Co-requisites Courses: NURS 3309, NURS 3, NURS 3301, and NURS 3304, and NURS 3312.

NURS 3304 PHARMACOLOGY

This course focuses on establishing a knowledge base for pharmacotherapeutics and use of therapeutic drugs when caring for clients across the lifespan. Emphasis is placed on the nursing process, drug safety, legal, cultural and ethical aspects of pharmacology and client education. Students will understand rationales for drugs prescribed and intended therapeutic effects. 3 semester credit hours – 45 contact hours. Prerequisites: Admission to Upper Division Nursing. Co-requisites: NURS 3318, NURS 3301, NURS 3309, NURS 3203, and NURS 3312.

**NURS 3312 NURSING
INFORMATICS (3)**

This course explores the use of information technology in nursing practice and its role in enhancing client care. Issues related to privacy protection, confidentiality, security of information in health care environments, and the potential use of social networking tools in communication of health care information are discussed. Credit hours: 3 semester hours. Prerequisite: Admission to Upper Division Nursing. Co-requisites: NURS 3318, NURS 3301, NURS 3309, NURS 3203, and NURS 3304.

**NURS 3204 PROFESSIONAL
DEVELOPMENT II: ROLES AND
ETHICS (2)**

This course is designed to explore the three roles of the baccalaureate generalist and expanded practice roles in providing direct and indirect client care. Emphasis is placed on the foundational relevance of ethics to the practice of professional nursing in varying roles. This course helps students determine when they and others are experiencing moral and ethical conflicts, and helps them develop pathways of reflective thinking and communicating related to ethical

challenges in nursing practice. Students will explore the ANA Code of Ethics and begin incorporating its provisions as a compass for developing professional practice from health promotion to death with the assured preservation of dignity of clients. Credit: 2 semester credit hours. Prerequisite: Successful completion of NURS 3318, NURS 3301, NURS 3309, NURS 3203, NURS 3304, and NURS 3312. Co-requisites: NURS 3307, NURS 3308, NURS 3208 and NURS 3207.

**NURS 3307 MEDICAL-
SURGICAL NURSING CARE I
THEORY**

The course builds on skills covered in Fundamentals Theory and Practicum. This course emphasizes wellness, disease management and development of a safe and caring environment for adult and geriatric clients. The nursing process and concepts of pharmacology are reinforced. This course must be taken concurrently with NURS 3207. Lecture: 3 hours per week. Semester Credit Hours: 3. Prerequisites: NURS 3318, NURS 3301, NURS 3309, NURS 3203, and NURS 3312. Co-requisites Courses: NURS 3204, NURS 3207, NURS 3308, and NURS 3208.

NURS 3207 MEDICAL-SURGICAL NURSING CARE I PRACTICUM

This course builds on the nursing skills covered in Fundamentals I Theory and Practicum. It requires the completion of 90 clinical hours and is a pass/fail course. This course emphasizes disease management and development of a safe caring environment for adult and geriatric clients. The nursing process of client assessment, needs identification, intervention, implementation and evaluation, and pharmacology are reinforced through assigned client experiences focused on these populations. This course is a pass/fail course and is the practicum component of NURS 3307 and must be taken concurrently. Practicum: 6 hours per week. Credit: 2 semester hours. Prerequisites: NURS 3309, NURS 3301, NURS 3203, NURS 3304, NURS 3312 and NURS 3201. Co-requisites Courses: NURS 3307, NURS 3204, NURS 3308, and NURS 3208.

NURS 3308 CARE OF THE CHILDBEARING FAMILY THEORY

The focus of this course is the nurse's role in caring for women experiencing health issues associated with pregnancy and reproductive health. The focus

shifts from the individual to the family as the unit of care. Clinical reasoning skills are enhanced by providing care to culturally diverse families in acute and community-based settings. Lecture: 3 hours per week. Semester Credit Hours: 3. Prerequisites: NURS 3201, NURS 3301, NURS 3309, NURS 3203, NURS 3304, and NURS 3312. Co-requisites Courses: NURS 3208, NURS 3204, NURS 3307, and NURS 3207.

NURS 3208 CARE OF THE CHILDBEARING FAMILY PRACTICUM

This course is the practicum component of NURS 3308 Nursing Care of the Childbearing Family (Theory). This course requires the completion of 90 clinical hours and is a pass/fail course. Both the theory component and the practicum component must be successfully completed. If either the theory or practicum results in failing grade, a failing grade will be recorded for both theory and practicum and both courses will have to be repeated concurrently. Practicum: 6 hours per week. Semester Credit Hours: 2. Prerequisites: NURS 3318, NURS 3301, NURS 3309, NURS 3203, NURS 3304, and NURS 3312. Co-requisites Courses: NURS 3308, NURS 3204, NURS 3307, NURS 3207.

**NURS 4314 PSYCHIATRIC-
MENTAL HEALTH NURSING
CARE THEORY**

The focus of this course is on the therapeutic and empathetic use of the nurse's interpersonal skills, and the nurse's therapeutic and effective use of self, with clients who have psycho-social and mental health needs. Emphasis is on the therapeutic relationship and its potential to assist individuals and families in in-patient and out-patient settings, establish greater cognitive and emotional equilibrium, and greater measures of mental health. The focus is on treatment modalities, such as milieu therapy, crisis intervention, and psychopharmacology, designed for health promotion, maintenance, and restoration throughout the lifespan. The course content helps students plan and engage in therapeutic dialogue in intrapersonal dyads or group interventions. Lecture: 3 hours per week. Semester Credit hours: 3. Prerequisites: NURS 3204, NURS 3307, NURS 3207, NURS 3308, and NURS 3208. Co-requisites Courses: NURS 4210.

**NURS 4210 PSYCHIATRIC-
MENTAL HEALTH NURSING
CARE PRACTICUM**

This course is the practicum component of NURS 4314 Psychiatric-Mental Health Nursing Care Theory. These courses are taught Co-requisitely to insure that the student integrates theoretical concepts of compassion and performs competent care for clients facing mental health challenges. This course requires the completion of 90 clinical hours and is a pass/fail course. Both the theory component and the practicum component must be completed Co-requisitely and successfully. If either the theory or practicum results in a failing grade, a failing grade will be recorded for both theory and practicum and both courses will have to be repeated Co-requisitely. Practicum: 6 hours per week. Semester credit hours: 2. Prerequisites: NURS 3204, NURS 3307, NURS 3207, NURS 3308, and NURS 3208. Co-requisite: NURS 4314.

NURS 4310 EVIDENCE-BASED PRACTICE AND NURSING RESEARCH (3)

This course prepares students for scholarly excellence in future nursing roles. Students acquire skill in reading and critiquing qualitative and quantitative research which includes quality improvement, communication techniques, clinical judgment, and nursing interventions with diverse populations. Students learn to apply ethical principles when critiquing research involving human subjects. Student develop evidence-based research utilization posters, through which they derive nursing implications based on best practices. Leadership, clinical judgment and communication skills are enhanced through dissemination of their posters in class and if possible during the University's Annual Research Forum. Lecture: 3 hours per week. Credit: 3 semester hours. Prerequisite: NURS 4314 and NURS 4210. Co-requisites: NURS 4304, NURS 4203, NURS 4309, and NURS 4205.

NURS 4304 NURSING CARE OF CHILDREN THEORY

This course focuses on the holistic care of pediatric clients and their families. Aiming toward health restoration and health promotion the student gains knowledge to employ evidence based practice to providing high quality care to pediatric clients experiencing various health issues. The student will develop therapeutic communication skills when caring for the pediatric clients during childhood and through adolescence. Knowledge gained in this course will provide the student with a foundation that will allow for competent care of the pediatric client. Co-requisites: NURS 4203 Nursing Care of Children Practicum. Lecture: 3 hours per week. Semester credit hours: 3. Prerequisite Courses: NURS 4314 and NURS 4210. Co-requisites Courses: NURS 4310, NURS 4203, NURS 4309, and NURS 4205.

NURS 4203 NURSING CARE OF CHILDREN PRACTICUM

This course is the practicum component of NURS 4304 Nursing Care of Children (Theory). This course provides clinical experience which requires students to incorporate evidence-based assessment and interventions in care in providing holistic care for pediatric clients in various settings. Both the theory component and the practicum component must be successfully completed. If either the theory or practicum results in failing grade, a failing grade will be recorded for both theory and practicum and both courses will have to be repeated concurrently. This course requires the completion of 90 clinical hours and is a pass/fail course. Practicum: 6 hours per week. Semester Credit hours: 2. Prerequisites: NURS 4314 and NURS 4210. Co-requisites: NURS 4310, NURS 4304, NURS 4309, and NURS 4205.

NURS 4309 MEDICAL-SURGICAL NURSING CARE II THEORY

This course is a level three course that builds on knowledge and skills developed in the Fundamentals of Nursing

and Medical Surgical Nursing Care I. Senior nursing students are prepared to care for adults and generic clients with chronic medical surgical health problems in the acute setting. Lecture: 3 hours per week. Semester Credit Hours: 3. Prerequisites: NURS 4314 and NURS 4210. Co-requisites Courses: NURS 4205, NURS 4203, NURS 4304 and NURS 4310.

NURS 4205 MEDICAL-SURGICAL NURSING CARE II PRACTICUM

This course is the practicum component of NURS 4309 Medical Surgical Nursing Care II. This course provides clinical experience for implementation of the nursing process and evidence based practice in caring for assigned adult and geriatric clients in various healthcare settings. This course requires the completion of 90 clinical hours and is a pass/fail course. If either the theory or practicum results in failing grade, a failing grade will be recorded for both theory and practicum. Practicum: 6 hours per week. Semester Credit Hours: 2. Prerequisites: NURS 4314 and NURS 4210. Co-requisites: NURS 4310, NURS 4304, NURS 4203, and NURS 4203.

NURS 4313 MEDICAL-SURGICAL NURSING CARE III (THEORY)

Medical Surgical Nursing Care III Theory is a Level four (4) course that builds on knowledge and skills developed in Fundamentals in Nursing, Medical Surgical Nursing Care I, and Medical Surgical Nursing Care II. Senior nursing students are introduced to foundation of critical care and emergency nursing concepts. This course prepares students to care for individuals and families throughout the life span experiencing acute and complex medical surgical health problems. Lecture: 3 hours per week. Semester Credit Hours: 3. Prerequisites: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205. Co-requisites Courses: NURS 4306, NURS 4209, NURS 4111, NURS 4206, NURS 4207, and 4202.

NURS 4207 MEDICAL-SURGICAL NURSING CARE III (PRACTICUM)

This course is the practicum component of NURS 4313 Medical Surgical Nursing Care III Theory. Students are assigned clinical experience in acute and critical care areas. Students also spend time in the

Emergency department. Both the theory component and the practicum component must be successfully completed. If either the theory or practicum results in a failing grade, a failing grade will be recorded for both theory and practicum and both courses will have to be repeated concurrently. This is a pass/fail course and requires completion of 90 clinical hours. Practicum: 6 hours per week. Semester Credit Hours: 2. Prerequisites: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205. Co-requisites: NURS 4313, NURS 4306, NURS 4209, and NURS 4111.

NURS 4306 NURSING CARE OF COMMUNITIES AND POPULATIONS THEORY (3)

This course focuses on public health promotion by applying prevention, detection, and rehabilitation concepts to individuals, families, and communities. The course emphasizes the continued changes within the public health system that are needed for future decline in death, illness and disability related to preventable causes and factors. The course will focus on the goals and objectives of Healthy People 2020 targeting social, economic, and environmental

factors that impact healthy communities, individuals, families, communities, and populations across the life span. Lecture: 3 hours per week. Credit: 3 semester hours. Prerequisites: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205. Co-requisites: NURS 4313, NURS 4207, NURS 4209, NURS 4111, NURS 4206, and NURS 4202.

NURS 4209 NURSING CARE OF COMMUNITIES AND POPULATIONS PRACTICUM (2)

This course is the practicum component of NURS 4306 Nursing Care of Communities and Population (Theory). Students engage in evidence based practice activities focused on health promotion and wellness of communities and populations. This course requires the completion of 90 clinical hours and is a pass/fail course. If either theory or practicum results in failing grade, a failing grade will be recorded for both theory and practicum and both courses will have to be repeated concurrently. Credit: 2 semester hours. Practicum: 6 hours per week (90 clinical hours). Prerequisites: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205.

Co-requisites: NURS 4313, NURS 4207, NURS 4306, NURS 4111, NURS 4206, and NURS 4202.

NURS 4111 INTEGRATION SEMINAR

Integration seminar provides a review of the course content for all courses in the nursing program with the exception of course co-requisites. During the course students are required to demonstrate readiness for success on the NCLEX-RN through obtaining the required readiness predictor score on a nationally normed exam determined by the department. A satisfactory grade is required on the NCLEX readiness to pass the course. Failure of this course will result in non-matriculation. Lecture: 1 hour per week. Semester Credit Hours: 1. Prerequisite: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205. Co-requisites: NURS 4313, NURS 4207, NURS 4306, NURS 4209, NURS 4206, and NURS 4202.

NURS 4206 PROFESSIONAL DEVELOPMENT III: LEADERSHIP AND MANAGEMENT THEORY (3)

This course is designed to emphasize the foundational relevance of quality leadership and management knowledge and skills necessary for the practice of professional nursing. This course helps the student to determine strategies and rationales for effective leadership and management as a nurse generalist. The student reads landmark documents that are summaries of research and evidence based recommendations for best quality care, considers best approaches, and develops core competencies to insure the implementation of best practices for better health care outcomes. Lecture: 2 hours per week. Credit: 2 semester hours. Prerequisites: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205. Co-requisites: NURS 4202, NURS 4313, NURS 4207, NURS 4306, NURS 4209, and NURS 4111.

NURS 4202 PROFESSIONAL DEVELOPMENT III: LEADERSHIP AND MANAGEMENT PRACTICUM (2)

This course is the practicum component to NURS 4206 Professional Development III: Leadership and Management (Theory) and emphasizes the role of nurse manager in various health care settings. This course requires the completion of 90 clinical hours and is a pass/fail course. Both the theory component and the practicum component must be successfully completed. If the theory or practicum results in a failing grade, a failing grade will be recorded for both theory and practicum and both courses will have to be repeated concurrently. Credit hours: 2 semester hours. Practicum: 6 hours per week (90 clinical hours). Prerequisites: NURS 4310, NURS 4304, NURS 4203, NURS 4309, and NURS 4205. Co-requisites: NURS 4313, NURS 4207, NURS 4306, NURS 4209, NURS 4111, NURS 4206, and NURS 4202.

SCHOOL *of* BUSINESS AND MANAGEMENT

Dr. Lawrence Awopetu
Interim Dean

Dr. Mirza Shahjahan
Interim Assistant Dean

Mission

The mission of the School of Business and Management is to prepare business and management professionals and leaders who are in high demand by business, government, industry and community based agencies through excellence in a learning environment with highly valued programs and courses.

Accreditation

The School of Business and Management is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

Vision

The School of Business and Management will be a recognized resource for human talent as our graduates become

successful professionals with an entrepreneurial spirit, global awareness and ethical values.

The School of Business and Management will pursue its mission by:

1. Providing quality learning opportunities to develop an ability to think critically and analytically;
2. Providing opportunities to learn and gain knowledge in selected business disciplines within a quality learning environment;
3. Shaping ethical values, leadership and organizational skills;
4. Providing opportunities to gain “real world” business experience locally, regionally, nationally and internationally; and
5. Providing service to the community through student/faculty research, learning activities, intellectual contributions and professional involvement.

The School offers programs in business disciplines of accounting and business administration leading to Bachelor of Science degrees.

Within Business Administration, students may choose a concentration in economics, finance, marketing, business technology education or management.

The School sponsors several student organizations with national affiliations which offer students the opportunity to participate with others to develop enhanced leadership, team building and organizational skills. Current organizations include Students in Free Enterprise (SIFE), Marketing Club, Accounting Club, and the Investment Club. These organizations allow students to engage in professional activities locally, regionally, and nationally that accentuate their academic skills while providing a service to the community. Practical experience can be gained through Internships and Cooperative Education Programs. These experiences provide students with a variety of opportunities to gain professional experience as a part of their academic program.

Academic Requirements

There are two majors in the School of Business and Management that lead to the B.S. degree: accounting and business administration. The business administration degree allows for concentration in business technology education, finance, management, marketing and economics. The curriculum for each of these areas is shown on the following pages.

Students with a concentration in business technology education must have a 2.5 GPA for admission to the School of Education. Those students must also take and pass the PRAXIS I and PRAXIS II exams. All other concentrations and majors have no special admission and/or retention requirements beyond having and maintaining a 2.0 GPA.

Department of Accounting

Lawrence Awopetu, Chair

Professor

Arthur D. Karlin

Assistant Professor

Albert Hammons

Kristie Flowers

The Department of Accounting is one of two departments in the School of Business & Management. This department offers a degree in accounting. The students in this department are subject to the general university requirements for all students pursuing a degree at the University of Arkansas at Pine Bluff. All accounting majors must have a minimum cumulative 2.0 GPA and a minimum C grade in major core courses to graduate. Students must also complete all requirements outlined on a SBM program of study, pass the English Proficiency Exam, and meet all minimum institutional requirements.

Accounting Courses

NOTE:

F = Offered in Fall Semester;
SP = Offered in Spring Semester;
and
S = Offered in Summer

ACCT 2311: PRINCIPLES OF ACCOUNTING I (3) (F,SP,S)

A comprehensive introduction to basic financial accounting. Recording, summarizing and reporting principles of income measurement, asset valuation, accounting systems and controls.

ACCT 2323: PRINCIPLES OF ACCOUNTING II (3) (F,SP,S)

Continuation of 2311. Accounting for ownership equities of partnerships and corporations, debt securities, and fundamentals of cost accounting for planning and control of operations. Prerequisite: ACCT 2311.

ACCT 3312: INTERMEDIATE ACCOUNTING I (3) (F,SP,S)

A comprehensive study of financial accounting underlying the measurement and reporting of accounting information on a published financial statement. A detailed study of current and non-current assets, current liabilities, intangibles and present value concepts is included. Prerequisite: ACCT 2323.

ACCT 3320: INCOME TAX ACCOUNTING I (3) (F)

Presents the underlying principles of income taxation and the special accounting and managerial problems involved in the calculations of tax liability. Concentrates on taxation of individual proprietorships, partnerships and the special problems of corporations, estates and trusts. Prerequisite: ACCT 2323.

ACCT 3322: INTERMEDIATE ACCOUNTING II (3) (F,SP,S)

Continuation of Intermediate Accounting 3312. A detailed study of corporate equity accounts, long term investments and liabilities, incomplete financial records, financial statement analysis, cash flow analysis, correction of accounting errors, ethics, price level change adjustments to financial data and miscellaneous financial topics. Prerequisite: ACCT 3312.

ACCT 3330: INCOME TAX ACCOUNTING II (3) (SP)

A study of federal income tax laws with emphasis on regulations applicable to estates and trusts, corporations, partnerships, retirement plans, and audit appeal procedures.

ACCT 4310: MANAGERIAL ACCOUNTING (3) (SP,S)

Introduces problems designed to evoke an understanding of accounting measurements used primarily by high-level internal management. Covers concepts and analytical tools necessary for selecting, qualifying and communicating business approaches for the preparation and administration of budgets, departmental accounting cost analysis, and managerial control through effective use of accounting data, internally generated for business reporting and decision making. Prerequisite: ACCT 3322.

ACCT 4320: AUDITING I (3) (F,SP)

Covers duties and the ethical responsibilities of auditors, methodologies of conducting various audits, audit working papers, the preparation of audit reports, the auditor's certificate, public verification of balance sheets and operating accounts, the writing of the auditor's opinion. Utilizes comprehensive practice cases to illustrate auditing principles. Prerequisite: ACCT 3322.

ACCT 4325: ACCOUNTING FOR NONPROFIT ORGANIZATIONS (3) (SP)

A study of the concepts and accounting standards for governmental and nonprofit organizations. Preparation and analysis of comprehensive annual financial reports for these agencies. Prerequisites: ACCT 3312, 3322.

ACCT 4330: ACCOUNTING INFORMATION SYSTEM (3) (F)

Accounting Information System is concerned with the way computerized information systems impact how accounting data is captured, processed, and communicated. The course introduces you to the people, technology, procedures, and controls that are necessary to conduct internal and external e-business, with an emphasis on the internal controls over such systems.

ACCT 4331: ADVANCED ACCOUNTING I (3) (F)

Application of accounting principles and techniques associated with mergers, consolidations and the preparation of consolidated financial statements along with

the methods of purchase and pooling of interest. Prerequisite: ACCT 3322.

ACCT 4332: ADVANCED ACCOUNTING II (3) (SP)

Continuation of Advanced Accounting I. Principles and techniques associated with home office/branch relationships, foreign currency adjustments and translations, segment disclosures, partnerships accounting, reorganization and liquidations, governmental and fund accounting.

ACCT 4341: COST ACCOUNTING (3) (F)

Included are accounting problems involving control costs when manufacturing a product or rendering a service. Special attention is given to basic principles of job order costs, process costs and the use of standards. Prerequisite: ACCT 3322.

CURRICULUM FOR BACHELOR OF SCIENCE DEGREE ACCOUNTING

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science	CHEM	1411	3
College Algebra	MATH	1330	3	Humanities Elective			3
Personal & Social Dev.	BAS	1210	2	Career & Life Planning	BAS	1120	1
Physical Education	HLPE	1111	1				
Personal Health and Safety	HLPE	1310	3	US History OR	HIST	2318	
Business Ethics	MGMT	2200	2	American Government	PSCI	2312	3
			18				14
SOPHOMORE YEAR							
Oral Communication	MCOM	2390	3	Literature Elective	ENGL		3
Principles of Economics I	ECON	2310	3	Principles of Economics II	ECON	2320	3
Principles of Accounting I	ACCT	2311	3	Principles of Accounting II	ACCT	2323	3
Humanities Elective			3	Business Law	BADM	33147	3
Microcomputer Applications	MIS	1312	3	Business Math	FINA	2321	3
			15				15
JUNIOR YEAR							
Intermediate Accounting I	ACCT	3312	3	Intermediate Accounting II	ACCT	3322	3
Principles of Management	MGMT	3300	3	Advanced Comp	ENGL	3310	3
Business Statistics	ECON	3311	3	Business Communications	BUED	3301	3
Income Tax Accounting I	ACCT	3320	3	Income Tax Accounting II	ACCT	3330	3
Accounting Info. Systems	AIS	4330	3	Principles of Marketing	MKTG	3300	3
General Elective	ELEC		3				
			18				15
SENIOR YEAR							
Cost Accounting	ACCT	4341	3	Advanced Accounting II	ACCT	4332	3
Advanced Accounting I	ACCT	4331	3	Business Strategies	MGMT	4350	3
Principles of Finance	FINA	3310	3	ACCT for Non-Profits	ACCT	4325	3
Auditing	ACCT	4320	3	General Elective	ELEC		1
				Managerial Accounting	ACCT	4310	3
			12				13

Minor in Accounting

The minor in accounting requires a Minimum of eighteen (18) semester hours and includes the following:

Principles of Accounting I	2311
Principles of Accounting II	2323
Intermediate Accounting I	3312
Intermediate Accounting II	3322

Six hours of electives (any two of the courses listed below)

Advanced Accounting I	4331
Advanced Accounting II	4332
Cost Accounting	4341
Auditing	4320
Income Tax Accounting I	3320
Income Tax Accounting II	3330
Accounting/Non-Profit Organization	4325

Department of Business Administration

Peter Wui, Interim Chair

Associate Professors

Richard Carr, Jr.
Jules King
Joon Park
Peter Wui

Assistant Professors

Geraldine Buckingham

Instructors

Theodis Davis
Serena Brenneman
Syed Qadir

The Department of Business Administration is the largest unit within the School of Business and Management. This department offers the Bachelor of Science degree in Business Administration, with concentration in one of the following areas: 1) Economics, 2) Finance, 3) Management, 4) Marketing, and 5) Business Technology Education. The students in this department are subject to the general university requirements for all students pursuing a degree at the University of Arkansas Pine Bluff. All students, excluding those with a concentration in Business Technology Education, must have a minimum cumulative 2.00 GPA and a minimum C grade in major core courses to graduate.

Students with a concentration in Business Technology Education must maintain a 2.5 GPA. For the degree, students must complete all requirements outlined on a SBM program of study; pass the English Proficiency Exam, and meet all minimum institutional requirements.

Business School Requirements

Table 1.1			
Courses			Credit Hours
ACCT	2311	Principles of Accounting I	3
ACCT	2323	Principles of Accounting II	3
FINA	2321	Business Math	3
FINA	3310	Principles of Finance	3
MGMT	2200	Business Ethics	3
MGMT	3300	Principles of Management	3
MGMT	3314	Business Law I	3
MGMT	4350	Bus. Strategies & Policies	3
MKT	3300	Principles of Marketing	3
MIS	1312	Microcomputer Applications	3
MIS	3350	Management Info Systems	3
BUED	3301	Business Communications	3
		Free Business Electives	9
		TOTAL HOURS	44

Table 1.1 represents the core business courses required for a concentration in Management, Marketing, Finance, and Economics. Business core courses for Business Technology Education students are the same with the following exceptions:

- **Business Strategies & Policies**
- **Management Info Systems**
- **Free Business Electives**

Concentration in Management

Total Credit hours needed to graduate in Business Administration with a concentration in Management include:

General Education Course Requirements	45
Additional Required Courses	16
Core Business School Requirements	41
Management Concentration Requirements	18
TOTAL HOURS	120

In addition to core business courses, the following business courses are required for a specialization in Management:

Courses			Credit Hours
ACCT	4310	Managerial Accounting	3
ECON	4305	Intro to International Trade	3
MGMT	3318	Human Resource Mgt.	3
MGMT	3322	Organizational Behavior	3
MGMT	4315	Prod. & Operation Mgt.	3
MGMT	4340	Seminar in Small Business Entrepreneurship	3

Concentration in Finance

Total credit hours needed to graduate in Business Administration with a concentration in Finance include:

General Education Requirements	45
Additional Required Courses	16
Core Business School Requirements	41
Finance Concentration Requirements	18
TOTAL HOURS	120

In addition to core business courses, the following business courses are required for a concentration in Finance:

Courses			Credit Hours
FINA	3314	Investments	3
FINA	3340	Financial Mktg. & Institutions	3
FINA	4310	Managerial	3
FINA	4320	International	3
FINA	4312	Risk Management	3
FINA	3318	Real Estate	3
FINA	****	Finance Elective	3
TOTAL HOURS			18

Minor in Management

The minor in Management requires a minimum of eighteen (18) semester hours and includes the following:

Principles of Accounting I	2311
Principles of Economics I	2310
Principles of Economics II	2320
Principles of Management	3300
Choose 2 of the following:	
Managerial Accounting	4310
Intro to International Trade	4305
Human Resource Management	3318
Organizational Behavior	3322
Production/Operations Management	4315
Seminar in Small Bus Enterprises	4340

Concentration in Marketing

Total credit hours needed to graduate in Business Administration with a concentration in Marketing include:

General Education Requirements	45
Additional Required Courses	16
Core Business School Requirements	41
Marketing Concentration Requirements	18
TOTAL HOURS	120

In addition to core business courses, the following business courses are required for a concentration in Marketing.

Courses			Credit Hours
MKTG	3310	Cons. Analysis & Behavior	3
MKTG	3321	Integrated Mktg Communication	3
MKTG	3350	Marketing Management	3
MKTG	4320	International Marketing	3
MKTG	4330	Marketing Research	3
MKTG	****	Marketing Elective	3
		TOTAL HOURS	18

Minor in Marketing

The minor in Marketing requires a minimum of eighteen (18) semester hours and includes the following:

Principles of Accounting I	2311
Principles of Economics I	2310
Principles of Management	3300
Principles of Marketing	3300
Choose 2 of the following:	
Consumer Analysis & Behavior	3310
Integrated Marketing Communication	3321
Marketing Management	3350
Marketing Research	4330
International Marketing	4320
Marketing Elective	XXXX

Minor in Finance

The minor in Finance requires a minimum of eighteen (18) semester hours and includes the following:

Principles of Accounting I	2311
Principles of Economics I	2310
Principles of Economics II	2320
Principles of Management	3300
Choose 2 of the following:	
Investments	3314
Financial Markets/Institutions	3340
Managerial Finance	4310
International Finance	4320
Real Estate	3318
Finance Elective	XXXX

Concentration in Economics

Total credit hours needed to graduate in Business Administration with a concentration in Economics include:

General Education Requirements	45
Additional Required Courses	16
Core Business School Requirements	41
Economics Concentration Requirements	18
TOTAL HOURS	120

In addition to core business courses, the following business courses are required for a concentration in Economics.

Courses			Credit Hours
ECON	3300	Intermediate Microeconomics	3
ECON	3315	Money & Banking	3
ECON	4305	Intro to International Trade	3
ECON	4312	History of Economic Thought	3
ECON	4330	Intermediate. Macroeconomics	3
ECON	4392	Intro to Econometrics	3
		TOTAL HOURS	18

Minor in Economics

The minor in Economics requires a minimum of eighteen (18) semester hours and includes the following:

Principles of Accounting I	2311
Principles of Economics I	2310
Principles of Economics II	2320
Principles of Management	3300
Choose 2 of the following:	
Intermediate Microeconomics	3300
Money and Banking I	3315
Intro to International Trade	4305
History of Economic Thought	4312
Intro to Econometrics	4392
Financial Markets & Institutions	3340

Concentration in Business Technology Education

Total credit hours needed to graduate in Business Administration with a concentration in Business Technology Education include:

General Education Requirements	48
Core Business School Requirements	20
Core Education Requirements	36
Business Technology Education Concentration	16
TOTAL HOURS	120

In addition to core business courses, the following education and business courses are required for a concentration in Business Technology Education:

Courses			Credit Hours
EDUC	1200	Foundation & Dev. of Am.	2
EDUC	1001	Intro to School of Education	1
EDUC	2300	Survey/Exc. Child	3
EDUC	2309	Instr. Media/Tech	3
EDUC	3232	Education for Cultural Diversity	3
EDUC	3302	Psy. of Learning & Teaching	3
EDUC	3303	Classroom & Behavior Mgmt	3
EDUC	3305	Tests & Measurements	3
EDUC	4304	Methods of Teaching	3
EDUC	4600	Student Teaching: Clinical	6
EDUC	4605	Student Teaching: Practicum	6
BUED	2311 and/or 2321	Keyboarding I and/or Keyboarding II	3-6
BUED or MGMT	4310 or 3300	Office Mgmt or Principles of Mgmt	3
MIS	1312	Microcomputer Applications	3
MIS or CPSC	****	Electives (MIS 3350) or (CPSC 1311, 2322, 2350, or 3309)	6
TOTAL HOURS			51-54

Business Administration Courses

NOTE: Management, Marketing, Finance, and Economics courses that qualify as Business Electives are marked (E). Additional electives include approved Accounting and Business Education classes. For Management majors, selected leadership classes (Leadership Management I, Leadership Management II, Leadership Seminar I, and Leadership Seminar II) offered in Military Sciences can qualify as business elective courses.

NOTE:

F = Offered in Fall semester;
SP = Offered in Spring semester;
S = Offered in Summer

Management Courses (BADM)

MGMT 2200 BUSINESS ETHICS (2) (F,SP)

Examines the moral, ethical, and legal bases of business decision-making. Trains students to use ethical processes to arrive at sound decisions. Links moral behavior at an individual level and behavior in the marketplace.

MGMT 3300 PRINCIPLES OF MANAGEMENT (3) (F,SP)

Describes the elements of the managerial process and develops a rational synthesis of management. Teaches students to develop their own creative abilities in order to apply them intelligently to the problems encountered in business. Prerequisite: ECON 2320.

MGMT 3314 BUSINESS LAW (3) (F,SP)

Survey of the major theories, practice, and cases in the field of Civil and Criminal Law. Explores the intellectual and practical applications of the field of law and, in the process, gain an appreciation for the interdependence of the citizens with government and the citizens with each other. Research and analyzing of individual cases will be valuable tools.

MGMT 3318 HUMAN RESOURCES MANAGEMENT (3) (F,SP)

Covers methods of effective personnel management, types of management situations; a discussion of personnel problems and relations peculiar to each. (E)

MGMT 3322 ORGANIZATIONAL BEHAVIOR (3) (F,SP)

An integration of basic managerial concepts and social

sciences as they affect people in organizations. Places emphasis on environmental and inter-organization forces that influence membership behavior. Prerequisite: MGMT 3300. (E)

MGMT 4315 PRODUCTION OPERATIONS MANAGEMENT (3) (F,SP)

Discusses the application of quantitative techniques to business management. Specifically, the course covers production and operations management techniques such as demand forecasting, production planning and control (PPC) models, inventory management models, linear programming applications to production and operations, project management, and an introduction to modern quality management concepts such as TQM. Prerequisites: ECON 2320 or MGMT 3300. (E)

MGMT 4340 SEMINAR IN SMALL BUSINESS ENTREPRENEURSHIP (3) (F, SP)

Students participate in the actual day-to-day management and accounting operations of selected small, developing and disadvantaged businesses in and around the city of Pine Bluff. Prerequisite: ACCT 3322 and with consent. (E)

MGMT 4350 BUSINESS STRATEGIES AND POLICIES (3) (F,SP)

A capstone course focusing on the tasks of the manager in formulating short-and long-run corporate strategy. Uses the case method to help develop a framework for integrating skills learned in other required business courses. Prerequisite: Senior standing in the School of Business and Management and no more than 6 hours of business core courses remaining.

Management Information System Courses (MIS)

MIS 1312 MICRO COMPUTER APPLICATIONS (3) (F,SP)

An introduction to the use of microcomputers. Surveys the use of the DOS and WINDOWS operating systems, and several application programs; including a spreadsheet program, a word processing program and a database program. Lecture, "hands-on" exercises, and corporate profiles used to make the student aware of realistic applications of such programs.

MIS 3350 MANAGEMENT INFORMATION SYSTEMS (3) (F, SP)

A study of how to use computer based systems to enhance the storing, processing, and retrieval of business data and the

conversion of these data to relevant managerial information. Discusses hardware, software, and procedures for the processing, storing and dissemination of management information.

Marketing Courses (MKTG)

MKTG 3300 PRINCIPLES OF MARKETING (3) (F,SP)

Covers the integration of majority policy areas in the development of the firm's total marketing effort; products, prices, channels, and promotions. Prerequisite: ECON 2320.

MKTG 3310 CONSUMER ANALYSIS AND BEHAVIOR (3) (F,SP)

A review and analysis of the theoretical concepts and main determinants of consumer behavior with the purpose of exposing students to ways these concepts apply to marketing strategies and decision making. (E)

MKTG 3315 RETAILING AND RETAIL MANAGEMENT (3) (SP)

A study of the organization and management of problems and practices currently encountered by retail establishments. Prerequisite: MKTG 3310. (E)

**MKTG 3321 INTERGRATED
MARKETING COMMUNICATION
(3) (F,SP)**

A management approach to the following use of advertising in business, fashion, and national merchandising; media choice; appropriations; testing and measuring effectiveness of advertising. Prerequisite: MKTG 3310. (E)

**MKTG 3350 MARKETING
MANAGEMENT (3) (F,SP)**

Strategic planning and management of the marketing function. Topics include product planning, channel strategy, pricing strategy, and direction of the firm. Prerequisite: MKTG 3310. (E)

**MKTG 4310 SELLING AND
SALES MANAGEMENT (3) (F)**

A review of the principles of modern selling, and the duties and responsibilities of a sales representative. Also, a survey of the organization, management, and control of the selling efforts of a firm with emphasis on sales force management, training and motivation of the marketing mix, and planning policy matters. Prerequisite: MKTG 3310. (E)

**MKTG 4320 INTERNATIONAL
MARKETING (3) (SP)**

The application of marketing principles to international trade. Familiarizes the student with the problems and perspectives of

marketing within multinational corporate settings. The ability to analyze marketing decisions as they relate to overseas markets is stressed. Prerequisite: MKTG 3300. (E)

**MKTG 4330 MARKETING
RESEARCH (3) (SP)**

A study of modern marketing research techniques and their applications to problems involving marketing strategy, pricing, forecasts, and policy determination. Prerequisites: MKTG 3310. (E)

**MKTG 4370 INDEPENDENT
STUDY IN MARKETING (3) (SP)**

Research in one or more of the various marketing areas. Prerequisite: Consent of instructor. Student must have a concentration in marketing and must have a 3.00 G.P.A. in business courses. (E)
Finance Courses (FINA)

**FINA 2321 BUSINESS MATH (3)
(F,SP)**

A review of basic mathematics and algebra, including the application of algebra to business problems; covers the application of interest and discount, valuation of single sums, annuities of sinking funds, amortization of bond premiums, accumulation of bond discount and depreciation, and elementary principles of life insurance. Introduces statistics,

measures of central tendency, frequency distribution, means, median, mode, standard deviation, dispersion and skewed distributions. Prerequisite: MATH 1310.

FINA 3310 PRINCIPLES OF FINANCE (3) (F,SP)

Treats the administrative and managerial problems of financing business. Considers the problems of financing businesses. Considers the problems of organizations, promotion, issuance of securities, capitalization, budgeting, dividend policies, reorganization and consolidation. Prerequisite: ECON 2320 and ACCT II 2323.

FINA 3314 INVESTMENTS (3) (F)

Classifications of media, security analysis, and investment market mechanism, securities legislation, institutional aids to the investor, investment timing, and formulation of investment problems. Prerequisite: FINA 3310 (E)

FINA 3318 PRINCIPLES OF REAL ESTATE (3) (SP)

A study of various real estate concepts, laws and regulations. Various aspects of property rights and ownership, real estate financing, and property evaluation are discussed. This course is a prerequisite to all other real estate courses. (E)

FINA 3340 FINANCIAL MARKETS & INSTITUTIONS (3) (F,SP)

A study of the functions, operations, regulations and financial instruments of financial institutions and markets. Discusses assets and liabilities management. Prerequisite: FINA 3310. (E)

FINA 4310 MANAGERIAL FINANCE (3) (F,SP)

Studies corporate finance functions with emphasis on financial analysis to support business decisions. Covers leasing, mergers, acquisitions, financial structure, cost of finance, and other topics. Prerequisite: FINA 3310. (E)

FINA 4312 RISK MANAGEMENT (3) (F,SP)

Gives a basic knowledge of various types of insurance. Discusses warrants, liabilities and coverage peculiar to each. Gives attention to distinctions and divisions within each type. Prerequisite: ECON 2320. (E)

FINA 4320 INTERNATIONAL FINANCE (3) (F)

Study of the management of the financial resources of the multinational firm; discussion of the basic differences of an international operation from domestic financial management. Topics include international financial markets, evaluating foreign investment opportunities. Prerequisites: FINA 3310, FINA 4312.

Economics Courses (ECON)

ECON 2310 PRINCIPLES OF ECONOMICS I (3) (F,SP)

Introduces the basic economic problems of a society, how the different solutions to these problems lead to different political philosophies. Discussions focused on the economic activities of the society as a whole, especially effects of monetary and fiscal policies on employment, income and price levels. Prerequisite: ENGL 1311.

ECON 2320 PRINCIPLES OF ECONOMICS II (3) (F,SP)

Topics include decision-making of the firms and the consumer; market structures; farm problems; international trade and finance; and the global economy. Prerequisite: ECON 2310, MATH 3315.

ECON 3300 INTERMEDIATE MICROECONOMICS (3) (SP)

A study of prices and outputs and their implications. Topics include consumer choice: the theory of market, ranging from perfect competition through monopoly; the theory of the firm and the industry; and welfare economics. (Formerly Intermediate Economic Analysis). Prerequisite: ECON 2320. (E)

ECON 3311 BUSINESS STATISTICS (3) (F,SP)

Covers descriptive statistics. Explains characteristics of statistics data and interpretation, the relative relationship between a sample and a population. The central tendency and dispersions, probability sampling distribution and central limit theorem. Prerequisite: MATH 1330.

ECON 3312 STATISTICS FOR DECISION MAKING (3) (F,SP)

Built upon Business & Economic Statistics I (3311). The theory of sampling, estimation, hypothesis testing, regression and correlation analysis, decision theory, index and time series. Prerequisites: MATH 1330, ECON 3311.

ECON 3313 ECONOMICS FOR ELEMENTARY TEACHERS (3) (F,SP)

Concepts of free enterprise; principles and procedures of business to personal and family income problems, wise management of money and savings, protection from loss through insurance, securing a home, and personal expenditures. Helps prospective teachers to develop methods, applications and strategies for teaching students to understand the basic concepts of our economy and their effect on them and others. (E)

ECON 3315 MONEY AND BANKING I (3) (F,SP)

The fundamentals of currency issue, types of credit institutions, types of banks. Purposes and functions of commercial banking systems. Purpose and functions of the central bank—Federal Reserve Board. Impact of monetary policy on investment, employment, price and income. Prerequisites: ECON 2310, 2320 and MATH 1330. (E)

ECON 3321 MONEY AND BANKING II (3) (F,SP)

Purposes and functions of different financial institutions and markets, the interactions of these financial institutions and markets and their impact on income distributions and aggregate economic activities. Prerequisites: ECON 2310, 2320, MATH 1330. (E)

ECON 4305 INTRODUCTION TO INTERNATIONAL TRADE (3) (F)

An introductory survey and analysis of the theories on international trade; examines the nature of trade, the commercial and monetary policy of the respective trading parties and the contemporary mechanism of international payments. Prerequisite: ECON 2320. (E)

ECON 4311 LABOR PROBLEMS (3) (F)

A history and analytical study of the economics of the labor movement in the United States. Prerequisite: ECON 2320. (E)

ECON 4312 HISTORY OF ECONOMIC THOUGHT (3) (F,SP)

A study of economic philosophy and the development of the science of economics. Designed primarily for seniors majoring in economics. Prerequisite: ECON 2310, 2320. (E)

ECON 4330 INTERMEDIATE MACROECONOMICS (3) (SP)

Concerned with the problems of unemployment, economic instability, inflation and economic growth; compares the aggregated volume of the output of an economy with extent to which its resources are employed with the size of the national income and with the “general price level.” Prerequisite: ECON 3300 (E)

ECON 4392 INTRODUCTION TO ECONOMETRICS (3) (F)

Covers mathematical and statistical applications to economics. Treats both macro and micro-economic models. Prerequisite: Consent of instructor.

**BUSINESS COOP
INTERNSHIPS (6) (F,SP)**

Coop Internship I, II and III are offered for business majors. Students may seek structured learning opportunities within a business, industry, government sector or community based organization consistent with their major. A student must have a GPA of 2.5 or have completed 30 hours in their major. Pre-professional plans are developed through Career Services.

**Business Technology
Education Courses****BUED 2311 KEYBOARDING I
(3) (F,SP,S)**

An introductory course to enable students to develop keyboard mastery and increase basic speed and accuracy. Word processing exercises include practice drills, paragraph and tabulation indention, centering, business and personal letters, tables, reports, and memorandums.

**BUED 2321 KEYBOARDING II
(3) (F)**

A continuation of basic keying skills. Practice keying letters, tables, memorandums, reports, tabulations, and legal documents using common software. Emphasizes speed and accuracy.

**BUED 4304 METHODS OF
TEACHING BUSINESS
SUBJECTS (3) (SP)**

A critical study of materials and methodologies of teaching subjects in secondary schools. Designed to help students learn classroom management skills to confront student problems in adapting materials and methods to the learning process. This course should be taken prior to student teaching. Prerequisites: BUED 2321, 3301, 4310.

**BUED 4310 OFFICE
MANAGEMENT (3) (SP)**

An overview of human resource management practices. An analysis of the manager's position, duties, responsibilities, and opportunities. Special attention is given to the physical needs of a business office such as equipment, personnel, organization of different departments, and preparation of reports includes problems of selecting, promoting, and retaining efficient office personnel.

**BUED 3301 BUSINESS
COMMUNICATIONS (3) (F,SP,S)**

A study of the fundamentals of English with practice in writing correct, forceful business letters, memos, and business reports. Required of majors in business education and of other concentrations in Business. Prerequisite: Proficiency in word processing.

**CURRICULUM FOR A CONCENTRATION IN
BUSINESS TECHNOLOGY EDUCATION**

FALL SEMESTER

SPRING SEMESTER

FRESHMAN YEAR

English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science	CHEM	1411	4
College Algebra	MATH	1310	3	Humanities	HUMN	2301	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
Business Ethics	MGMT	2200	2	Intro to School of Educ.	EDUC	1110	1
Physical Education	HLPE	1111	1	Social Science	SOCI	1320	3
			<u>15</u>				<u>15</u>

SOPHOMORE YEAR

Oral Communication	MCOM	2390	3	Principles of Accounting II	ACCT	2323	3
Principles of Economics I	ECON	2310	3	Principles of Economics II	ECON	2320	3
Safety Education E	HLPE	3225	2	U.S. History 2315 OR 2318	HIST	-----	3
Principles of Accounting I	ECON	2311	3	American Govt	PSCI	2312	3
Found./Dev/American Educ	EDUC	1200	2	Literature Elective OR 2 2300/2360	ENGL	-----	3
Keyboarding I	BUED	2311	3				
			<u>16</u>				<u>15</u>

JUNIOR YEAR

Principles of Management	MGMT	3300	3	Prin of Finance	FINA	3310	3
Office Management	BUED	4310	3	Survey/Ex/Children	SPED	2300	3
Principles of Marketing	MKTG	3300	3	Micro Coputer Application	MIS	1312	3
Business Communication	BUED	3301	3	Management Info System	MIS	3350	3
Business Math	MATH	2321	3	Util/Instructional Media	EDUC	2309	3
			<u>15</u>				<u>15</u>

SENIOR YEAR

Assess Middle/Sec/Learner	EDUC	3366	3	Student Teaching (Clinical)	EDUC	4600	6
Psy./Lrng/Teaching	EDUC	3302	3	Student Teaching (Practicum)	EDUC	4604	6
Classroom & Behavior Mgmt	EDUC	3303	3				
Methods of Teaching	RDNG	4304	3				
Educ/Cultural/Diversity	EDUC	3225	2				
Humanities Elective			3				12
			<u>18</u>				

CURRICULUM FOR A CONCENTRATION IN FINANCE**FALL SEMESTER**

English Composition I	ENGL
Biological Science	BIOL
College Algebra	MATH
Personal & Social Development	BAS
Business Ethics	MGMT
Physical Education	HLPE

SPRING SEMESTER**FRESHMAN YEAR**

English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science	CHEM	1411	4
College Algebra	MATH	1310	3	Micro Computer Applications	MIS	1312	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
Business Ethics	MGMT	2200	2	American Government OR	PSCI	2312	3
Physical Education	HLPE	----	1	U.S. History	HIST	2315	
						<u>15</u>	<u>14</u>

SOPHOMORE YEAR

Oral Communication	MCOM	2390	3	Literature Elective 2300/2360	ENGL	----	3
Principles of Economics I	ECON	2310	3	Principles of Economics II	ECON	2320	3
Humanities Elective	HUMN	----	3	Personal Health & Safety	HLPE	1310	3
Principles of Accounting I	ACCT	2311	3	Principles of Accounting II	ACCT	2323	3
Business Math	FINA	2321	3	Business Statistics	MGMT	3311	3
						<u>15</u>	<u>15</u>

JUNIOR YEAR

Principles of Marketing	MKTG	3300	3	Investment	FINA	3314	3
Principles of Finance	FINA	3310	3	Non Business Elective		----	3
Statistics for Decision Making	ECON	3312	3	Real Estate OR	FINA	3318	
Humanities	HUMN	2301	3	Risk Management	FINA	4312	3
Non Business Elective		-----	1	Management Info Systems	MIS	3350	3
				Business Elective			3
						<u>16</u>	<u>15</u>

SENIOR YEAR

Business Law	BADM	3314	3	International Finance	FINA	4320	3
Business Communications	BUED	3301	3	Business Strategies	MGMT	4350	3
Managerial Finance	FINA	4310	3	Business Elective		----	3
Principles of Management	MGMT	3300	3	Business Elective		----	3
Financial Markets & Institutions	FINA	3340	3	Finance Elective		----	3
						<u>15</u>	<u>15</u>

CURRICULUM FOR A CONCENTRATION IN MANAGEMENT

FALL SEMESTER		FRESHMAN YEAR				SPRING SEMESTER	
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Phys. Sci. OR Phys. 1445	CHEM	1411	4
College Algebra	MATH	1310	3	Micro Computer Applications	MIS	1312	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
				American Government OR	PSCI	2312	
Physical Education	HLPE	----	1	US History 2315	HIST	2318	3
Business Ethics	MGMT	2200	2				
				<u>15</u>			<u>14</u>
				SOPHOMORE YEAR			
Oral Communication	COMM	2390	3	English Elective	ENGL	-----	3
Principles of Economics	ECON	2310	3	Principles of Economics II	ECON	2320	3
Humanities Elective	HUMN	-----	3	Personal Health & Safety	HLPE	1310	3
Principles of Accounting I	ACCT	2311	3	Principles of Accounting II	ACCT	2323	3
Business Math	FINA	2321	3	Business Statistics	MGMT	3311	3
				<u>15</u>			<u>15</u>
				JUNIOR YEAR			
Principles of Finance	FINA	3310	3	Statistics for Dec. Making	ECON	3312	3
Principles of Marketing	MKTG	3300	3	Non Business Elective		-----	3
Principles of Management	MGMT	3300	3	Intro to International Trade	ECON	4305	3
Humanities	HUMN	2301	3	Management Info Systems	MIS	3350	3
Non Business Elective			3	Seminar in Small Bus. Entrep.	MGMT	4340	3
Non Business Elective		----	1				
				<u>16</u>			<u>15</u>
				SENIOR YEAR			
Business Law	BADM	3314	3	Organizational Behavior	MGMT	3322	3
Business Communication	BUED	3301	3	Business Elective		-----	3
Managerial Accounting	ACCT	4310	3	Business Elective		-----	3
Human Res. Management	MGMT	3318	3	Bus. Strategies & Policies	MGMT	4350	3
Business Elective		----	3	Prod. & Operations Management	MGMT	4315	3
				<u>15</u>			<u>15</u>

CURRICULUM FOR A CONCENTRATION IN MARKETING

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science OR	CHEM	1411	
College Algebra	MATH	1330	3	Physics	CHEM	1445	4
Personal & Social Development	BAS	1210	2	Microcomputer Applications	MIS	1312	3
				Career and Life Planning	BAS	1120	1
Physical Education	HLPE	-----	1	American Government OR	PSCI	2312	
Business Ethics	MGMT	2200	2	U.S. History	HIST	2318	3
			<u>15</u>				<u>14</u>
SOPHOMORE YEAR							
Oral Communication	COMO	2390	3	Lit. Elective 2300/2360/2361	ENGL	-----	3
Principles of Economics I	ECON	2310	3	Principles of Economics II	ECON	2320	3
Humanities Elective	HUMN	-----	3	Personal Health & Safety	HLPE	1310	3
Principles of Accounting I	ACCT	2311	3	Principles of Accounting II	ACCT	2323	3
Business Math	FINA	2321	3	Business Statistics	MGMT	3311	3
			<u>15</u>				<u>15</u>
JUNIOR YEAR							
Principles of Finance	FINA	3310	3	Statistics for Dec. Making	ECON	3312	3
Principles of Marketing	MKTG	3300	3	Non Business Elective	-----	-----	3
Principles of Management	MGMT	3300	3	International Marketing	MKTG	4320	3
Humanities	HUMN	2301	3	Management Info Systems	MIS	3350	3
Non Business Elective	-----	-----	3	Cons. Analysis & Behavior	MKTG	3310	3
Non Business Elective	-----	-----	1				
			<u>16</u>				<u>15</u>
SENIOR YEAR							
Business Law	BADM	3314	3	Marketing Research	MKTG	4330	3
Business Communication	BUED	3301	3	Business Elective	-----	-----	3
Marketing Management	MKTG	3350	3	Business Elective	-----	-----	3
Integrated Marketing Communication	MGMT	3321	3	Business Strategies & Policies	MGMT	4350	3
Business Elective	-----	-----	3	Marketing Elective	-----	-----	3
			<u>15</u>				<u>15</u>

CURRICULUM FOR A CONCENTRATION IN ECONOMICS

FALL SEMESTER		SPRING SEMESTER					
FRESHMAN YEAR							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science	CHEM	1411	4
College Algebra	MATH	1310	3	Micro Computer Applications	MIS	1312	3
Personal & Social Development	BAS	1210	2	Career & Life Planning	BAS	1120	1
				American Government	OR PSCI	2312	
Physical Education	HLPE	-----	1	US History 2315	HIST	2318	3
				Business Ethics	MGMT	2200	2
			<u>13</u>				<u>16</u>
SOPHOMORE YEAR							
Oral Communication	MCOM	2390	3	English Elective	ENGL	-----	3
Principles of Economics	ECON	2310	3	Principles of Economics II	ECON	2320	3
Humanities Elective	HUMN	-----	3	Personal Health & Safety	HLPE	1310	3
Principles of Accounting I	ACCT	2311	3	Principles of Accounting II	ACCT	2323	3
Business Math	FINA	2321	3	Business Statistics	MGMT	3311	3
			<u>15</u>				<u>15</u>
JUNIOR YEAR							
Intermediate Microeconomics	ECON	3300	3	Non Business Elective		-----	3
Money & Banking I	ECON	3315	3	Management Info Systems	MIS	3350	3
Humanities	HUMN	2301	3	Statistics for Dec. Making	ECON	3312	3
Non Business Elective			3	Business Communication	BUED	3301	3
Principles of Finance	FINA	3310	3	Principles of Marketing	MKTG	3300	3
Non Business Elective		-----	1				
			<u>16</u>				<u>15</u>
SENIOR YEAR							
Intermediate Macroeconomics	ECON	4330	3	Intro to International Trade	ECON	4305	3
Intro to Econometrics	ECON	4392	3	Business Strategies	MGMT	4350	3
History of Economic Thought	ECON	4312	3	Business Elective		-----	3
Business Elective		-----	3	Principles of Management	MGMT	3300	3
Business Law		3314	3	Business Elective		-----	3
			<u>15</u>				<u>15</u>

SCHOOL *Of* EDUCATION

George E. Herts, Dean

The mission of the School of Education (SOE) is to offer high quality preparation programs leading to educational licensure and careers in professional education. Education faculty members also deliver preparation programs for careers in Recreation and Rehabilitation Services. Students participating in programs housed within the SOE have multiple opportunities to study in a multi-ethnic and diverse university setting. Faculty members of the SOE fulfill its mission through teaching, research, and public service to the Delta Region, the state of Arkansas and the nation.

Administration and Organization

The Dean oversees all SOE administrative issues. Accreditation and the institutional licensure process are branches of the Dean's office. The Council for the Accreditation of Educator Programs (CAEP) is the accrediting body for the SOE.

Committee Support Structure and Shared Governance

The Teacher Education Committee (TEC) is the governing body for SOE policies, procedures, and undergraduate curricular matters. This committee has interdepartmental membership and has student representation.

The Admission, Retention, and Exit Committee is a SOE committee that recommends policy to the TEC regarding teacher candidate criteria for admission, retention, exit and follow-up.

Goals

The goals of the School of Education are to:

- Prepare highly qualified individuals for careers as professional educators or human service professionals through a variety of degree programs and endorsements;
- Recruit, retain and graduate a diverse student population;
- Provide instruction based in current research, and data from assessments and best practices, with appropriate modeling of technology integration;

- Collaborate with public school practitioners and professionals from other community related agencies for educator preparation;
- Prepare candidates who exhibit ethical behavior consistent with laws and policies governing education; and
- Assist teacher candidates in the acquisition of knowledge, skills, and appropriate dispositions for educators.
- Art Education, Grades P-12
- Music Education (Vocal and Instrumental), Grades P-12
- Rehabilitation Services- Non Licensure
- Leisure Recreation-Non-Licensure
- Secondary Education, Grades 7-12:
 - Business Technology
 - English Education
 - Mathematical & Computer Science Education
 - Physical Education & Leisure Education
 - Science Education

SOE Departments

There are two academic departments within the SOE. They are the Department of Curriculum and Instruction and the Department of Health, Physical Education, and Recreation.

The School of Education offers Bachelor of Science (B.S.) degrees leading to educational licensure in the fields:

- Early Childhood Education (ECE), Grades P-4
- Elementary Education (ELEM), Grades K-6
- Middle Childhood Education (MLED), Grades 4-8
Emphasis: Language Arts, Social Studies Mathematics, or Science
- Special Education (SPED), Grades K-12

School of Education Policies

No student may register for restricted SOE coursework until they have successfully completed and passed the PRAXIS CORE examination and has been admitted to the SOE. Upon formal admission to the SOE, students become teacher candidates. Transfer students must complete UAPB residency requirements for licensure eligibility. (See UAPB catalog for academic regulations)

Candidates preparing for the professional semester must successfully pass PRAXIS II, complete the state required criminal background check and the Child Maltreatment Central Registry Check. SOE makes final determinations regarding site placement for candidates

teaching assignments. Candidate teaching placement site are usually within a 25 mile radius of UAPB.

Students who hold a non-teaching degree from an accredited four-year institution and seek teacher licensure must meet the requirements of the SOE and licensure requirements as established by the Arkansas Department of Education. These requirements may include prerequisite coursework, professional education coursework, field experiences, and student teaching. Arkansas state teacher assessments, current at the time of program entrance and exit, are required, also.

Courses listed below may be taken prior to admission to the SOE:

- HLPE 1310 Personal Health & Safety
- EDUC 1300 Foundation and Development of American Education
- EDUC 2309 Instructional Media
- SPED 2300 Survey of Exceptional Children
- SPED 2310 Intro to Learners with Special Needs
- SPED 2320 Speech and Language Acquisition
- ECE 3233 Diversity and Young Learners
- ECE 3301 Child Development
- ECE 3303 Guiding Young Children's Behavior
- RDNG 2314 Emergent Literacy
- ECE 4305 Bldg. Family & Community
- HIST 3300 Arkansas History
- ECE 4306 Math & Science ECE
- ECE 4307 Teaching Social Studies to Young
- RDNG 4310 Teaching Reading to Young
- ECE 3328 Developmentally Appropriate Practices for Young Children
- ECE 4355 Literature for Young Children
- MATH 4340 Modern Elementary Mathematics 1
- ART 2360 Children's Art
- MUSIC 2350 Public School Music
- RECR 3231 Primary/Lead up Games
- MATH 4341 Modern Elementary Math II
- EDUC 3301 Human Growth and Development
- RDNG 2313 Fundamentals of Language Arts and Reading
- EDUC 3303 Classroom/Behavior Management
- ELED 4355 Children's Literature
- ELED 3332 Teaching Social Studies in the Elem School
- ELED 4308 Teaching Mathematics in the Elem School

- ELED 3309 Teaching Science in the Elem School
- RDNG 4315 Methods of Teaching Reading
- EDUC 3236 Cultural Diversity within the School, Family, and Community
- ECON 3313 Economics for Elementary Teachers
- EDUC 3235 Education for Cultural Diversity
- MLED 3303 Adolescent Development
- MLED 2300 The Middle School
- MLED 4303 Methods of Teaching Mathematics & Disciplinary Literacy
- MLED 4304 Methods of Teaching Science & Disciplinary Literacy
- MLED 4305 Methods of Teaching Social Studies & Disciplinary Literacy
- MLED 4306 Methods of Teaching Language Arts & Disciplinary Literacy
- HLPE 4312 Adaptive Physical Education
- HLPE 4313 Methods and Materials of Elementary PE
- SPED 2353 Characteristics of Learners w/ Mild Disabilities
- SPED 3353 Methods/Mat'l/ Mild Disabilities
- SPED 4359 Individualized Instruction
- SPED 4364 Behavior Management
- SPED 4358 Exceptional Child in the Regular Classroom
- RDNG 2313 Fund/ Lang. Arts/ Reading
- RDNG 2314 Emergent Literacy
- EDUC 4302 Teaching Math
- RDNG 3326 Disciplinary Literacy

SOE Advisement, Persistence and Completion Policy

Upon formal admission into the SOE, students become teacher candidates. Candidates have a SOE academic advisor assigned and receive an official degree plan outlining the remaining program of study for graduation. Students seeking secondary teacher licensure will be jointly advised in the department of Curriculum and Instruction and the department of specialization.

- Candidates are required to meet with their assigned advisor no less than twice per semester. Additional advising sessions may be scheduled at the candidate's request or as required by the advisor.
- All teacher candidates are required to complete a planned sequence of courses and an integrated field experiences.
- Candidates must have the appropriate background knowledge and skills

necessary for advanced coursework through careful monitoring conducted at the advisor level.

- Candidates must maintain a minimum Cumulative GPA of 2.70 in all courses to remain a student in good standing.
- Candidates are required to have a 3.70 GPA to obtain faculty approval for graduation.

Department of Curriculum and Instruction

Hazel J. Linton, Chair

Professors

Shelbie Anderson
George E. Herts
Glenda Kennedy
Hazel J. Linton

Associate Professors

Vera Lang-Brown

Assistant Professors

Bettye A. Dunn-Wright

Instructors

Andreyetta Dennis
Willie Mae Hobbs

Coordinator of Field Experience

Willie Mae Hobbs

Administrative Specialist

Mitzy Allen
Kaidra Dockett

Administrative Support Supervisor

Holly Humphrey

Departmental Goals

The curriculum and varying field experiences will provide candidates with:

- Opportunities to cultivate critical thinking and decision-making skills.
- An understanding and appreciation of the historical foundations of schooling, especially as it pertains to diverse student populations;
- The knowledge, skills and abilities to make appropriate instructional decisions; and
- Reflective teaching habits to design, deliver, assess and refine instruction to meet the learning needs of all students.

**CURRICULUM FOR BACHELOR OF SCIENCE
Elementary Education (K-6)**

FALL SEMESTER			SPRING SEMESTER			
FRESHMAN YEAR (32)						
English Comp I	ENGL	1311	3	English Comp. II	ENGL 1321	3
College Algebra	MATH	1330	3	Personal Health.	HLPE 1310	3
Personal & Social Development	BAS	1210	2	Career Life Planning	BAS 1120	1
Foundations	EDUC	1300	3	Physical Science	CHEM 1411	4
Biological Science	BIOL	1350	3	Humanities (Art)		3
Biological Science Lab	BIOL	1150	1	Communications	MCOM 2390	3
			<u>15</u>			<u>17</u>
SOPHOMORE YEAR (30)						
Humanities (Music)			3	Survey of Exp.	SPED 2300	3
Social Science			3	Public School Music	MUSC 2350	3
Into. To Lit	ENGL	2390	3	Speech & Lang.	SPED 2320	3
Util/Instrut. Media	EDUC	2309	3	Fund. Lang. Read.	RDNG 2313	3
Children's Art	ART	2360	3	Cultural Diversity	EDUC 3236	2
				Phys. Ed.	HLPE 1110-1125	1
			<u>15</u>			<u>15</u>
JUNIOR YEAR (33)						
Arkansas Hist.	HIST	3300	3	Modern Math II	MATH 4341	3
Modern. Math	MATH	4340	3	Method. Math. P.E.	HLPE 4313	3
Social Science			3	Teach. Math	ELED 4308	3
Social Science	GEOG	2360/2301	3	Teach. Science	ELED 3309	3
Human Growth	EDUC	3301	3	Methods/ Read.	RDNG 4315	3
Teach. Soc. Stud.	ELED	3332	3			
			<u>18</u>			<u>15</u>
SENIOR YEAR (24)						
Children's Lit.	ELED	4355	3	Teach. Practicum	ELED 4606	6
Econ. For Elem.	ECON	3313	3	Teach. Clinical	EDUC 4600	6
Assessment	EDUC	3306	3			
Pyscho/Learn/Teach	EDUC	3302	3			
Behavior Mgmt.	EDUC	3303	3			
			<u>15</u>			<u>12</u>

**CURRICULUM FOR BACHELOR OF SCIENCE
Special Education (K-12) PENDING APPROVAL**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR (32)							
English Comp I	ENGL	1311	3	English Comp. II	ENGL	1321	3
College Algebra	MATH	1330	3	Personal Health.	HLPE	1310	3
Personal & Social Development	BAS	1210	2	Career Life Planning	BAS	1120	1
Foundations	EDUC	1300	3	Physical Science	CHEM	1411	4
Biological Science	BIOL	1350	3	Humanities (Art)			3
Biological Science Lab	BIOL	1150	1	Communications	MCOM	2390	3
			<u>15</u>				<u>17</u>
SOPHOMORE YEAR (30)							
Humanities (Music)			3	Survey of Exp.	SPED	2300	3
Social Science			3	Public School Music	MUSC	2350	3
Intro. To Lit	ENGL	2390	3	Speech & Lang.	SPED	2320	3
Util/Instrut. Media	EDUC	2309	3	Fund. Lang. Read.	RDNG	2313	3
Children's Art	ART	2360	3	Cultural Diversity	EDUC	3236	2
			3	Phys. Ed.	HLPE	1110-1125	1
			<u>15</u>				<u>15</u>
JUNIOR YEAR (33)							
Arkansas Hist.	HIST	3300	3	Meth./Matl./Mild	SPED	3353	3
Modern. Math	MATH	4340	3	Exceptional Child	SPED	4358	3
Gen. Psych.	PYSC	2300	3	Teach. Math	EDUC	4302	3
Social Science	GEOG	2360/2301	3	Adaptive Phys Ed.	HLPE	4312	3
Human Growth	EDUC	3301	3	Disciplinary Lit.	RDNG	3326	3
Char. Learn.	SPED	2353	3				
			<u>18</u>				<u>15</u>
SENIOR YEAR (24)							
Individualized Instruction	ELED	4355	3	Teach. Practicum	SPED	4611	6
Assessment	SPED	3352	3	Teach. Clinical	EDUC	4600	6
Psych/Learn/Teach	EDUC	3302	3				
Behavior Mgmt.	SPED	4364	3				
			<u>12</u>				<u>12</u>

CURRICULUM FOR BACHELOR OF SCIENCE
Middle School Education (4-8)

FALL SEMESTER			SPRING SEMESTER
FRESHMAN YEAR (32)			
English Comp I	ENGL	1311 3	English Comp. II ENGL 1321 3
College Algebra	MATH	1330 3	Humanities 3
Personal & Social Development	BAS	1210 2	Career Life Planning BAS 1120 1
The Middle School	MLED	2300 3	Physical Science CHEM 1411 4
Biological Science	BIOL	1350 3	Social Science Elective 3
Biological Science Lab	BIOL	1150 1	Oral Comm. MCOM 2390 3
		15	17
SOPHOMORE YEAR (30)			
General Psychology	PSYC	2300 3	Specialization 3
Social Science		3	Specialization 3
Util/Inst. Media	EDUC	2309 3	Cultural Diversity EDUC 3235 2
Survey Exceptional	SPED	2300 3	Humanities 3
Literature	ENGL	2300 3	World Geography GEOG 2301 3
			HLPE 1100-1120 1
		15	15
JUNIOR YEAR (33)			
Specialization		3	MLED Specialization 3
Specialization		3	MLED Specialization 3
Adolescent Development	MLED	3303 3	Specialization 3
Specialization		3	Specialization 3
Classroom Behavior	EDUC	3303 3	Specialization 3
Arkansas History	HIST	3300 3	
		18	15
SENIOR YEAR (27)			
Specialization		3	Student Teaching EDUC 4600 6
Specialization		3	Student Teaching MLED 4606 6
Meth. Teach. Rdng.	RDNG	4315 3	
Assessing Middle /Secondary Learners	EDUC	3356 3	
Psychology Learning	MLED	3302 3	
		15	12

**CURRICULUM FOR BACHELOR OF SCIENCE
Rehabilitation Services**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR (32)							
English Comp I	ENGL	1311	3	English Comp. II	ENGL	1321	3
College Algebra	MATH	1330	3	Intro to Rehab.	RHAB	2301	3
Personal & Social Development	BAS	1210	2	Career Life Planning	BAS	1120	1
Personal Health	HLPE	1310	3	Physical Science	CHEM	1411	4
Biological Science	BIOL	1350	3	General Psychology	PYSC	2300	3
Biological Science Lab	BIOL	1150	1	Communications	ENGL		3
			15				17
SOPHOMORE YEAR (33)							
Intro. Rehab/Coun.	RHAB	2301	3	Concentration			3
Social Science			3	Medical Aspects	RHAB	3310	3
Oral Comm.	MCOM	2390	3	Phys. Psycho.	RHAB	3300	3
Humanities			3	Humanities			3
Concentration			3	Social Science			3
Elective			3				
			18				15
JUNIOR YEAR (31)							
Assistive Tech.	RHAB	3330	3	Case Mgmt.	RHAB	3320	3
Career Dev.	RHAB	3340	3	Community Advocacy	RHAB	4340	3
Assessment in Rehab.	RHAB	4300	3	Legal & Ethical	RHAB	4330	3
Drug Abuse or Ed.			3	Prin. Of Mgmt.	MGMT	3300	3
Concentration			3	Phys. Ed.	HLPE	1110-	1
Concentration			3				
			18				13
SENIOR YEAR (24)							
Seminar	RHAB	4320	3	Rehab. Practicum	RHAB	4350	12
Concentration			3				
Concentration			3				
Elective			3				
			12				12

Education Courses (EDUC)

EDUC 1300 FOUNDATIONS & DEVELOPMENT OF AMERICAN EDUCATION (3)

A professional education course that is an orientation to the field of education with emphasis on the aims, philosophies and development of the American educational system. Ten hours of field experiences required.

EDUC 2210 TESTING SEMINAR (2)

A professional education course designed to assist prospective teachers in their preparation to take the PRAXIS Test.

EDUC 2309 INSTRUCTIONAL MEDIA AND TECHNOLOGY (3)

An introductory survey of theory and practices of utilizing technology to support instruction. The course is designed to acquaint the pre-service teacher with guidelines and competencies in the selection, evaluation and creation of specific media to facilitate learning.

Prerequisite: Demonstrated computer skills.

EDUC 2312 COMPUTERS IN EDUCATION (3)

A course designed for using computers in classroom instruction. Emphasis is placed on the development of

computer operation skills, computer literacy, and computer user competency. A transitional course to enhance computer knowledge and skills.

EDUC 3301 HUMAN GROWTH AND DEVELOPMENT (3)

This courses explores and in-depth study of the stages and characteristics of human development throughout the entire life span with emphasis on physical, cognitive, and sociological aspects. Fifteen hours of field experience is required.

EDUC 3235 EDUCATION FOR CULTURAL DIVERSITY (2)

A study of the interrelationships of the parameters of culture and how they affect human relations and the educational process.

EDUC 3302 PSYCHOLOGY OF LEARNING & TEACHING (3)

An in-depth study of the learning processes and the major theories of learning. Prerequisite: General Psychology 2300, admission to the School of Education and fifteen (15) hours Field Experience Required.

Prerequisite: Admission to the SOE.

EDUC 3303 CLASSROOM & BEHAVIOR MANAGEMENT (3)

A course designed to improve skills among teachers and children in various classroom settings. Candidates will study techniques of discipline, educational teaching strategies and classroom organizational patterns. Field Experience Requirements: Fifteen (15) hours.

EDUC 3366 ASSESSING MIDDLE/SEC/LEARNERS (3)

The course addresses the area of assessment including standardized tests and informal strategies. Emphases are placed on test preparation and test administration and how to select tests and strategies to ensure results that are valid and unbiased, will also be examined. Additionally, tests and strategies for assessing academic achievement, specific academic achievements, specific academic areas, and learning aptitude are described. Finally, ways to interpret and use assessment data are addressed. Field Experience Requirements: Fifteen (15) hours

EDUC 4100 (1), 4200 (2), 4300 (3) WORKSHOP

This course is designed to provide an opportunity for teacher candidates to explore areas of interest and prepare

educational materials through a workshop format.

Prerequisite: Consent of the instructor.

EDUC 4600 STUDENT TEACHING: CLINICAL (6)

This course provides for a combination of clinical and practicum activities including on-campus seminars and workshops focusing on various professional topics. These seminars and workshops are conducted at the beginning and throughout the professional semester. This course is a requirement for all education majors regardless of the area of specialization.

Prerequisites: Admission to the SOE, admission to the professional semester, senior status, and be within 4 hours of completing all other required course work.

Early Childhood Education (ECE) P- 4th Grade

The Early Childhood Education (ECE) program of the Department of Curriculum and Instruction has as its major purpose the professional preparation of candidates who are seeking initial Early Childhood school licensure.

The program prepares candidates to work with children ages birth - 4th grade. The curriculum culminates in a Bachelor of Science degree in Early Childhood Education.

ECE 3233 DIVERSITY AND YOUNG LEARNERS (2)

This course will prepare a candidate to work with culturally, linguistically and diverse young children, birth to age eight, and their families in school and community settings. Candidates examine foundational work from the fields of early childhood education, multicultural education, and second language acquisition/bilingual education and from a social justice perspective. Field Experience Requirements: Fifteen (15) hours

ECE 3301 CHILD DEVELOPMENT (3)

This course examines the characteristics of child development, the physical, psychological, and sociological aspects of development with emphasis on behavior. Field Experience Requirements: Fifteen (15) hours

ECE 3303 GUIDING YOUNG CHILDREN'S BEHAVIOR (3)

This is a study of discipline of children in early childhood settings for interaction in teaching and learning environments. The course provides an overview of developmentally appropriate, effective guidance and classroom management techniques for the teacher of young children. Field Experience Requirements: Fifteen (15) hours

ECE 3328 DEVELOPMENTALLY APPROPRIATE PRACTICES FOR TEACHING YOUNG CHILDREN (3)

The course is a study of developmentally appropriate practices and the teacher's role in supporting development of young children ages birth to eight. There is an emphasis on curriculum planning, including goals, indoor and outdoor environmental design, roles of teachers and families and appropriate equipment, supplies and settings. Observation and participation in settings with infants and toddlers and young children through age 8 is required. Field Experience Requirements: Fifteen (15) hours

ECE 3355 PSYCHOLOGY APPLIED TO TEACHING YOUNG CHILDREN (3)

This is an in-depth study of the learning processes and how these processes foster student learning. The course emphasizes the major theories of learning related to early childhood education. Field Experience Requirements: Fifteen hours (15) **Prerequisite:** Admission to the SOE.

ECE 4302 MATHEMATICS /SCIENCE IN ECE (3)

A study of the content, the methods, and materials used in teaching mathematics and science to early childhood age children. Field Experience Requirements: Fifteen (15) hours

ECE 4304 DEVELOPMENTALLY APPROPRIATE ASSESSMENT TECHNIQUES FOR YOUNG CHILDREN (3)

This course investigates normative and criterion-referenced approaches to the assessment of children's progress. Consideration will be given to traditional and alternative methods of assessing a young child and the construction of instructional objectives; lesson plans and varied assessment approaches. Research and/or clinical experiences are required. Field Experience Requirements: Fifteen (15) hours.

Prerequisite: Admission to the SOE.

ECE 4305 BUILDING FAMILY AND COMMUNITY RELATIONSHIPS (3)

This course recognizes parents as a child's first teacher and assists candidates with developing and applying learning activities and strategies that foster parental involvement, especially for parents of young children. This course emphasizes effective communication strategies, parental activities and the roles of parents in the learning environment. Field Experience Requirements: Fifteen (15) hours.

ECE 4306 TEACHING SOCIAL STUDIES TO YOUNG CHILDREN (3)

This course is designed to assist in preparing teacher candidates to teach social studies in the early childhood classroom. Course goals include acquiring knowledge and skills of social studies content and sequences. The emphasis is on the ability to select and utilize developmentally and age appropriate materials and teaching techniques. Field Experience Requirements: Fifteen (15) hours.

ECE 4355 LITERATURE FOR YOUNG CHILDREN (3)

This course provides teacher candidates with an in-depth exploration of children's literature to enhance and extend learning and language through literature. An emphasis will be placed on developmentally appropriate procedures for facilitating young children's explorations in reading and writing. Evaluating and selecting quality literature will be addressed. In the process, candidates will enlarge perspectives on quality and purpose of selection as well as enrich their awareness of issues regarding trade books, reading aloud, storytelling and responses of young children to literacy as a lifelong process. Field Experience Requirements: Fifteen (15) hours.

RECR 3231 PRIMARY AND LEAD-UP GAMES FOR CHILDREN (2)

Emphasis on selecting primary and lead up games for children, teacher candidate designed games, and considerations when teaching games.

Stresses evaluation techniques and procedures. Field

Experience Requirements:

Fifteen (15) hours

HLPE 3220 FIRST AID/CPR (2)

Prepares persons to make appropriate decisions and administer emergency first aid and cardiopulmonary resuscitation to victims of serious bleeding, poisoning, shock, fracture, and other forms of injury until emergency medical services personnel arrive at the scene.

ART 2360 METHODS IN CHILDREN'S ART (3)

Lectures, art activities and class discussions that focus on the methods of teaching art at early childhood levels the pre-school and elementary levels. The course explores the nature and significances of art experiences for children. No prerequisite.

MUSI 2350 PUBLIC SCHOOL MUSIC (2)

For early childhood education majors. Fundamentals of music, elementary beginning

ear training and rhythmic skills, playing classroom instruments, performance of simple melodies on the piano, study of appropriate song literature and music terminology for grades K-6 P-4.

Elementary Education (ELEM), Grades K-6

ELED 3309 TEACHING SCIENCE IN THE ELEM SCHOOL (3)

A study of the content, the methods, and materials used in teaching science in the elementary school. Disciplinary Literacy will be addressed.

ELED 3332 TEACHING SOCIAL STUDIES IN THE ELEM SCHOOL (3)

A course designed to assist in preparing candidates to teach social studies in the early childhood classroom.

ELED 4308 TEACHING MATHEMATICS IN THE ELEM SCHOOL (3)

A study of the content, the methods, and materials used in teaching mathematics to children. This course will also address specific disciplinary literacy competencies for teaching mathematics.

ELED 4355 CHILDREN'S LITERATURE (3)

This course provides an in-depth study of various types of children's books and literature across genres and cultures and an assessment of the criteria used to evaluate and choose books. It also includes the history and trends of children's literature. Strategies for sharing books with children and families and integrating literature throughout the curriculum are included. This course provides candidates the knowledge, skills, and dispositions necessary to make decisions in selecting and sharing developmentally appropriate books with students through a variety of forums, including media and technology. The course will enable candidates to develop and articulate a philosophy of literacy education and to show how it is consistent with their instructional and assessment practices and with the developmental needs of students. Attention is also given to multicultural issues and concerns. The course will also address components of the Arkansas K-6 Elementary Education Disciplinary Literacy Competencies. Candidates are required to complete 15 hours of field experience in a school setting.

ELED 4606 STUDENT TEACHER ELEM. ED. PRACTICUM (6)

This course provides an introduction to teaching through conferences, observations, participation, Early Literacy Learning of Arkansas (ELLA) workshops, and supervised teaching in a public school setting. Each student teacher is guided by both public school and university educators to assume the full responsibility for teaching during full semester experience. It also provides for a combination of clinical and practicum activities including on-campus seminars and workshops both on campus and in the public school he/she is assigned that focus on various professional topics.

Middle Childhood Education (MLED), Grades 4-8**MLED 2300 THE MIDDLE SCHOOL (3)**

This course identifies middle school concepts, the curricula and instructional practices specifically designed to meet the needs of young adolescents between the ages of 10 and 14, grades 4-8.

MLED 3301 ADOLESCENT DEVELOPMENT (3)

This course examines the stages and characteristics of adolescent development with emphasis on the physical, psychological, and sociological aspects of development. Field experiences requirements: Fifteen (15) hours.

MLED 3302 PSYCHOLOGY OF TEACHING ADOLESCENT LEARNERS (3)

An in-depth study of the learning processes and how these processes foster student learning. This course emphasizes the major theories of learning related to middle school and high school learners. **Prerequisite:**
Admission to the SOE.

MLED 3303 CLASSROOM BEHAVIOR MANAGEMENT (3)

A course designed to improve skills among teachers and children in various middle school classroom settings.

MLED 4301 METHODS AND MATERIALS LANGUAGE ARTS AND SOCIAL STUDIES (3)

Content specific pedagogy for teaching the language arts and social studies in a middle school setting

MLED 4302 METHODS AND MATERIALS FOR TEACHING MATHEMATICS AND SCIENCE MIDDLE SCHOOL (3)

A study of the content, the methods, and materials used in teaching mathematics and science in the middle school.

MLED 4617 STUDENT TEACHING PRACTICUM (6)

This course provides an introduction to teaching through conferences, observations, participating and supervised

teaching in a public school setting. Each student teacher is guided to assume the full responsibility for teaching during a full semester experience. **Admission to the SOE and the professional semester are required for enrollment in this course.**

Reading Coursework (RDNG)

RDNG 2314 EMERGENT LITERACY (3)

The course is designed to explore and discuss emergent literacy research and methods. This course in emergent literacy will provide the early childhood teacher candidate with foundational knowledge of how very young and young children develop literacy. Emphasis will be placed on theories and techniques that have proven to be successful which will help teacher candidates translate principles into practice. The course introduces materials for teacher candidates to methods of teaching literacy and language for early childhood settings.

RDNG 3326 TEACHING READING IN THE CONTENT AREAS (3)

A study of the methods and materials used in teaching reading in the content areas. Emphasis is placed on improving the reading ability of middle school and high school students. **Field Experience Requirements: Fifteen (15) hours** Prerequisites: **RDNG 2314**

RDNG 4310 TEACHING READING TO YOUNG CHILDREN (3)

The purpose of this course is to introduce the teacher candidate to the teaching and learning processes associated with reading instruction for young children. This course in early literacy is designed to extend the teacher candidate's knowledge of the reading, language and writing processes so candidates can make decisions relative to the use of appropriate assessment measures, learning contexts and instructional strategies for all children P-4. This course will focus and examine developmental stages of reading and writing that will provide a knowledge base needed to assist teacher candidates in making insightful decisions. **Field Experience Requirements: Fifteen (15) hours**

RDNG 4315 METHODS OF TEACHING READING (3)

The course is designed to explore and discuss reading research and methods associated with reading instruction for young children. The course integrates a constructivist/emergent literacy perspective with instructional practices. This unique focus on theories and techniques that have proven to be successful helps candidates translate principles into practice with very

young and young children. **Field Experience Requirements: Fifteen (15) hours**

Special Education Coursework (SPED)

SPED 2300 SURVEY OF EXCEPTIONAL CHILDREN (3)

Foundation course in special education, designed to describe the scope of the field.

Minimum 10 hrs. field experience required.

SPED 2310 INTRODUCTION TO LEARNERS WITH SPECIAL NEEDS (3)

This course is designed to provide candidates the foundations of early childhood special education, specifically the historical, philosophical, legal and empirical rationale for providing early intervention services to young children with disabilities. **Minimum ten (10) hours of field experience in a special education classroom are required.**

SPED 2320 SPEECH AND LANGUAGE ACQUISITION (3)

Designed to promote competencies in language acquisition. Emphasis placed on the environment and the effects of imitation in the acquisition of speech and language development.

SPED 4358 EXCEPTIONAL CHILD IN THE REGULAR CLASSROOM (3)

Rationale, educational programming and instructional procedures for educating mildly disabled individuals in the regular classroom. **Minimum 15 hours of field experience required.**

SPED 4611 SPECIAL EDUCATION STUDENT TEACHING PRACTICUM (6)

This course provides an introduction to teaching through conferences, observations, participation, Early Literacy Learning of Arkansas (ELLA) workshops, and supervised teaching in a public school setting. Each student teacher is guided by both public school and university educators to assume the full responsibility for teaching during full semester experience. Directed observation, participation and teaching under supervision in both a K-6 and 7-12 special education classroom with a minimum of 7.5 weeks in each setting. It also provides for a combination of clinical and practicum activities including on-campus seminars and workshops both on campus and in the public school he/she is assigned that focus on various professional topics.

Secondary Education

The Secondary Education teacher preparation programs offer a course of study preparing candidates to become competent (7-12) teachers. Secondary candidates have in-depth knowledge in a designated academic discipline, as well as knowledge and skills regarding adolescent learners, secondary school environment and the teaching-learning process. Candidates planning to teach at the secondary level will complete a program of study with integrated academic area courses, teacher education curriculum and field experiences. Students seeking secondary teacher licensure will be jointly advised in the Department of Curriculum and Instruction and the department offering the academic area of specialization.

Secondary Education (grades 7-12):

- Agriculture Technology Education
- Business Technology Education
- English/Language Arts Education
- Family & Consumer Science
- Mathematics Education
- Science Education
- Physical Education, Wellness & Recreation
- Social Studies Education
- Industrial Technology Education
- Art Education, grades P-12
- Music Education (Vocal **OR** Instrumental) grades P-12

Secondary Education Courses (SEED)

EDUC 4304 GENERAL METHODS FOR SECONDARY EDUCATION (3)

This course is primarily for secondary education majors in Art Education, Life/Earth Science Education, Physical/Earth Science Education, English Education and Mathematics Education. It is designed to develop candidate skills in planning, application and delivery of techniques necessary for teaching within the respective discipline in grades 7-12. **Field Experience Requirements: Fifteen (15) hours**

METHODS AND MATERIALS IN TEACHING VOCATIONAL EDUCATION IN AGRICULTURE (See VOED 3220 and VOED 4301)

HOME ECONOMICS METHODS (See VOED 3220 and VOED 4301)

MUSIC METHODS FOR EARLY CHILDHOOD, MIDDLE CHILDHOOD AND SECONDARY STUDENTS (See MUSI 3310)

METHODS AND MATERIALS OF INDUSTRIAL EDUCATION (See VOED 4320)

VOED 4601 STUDENT TEACHING: AGRICULTURE EDUCATION PRACTICUM (6)

Introduction to teaching Agriculture Education through conferences, observation, participation and supervised teaching in a secondary school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester and senior status.**

SEED 4602 STUDENT TEACHING: ART EDUCATION PRACTICUM (6)

Introduction to teaching Art Education through conferences, observation, participation and supervised teaching in a public school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester and senior status.**

**VOED 4609 STUDENT
TEACHING: HUMAN SCIENCES
EDUCATION PRACTICUM (6)**

Introduction to teaching Human Sciences Education through conferences, observation, participation and supervised teaching in a secondary school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester and senior status.**

**EDUC 4610 STUDENT
TEACHING: MATHEMATICAL
EDUCATION PRACTICUM (6)**

Introduction to teaching Mathematics Education through conferences, observation, participation and supervised teaching in a secondary school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester, and senior status.**

**EDUC 4612 STUDENT
TEACHING: MUSIC
EDUCATION PRACTICUM (6)**

Introduction to teaching Music Education through conferences, observation, participation and supervised teaching in a secondary school setting in

grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience.

Prerequisites: Admission to the SOE, the professional semester, and senior status.

**EDUC 4614 STUDENT
TEACHING: SECONDARY
PHYSICAL EDUCATION
PRACTICUM (6)**

Introduction to teaching Secondary Physical Education through conferences, observation, participation and supervised teaching in a secondary school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester, and senior status.**

**EDUC 4615 STUDENT
TEACHING: SOCIAL STUDIES
EDUCATION PRACTICUM (6)**

Introduction to teaching Social Studies Education through conferences, observation, participation and supervised teaching in a secondary school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester, and senior status.**

VOED 4616 STUDENT TEACHING: TRADES AND INDUSTRIAL EDUCATION PRACTICUM (6)

Introduction to teaching Trades and Industrial Education through conferences, observation, participation and supervised teaching in a secondary school setting in grades 7-12. Each student is guided to assume the full responsibility for teaching during this full semester experience. **Prerequisites: Admission to the SOE, the professional semester, and senior status.**

Rehabilitation Services (RHAB)

The Rehabilitation Services curriculum offers a comprehensive program designed to prepare students to become rehabilitation generalists. The program will prepare students to address the changing needs of consumers with disabilities and prepare students for employment in a wide range of rehabilitation-related positions. Rehabilitation Services Courses (RHAB)

RHAB 2301 INTRODUCTION TO REHABILITATION (3)

This course is designed to provide a general orientation to the human services profession and to the rehabilitation field in particular. An overview of the structure of human services in

the United States is presented along with a focus on critical rehabilitation concepts and current issues.

RHAB 2310 INTRODUCTION TO REHABILITATION COUNSELING (3)

The primary purpose of this course is to provide students with a concrete framework for interpersonal communication in their work with consumers of rehabilitation and other human services. The course will focus on the knowledge, skills and attitudes necessary for the application of micro-counseling that includes the exploration, understanding and plan of action in addressing unique problem situations confronted by workers in human service settings. Special emphasis is placed on developing the skills of attending, listening and responding in ways that allow the student to engage in an effective helping relationship.

RHAB 3300 PHYSICAL AND PSYCHOSOCIAL ASPECTS OF DISABILITY I (3)

This course is the first of a two-part introductory survey of medical terminology, major disabling conditions, and the psychosocial and vocational aspects of adjustment to disability and chronic illness. In this course, the etiology, progressions, psychosocial and

vocational impact of disorders of the brain and sensory systems will be covered. The course also will review current research on response to stress and negative life events, as well as mind/body interaction in promoting or preventing health and wellness.

RHAB 3310 MEDICAL ASPECTS OF DISABILITIES (3)

This course is a survey of medical information relevant to human service workers. Emphasis is placed on causes, symptoms and functional limitations of physical and mental impairments and their impact on vocation. An overview of major body systems will be provided, including cardiovascular, respiratory, renal and urinary tract, endocrine, gastrointestinal, musculoskeletal, neurological, hearing, visual, and others. Medical terminology, preventive and treatment measures and rehabilitation implications are emphasized.

RHAB 3320 CASE MANAGEMENT IN REHABILITATION (3)

The purpose of this course is to provide students with a knowledge and understanding of the case management process in a variety of rehabilitation settings. Theoretical, legal, and ethical aspects of case management will be presented as well as practical, day-to-day application.

RHAB 3330 ASSISTIVE TECHNOLOGY (3)

This course focuses on items, pieces of equipment, or product systems that are used to increase, maintain or improve functional capabilities of individuals with disabilities.

RHAB 3340 CAREER DEVELOPMENT AND EMPLOYMENT (3)

This course focuses on the implications of the disability on employment. It includes basic career (job) development and career (job) placement skills and activities, job analysis, supported employment, transition services and labor market analysis.

RHAB 4300 ASSESSMENT IN REHABILITATION (3)

This course is designed to serve as the initial course in rehabilitation assessment (primarily vocational) that will provide rehabilitation studies for students with basic knowledge, and skills that will provide the attainment of basic knowledge, ability and skills to practice one's profession. Focus is upon measurement concepts, procedures and practices used in conducting a systematic appraisal of individuals with disabilities, including all spheres of functioning.

RHAB 4320 SEMINAR IN REHABILITATION (3)

This course is designed to increase application of skills learned in previous course work. A ten-week, 2-hour per day practicum is required for mid-level practicum.

RHAB 4330 LEGAL AND ETHICAL ISSUES IN REHABILITATION (3)

This course covers ADA, 503/504, ethical issues in counseling and case management, the Rehabilitation Act, client assistance programs and family, gender and multicultural issues as they relate to people with disabilities.

RHAB 4340 COMMUNITY RESOURCES AND ADVOCACY (3)

Overview of different models of community integrated employment, variations for different consumer populations and community based job development, job matching and situational assessment.

RHAB 4600 CLINICAL (6)

This course provides for a combination of clinical and practicum activities including on-campus seminars and workshops focusing on various professional topics. These seminars and workshops are conducted at the beginning and throughout the professional semester. This

course is a requirement for all Rehabilitation majors regardless. Prerequisites: Admission to the professional semester, senior status, and be within 4 hours of completing all other required course work.

RHAB 4651 PRACTICUM IN REHABILITATION STUDIES (6)

Representing the applied experience stage of the undergraduate program, this course is designed to provide students with supervised practical experience in appropriate rehabilitation settings. Emphasis is placed on the application of concepts, principles, and skills acquired in previous and concurrent courses. Supervised experiences related to the PRACTICUM provide the student with the opportunity to explore specific areas of career emphasis.

Agriculture Technology Education**B.S. Degree in Agricultural Technology Education**

This program is subject to modifications to satisfy state licensure requirements. The School of Agriculture, Fisheries and Human Sciences, in cooperation with the Department of Curriculum and Instruction, administers a curriculum in Agricultural Technology Education. Students must meet admission criteria to the teacher education program.

Family and Consumer Science Education

junior and senior high school students.

B.S. Degree Family and Consumer Science Education B.S. Degree

This program is subject to modifications to satisfy state licensure requirements.

Human Science Education

VOED 2352 HISTORY AND PRINCIPLES OF VOCATIONAL EDUCATION (3)

Deals with the historical background, concepts and developments in Vocational Education; clarifying its meaning and objectives, acquainting students with such federal legislation as the Smith-Hughes Act, the 1963 National Vocational Education Acts, 1968 and 1976 Amendments, the Morrill Act, Hatch Act and the Smith-Lever Acts. Students are required to complete 15 semester hours of field experiences.

VOED 4210 OCCUPATIONAL INFORMATIONAL AND VOCATIONAL GUIDANCE (2)

Designed to give the student a working knowledge of occupational information and the services of vocational guidance. Special emphasis placed on methods of securing, preparing, and presenting occupational information to

VOED 4321 VOCATIONAL EDUCATION CAREER ORIENTATION (Elective) (3)

Includes a study of the vocational guidance functions in elementary and secondary schools. Designed to provide fundamental factors and experiences about all occupations and the world of work; how to make a decision in a comprehensive study of the world of work; how to make a long range plan to pursue the occupation of your choice; and job placement. An inquiry into appropriate methods and procedures for teaching orientation at the secondary and/or post-secondary level.

Agricultural Technology Education Courses (VOED)

VOED 3323 MATERIALS AND METHODS IN TEACHING VOCATIONAL EDUCATION IN AGRICULTURE (3)

An inquiry into conditions and procedures that develop competencies in individuals engaged in production of agriculture and non-farming agricultural occupations at the secondary school level. Emphasis on methods and materials contributing to effective teaching of day school students and adult students.

VOED 4312 METHODS OF TEACHING AGRICULTURAL MECHANICS (3)

Emphasis on teaching procedures, the course calendar, managing agricultural classes in the agricultural shop and developing source units for use in Vocational Education in Agriculture. **Students are required to complete 15 hours of field experiences.**

VOED 4342 PROGRAM PLANNING IN VOCATIONAL EDUCATION IN AGRICULTURE (3)

Deals with the collection of data through surveys made in communities where student teaching is done. Principles, theory, and practices in the development of state and local programs of agriculture education based upon the new major objectives for Vocational Education in Agriculture.

Human Sciences Education Courses (VOED)**VOED 3220 MIDDLE SCHOOL HUMAN SCIENCES METHODS (2)**

Provides future teachers with an understanding of students at the middle school level; selection and organization of instructional techniques for that group. Special attention given to discovery and observation

techniques. Lecture: 2 hours per week.

VOED 4301 METHODS OF TEACHING HUMAN SCIENCES (3)

Selection and organization of instructional techniques, materials and media for use in teaching human sciences. Special attention given to problem solving, approaches to teaching human sciences, lesson and unit of planning. Observing of teaching at the high school level is required. Lecture: 3 hours per week. Students are required to complete 15 hours of field experiences. **Prerequisite: VOED 3220.**

Trades and Industrial Education Courses (VOED)**VOED 1353 EXPLORING TECHNOLOGY/ COMMUNICATION (3)**

Exploration of the major concepts related to the communications industry. Emphasis on student activities, demonstrating communications industry concepts and presenting exemplary education delivery systems. **Prerequisites: Freshman status in the major and approval of advisor and departmental head.**

VOED 1410 INDUSTRIAL ARTS (4)

Provides students with practical experiences in construction, estimating material and labor in the world of work.

VOED 2355 EXPLORING TECH. MANUFACTURING (3)

Explores major concepts related to manufacturing industry. Emphasis on student activities, demonstrating communications industry concepts and presenting exemplary educational delivery systems. Prerequisites: Sophomore status in major with approval from advisor and departmental head. Five thousand (5000) level course numbers recommended for participating teachers.

VOED 3354 EXPLORING TECH/ENERGY, POWER & TRANSPORTATION (3)

Explores major concepts related to energy, power, and transportation industry. Emphasis on student activities, demonstrating communications industry concepts and presenting exemplary educational delivery systems. Prerequisites: Senior status in major and approval from advisor and departmental head. Five thousand I (5000) level course numbers recommended for participating teachers.

VOED 4240 SHOP ORGANIZATION (2)

Acquaints students with some of the major problems facing those persons who work in a supervisory capacity. Special emphasis placed on organizing shops, methods of securing labor, handling labor and building up confidence to assume total responsibility for one's obligations.

VOED 4320 MATERIALS AND METHODS OF INDUSTRIAL EDUCATION (3)

Acquaints students with the methods of teaching vocational subjects. Special emphasis placed on methods of compiling information on teaching vocational subjects, securing equipment, books, magazines and other material needed to do a good teaching job.

VOED 4330 TRADE ANALYSIS (3)

Students majoring in trade education will be asked to analyze the trade they plan to teach and to give an outline of the trade and drafting projects necessary to teach them. Students majoring in Industrial Arts Education will be asked to prepare a course of study for teaching four or more shop units and mechanical drawing.

Department of Health, Physical Education and Recreation

Todd W. Garner, Chair

Associate Professors

Todd W. Garner
William Torrence
Garry Lewis

Assistant Professors

Felicia Taylor-Waller

Instructors

Betty Hayes-Anthony
James E. Johnson
LaTraia Jones
Lucretia Williams

Administrative Assistants

Carolyn Nance
Denika Smith

Aquatics Staff

Akeshia Robinson
Tyrell Meadows

The mission of the Department of Health, Physical Education and Recreation is to provide nationally accredited degree programs at the undergraduate and graduate levels. The department seeks to provide competent, professional personnel at the undergraduate and graduate levels for employment as physical educators, health educators, coaches and recreation providers

in public, private, volunteer, governmental agencies, and health care organizations.

Departmental Goals

The goals of the Department of Health, Physical Education and Recreation are as follows:

1. To provide optimal educational/ learning experiences for the preparation of teachers, coaches, health educators, recreation educators and related personnel;
2. To prepare students for graduate studies and further training in education, recreation and related areas;
3. To provide programs and services which enable students to acquire the additional preparation needed for changing career and for continuous growth; and
4. To provide effective personnel services in advising, certification, placement, and follow-up for undergraduates, graduates, and in-service educators.

General Departmental Information

Students majoring in physical education or recreation are assigned an advisor who will monitor their progress, assist in the selection of courses, offer solutions to possible problems, and make referrals when the need arises. Students are expected to consult their advisors on a regular basis or whenever they deem it necessary.

Appropriate uniforms are required for all physical education activity courses. All HPER majors are required to wear appropriate uniforms for major courses. In some courses students are required to purchase their equipment. Students must meet all institutional and School of Education requirements as presented elsewhere in the catalog.

All Health, Physical Education and Recreation Majors must complete the General Education Requirements and Health, Physical Education and Recreation Core. The student will choose either Teacher Licensure Option with Coaching Endorsement or Recreation/Wellness Option in order to complete the degree.

Bachelor of Science Degree: Health and Physical Education, K-12 Teacher Licensure Option with Coaching Endorsement Teacher Education Preparation Major Assessment Measures

All prospective teaching majors in the HPER Department will meet the minimum standards as established by Arkansas Department of Education for Educator License.

Students must have earned a letter grade of "C" or higher in:

- ENGL 1311 English Composition I ;
- ENGL 1321 English Composition II;
- MCOM 2390 Oral Communication;
- MATH 1330 College Algebra or MATH 1360 Qualitative Literacy (or a higher mathematics course); and
- EDUC 1300 Foundations & Development of American Education.

**Degree Requirements: Teacher
Licensure Option with
Coaching Endorsement**

HLPE 4317 Drug Education
HLPE 4319 Kinesiology
HLPE 4320 Exercise Physiology
HLPE 4393 Exercise Assessment

**GENERAL EDUCATION
REQUIREMENTS: 45 HOURS
(Must Complete)**

All students must take and complete the required General Education Requirements as indicated by the University of Arkansas at Pine Bluff. ***All HPER Majors will take and pass with a C or better HLPE 1112 or HLPE 1113 – Swimming.***

**HEALTH, PHYSICAL EDUCATION
AND RECREATION CORE: 37
HOURS (Must Complete)**

The Department has Health, Physical Education and Recreation Core. The Core is composed of 37 hours that cover skills, knowledge and understanding of the subject matter for the major.

All HPER Majors will take the following courses:

HLPE 2202 Dance/Gymnastics
HLPE 2210 History of HPER
HLPE 2393 Structural Kinesiology
HLPE 3219 Aerobics/Physical
Fitness for Majors
HLPE 3220 First Aid/CPR
HLPE 3224 Health Education
HLPE 3226 Motor Learning
HLPE 3228 Individual & Dual Sports
HLPE 3229 Team Sports
HLPE 3328 Coaching Theory
HLPE 4311 Organization and
Administration of HPER

**TEACHER LICENSURE OPTION
WITH COACHING
ENDORSEMENT: 43 HOURS**

The Teacher Licensure Option with Coaching Endorsement has courses that meet the requirements to earn and obtain a Teacher's License. The Teacher's License will follow the Arkansas Department of Education requirements. The School of Education and its teacher licensure program adhere to the Arkansas Department of Education Educator's License requirements, policies, and guidelines including the required EXAMS for licensure. The following courses are needed to complete the Teacher's License requirements.

HLPE 3221 Care and Prevention
HLPE 4312 Adaptive PE
HLPE 4313 Elementary PE
HLPE 4314 Secondary PE
HIST 3300 Arkansas History
EDUC 1300 Foundations of Ed
SPED 2300 Survey of Exceptional
Child
EDUC 2309 Instructional Media
EDUC 3236 Cultural Diversity
EDUC 3302 Psychology of
Learning and Teaching
EDUC 3303 Classroom Behavioral
Management
EDUC 4600 Professional
Semester: Clinical
EDUC 4614 Professional
Semester: Practicum

CURRICULUM FOR BACHELOR OF SCIENCE
Health & Physical Educ.: Teacher Educ. K-12 Option Teaching Licensure

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR (33)							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
College Algebra	MATH	1330	3	Humanities Elective			3
Personal Social Development	BAS	1210	2	Foundations of Education	EDUC	1300	3
Career Life Planning	BAS	1120	1	Physical Science	CHEM	1411	4
Biological Science	BIOL	1350	3	Social Science Elective			3
Biological Science Lab	BIOL	1150	1	Co-ed Swimming	HLPE	1112	1
Personal Health and Safety	HLPE	1310	3				
			16				17
SOPHOMORE YEAR (32)							
Oral Communication	MCOM	2390	3	Social Science Elective			3
Structural Kinesiology	HLPE	2393	3	Dance/Gymnastics	HLPE	2202	2
Humanities Elective			3	Cultural Diversity	EDUC	3235	2
Survey Exceptional	SPED	2300	3	Instructional Media	EDUC	2309	3
Literature	ENGL	2300	3	U.S. History	HIST		3
History/Principle HPER	HLPE	2210	2	First Aid/CPR	HLPE	3220	2
			17				15
JUNIOR YEAR (33)							
Health Education	HLPE	3224	2	Team Sports	HLPE	3229	2
Individual Sport	HLPE	3228	2	Kinesiology	HLPE	4319	3
Motor Learning	HLPE	3226	2	Adaptive PE	HLPE	4312	3
Drug Education	HLPE	4317	3	Aerobics/Fitness Major	HLPE	3219	2
Coaching Theory	HLPE	3328	3	Secondary PE	HLPE	4314	3
Classroom Behavioral	EDUC	3303	3	Care/Prev/Athl Injuries	HLPE	3221	2
Arkansas History	HIST	3300	3				
			18				15
SENIOR YEAR (27)							
Organization HPER	HLPE	4311	3	Student Teaching**	EDUC	4600	6
Elementary PE, P-8	HLPE	4313	3	Student Teaching**	EDUC	4614	6
Exercise Physiology	HLPE	4320	3				
Exercise Assessment	HLPE	4393	2				
Psychology Learning	EDUC	3302	3				
			15				12

Coaching Endorsement (Teacher Licensure Requirement) – 23 hours

The Coaching Endorsement is associated with individuals who want and plan to coach in an educational setting and are not pursuing licensure in Physical Education and Health. The endorsement will be attached to an individual's Teacher License. The individual must hold a current Arkansas Teacher Licensure Certification or be eligible to hold the standard six-year certificate and meet the coaching certification requirements established by the Arkansas Department of Education.

HLPE 2393 Structural Kinesiology (3hrs) Prerequisite for some courses.*

HLPE 3221 Care and Prevention of Injuries (2hrs)

HLPE 3226 Motor Learning (2hrs)

HLPE 3228 Team Sports (2hrs)

HLPE 3229 Individual and Dual Sports (2hrs)

HLPE 3328 Coaching Theory (3hrs)

HLPE 4311 Org/Admin of HPER (3hrs)

HLPE 4317 Drug Education (3hrs)

HLPE 4319 Kinesiology (3hrs)

HLPE 4320 Physiology of Exercise (3hrs)

Bachelor of Science Degree: Health and Physical Education, Recreation/Wellness Option

Non-Teaching Major Assessment Measures

All recreation majors must have a minimum grade point average of 2.00 on a 4.00 scale, score 70% or above on Senior Comprehensive Exam and meet all institution requirements for graduation. *The Senior Comprehensive Exam is administered in the RECR 4600 Recreation Fieldwork Internship or RECR 4601 Recreation Fieldwork Internship.*

Degree Requirements: Recreation/Wellness Option

GENERAL EDUCATION REQUIREMENTS: 45 HOURS (Must Complete)

All students must take and complete the required General Education Requirements as indicated by the University of Arkansas at Pine Bluff. ***All HPER Majors will take and pass with a C or better HLPE 1112 or HLPE 1113 – Swimming.***

**HEALTH, PHYSICAL
EDUCATION AND
RECREATION CORE: 37
HOURS (Must Complete)**

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 HLPE 2210 History of HPER
 HLPE 2393 Structural Kinesiology
 HLPE 3219 Aerobics/Physical
 Fitness for Majors
 HLPE 3220 First Aid/CPR
 HLPE 3224 Health Education
 HLPE 3226 Motor Learning
 HLPE 3228 Individual and Dual
 Sports
 HLPE 3229 Team Sports
 HLPE 3328 Coaching Theory
 HLPE 4311 Organization and
 Administration of HPER
 HLPE 4317 Drug Education
 HLPE 4319 Kinesiology
 HLPE 4320 Exercise Physiology
 HLPE 4393 Exercise Assessment

**RECREATION/WELLNESS
OPTION: 38 HOURS**

The Wellness Option is designed for individuals who want to pursue careers in Fitness Industry, Parks and Recreation Industry. It will develop an individual's ability to lead large and small groups in a wide range of activities. In some courses, each individual can obtain certification as an instructor, if all requirements are met.

RECR 2300 Therapeutic
 Recreation
 RECR 2301 Outdoor Recreation
 RECR 3231 Primary Lead-up
 Games
 RECR 3322 Program Planning
 RECR 3321 Leadership/Group
 Dynamics
 RECR 3329 Design Management
 HLPE 3222 Sport Officiating

CURRICULUM FOR BACHELOR OF SCIENCE
Health & Physical Educ.: Recreation & Wellness Degree Option (Non-Teaching)

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR (31)							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
College Algebra	MATH	1330	3	Humanities Elective			3
Personal Social Development	BAS	1210	2	Social Science Elective			3
Career Life Planning	BAS	1120	1	Physical Science	CHEM	1411	4
Biological Science	BIOL	1350	3	PE Activity	HLPE	111-	1
Biological Science Lab	BIOL	1150	1	Swimming	HLPE	1112	1
Personal Health and Safety	HLPE	1310	3				
			16				15
SOPHOMORE YEAR (29)							
Oral Communication	MCOM	2390	3	General Psychology	PSCY	2300	3
Structural Kinesiology	HLPE	2393	3	Humanities Elective			3
Therapeutic Recreation	RECR	2300	3	U.S. History	HIST		3
Intro to Literature	ENGL	2300	3	First Aid/CPR	HLPE	3220	2
History/Principle HPER	HLPE	2210	2	Primary Games	RECR	3221	2
				Dance/Gymnastics	HLPE	2202	2
			14				15
JUNIOR YEAR (30)							
Health Education	HLPE	3224	2	General Electives			3
Individual Sport	HLPE	3228	2	Outdoor Recreation	RECR	2301	3
Motor Learning	HLPE	3226	2	Team Sports	HLPE	3329	2
Drug Education	HLPE	4317	3	Kinesiology	HLPE	4319	3
Coaching Theory	HLPE	3328	3	Physical Fitness	HLPE	3219	2
General Elective			3	Sports Officiating	HLPE	3222	2
			15				15
SENIOR YEAR (30)							
Organization HPER	HLPE	4311	3	Field Experience	RECR	4600	6
Program Planning	RECR	3322	3	Design Management	RECR	3329	3
Exercise Physiology	HLPE	4320	3	General Electives			6
Leadership Training	RECR	3321	3				
Exercise Assessment	HLPE	4393	3				
			15				15

MINORS:**Wellness – MINOR-18 hours**

Wellness minor will be for individuals who have aspirations of working in the fitness industry.

HLPE 2393 Structural Kinesiology (3hrs)

HLPE 3221 Care and Prevention of Injuries (2hrs)

HLPE 3226 Motor Learning (2hrs)

HLPE 3231 Aerobics/Fitness for Majors/Minors (2hrs)

HLPE 4319 Kinesiology (3hrs)

HLPE 4320 Physiology of Exercise (3hrs)

HLPE 4393 Exercise Assessment (3hrs)

Recreation – MINOR-18 hours

The Recreation minor will be for individuals who want to work in the parks and recreation industry.

RECR 2300 Therapeutic Recreation (3hrs)

RECR 2301 Outdoor Recreation (3hrs)

RECR 3321 Leadership in Recreation (3hrs)

RECR 3322 Program Planning (3hrs)

RECR 4302 Legal Liability in Recreation (3hrs)

HLPE 4311 Org/Admin of HPER (3hrs)

Health, Physical Education and Recreation Courses (HLPE)**HLPE 1110 FLAG FOOTBALL AND VOLLEYBALL (1)**

Development of the basic skills, techniques and knowledge involved in the games of flag football and volleyball.

HLPE 1111 COED BASKETBALL AND SOFTBALL (1)

Development of the basic skills, techniques and knowledge involved in the games of basketball and softball.

HLPE 1112 COED BEGINNER SWIMMING (1)

Designed to equip the student (non-swimmer) with basic water safety skills in order to make him/her reasonably safe. Follows the American Red Cross outline and sequential treatment of skills. Students successfully completing the course receive the Red Cross Certificate.

HLPE 1113 ADVANCED BEGINNER SWIMMING (1)

Designed to increase swimming ability by adding to the skills learned in the beginner course. Follows the American Red Cross outline. Students successfully completing the course receive the Red Cross Certificate.

HLPE 1114 COED PHYSICAL FITNESS/AEROBICS (1)

Introduces the benefits to be gained from regular exercise and weight measurement programs. Assists students in planning their exercise and nutrition program. Includes a wide variety of exercises, including aerobic exercises.

HLPE 1115 COED WEIGHT TRAINING (1)

An introduction to weight training. Provides a sound, basic understanding of the history, techniques, skills and safety of the sport of weight training.

HLPE 1116 COED BEGINNING TENNIS (1)

Emphasis on rules, scoring, selection of racket, grips, footwork, and body positioning. Concentrates on forehand, backhand, serve, net volley, lob, fundamental strategy and techniques of singles and doubles play. Students must furnish tennis racket and balls.

HLPE 1117 COED BEGINNING RACQUETBALL (1)

Emphasis upon rules, scoring, selection of racket, grip, footwork, body positioning, serve, strategy and safety. Student is required to provide racquetballs and his/her own pair of eye protectors.

HLPE 1118 COED BEGINNING GOLF (1)

Fundamental knowledge, techniques and skills necessary for developing

appropriate skill performance. Concentration upon rules and etiquette, use of two woods and three irons, grip, stance, back swing, head position, following through and putting. Course taught at Pine Bluff Jaycee's Golf Course.

HLPE 1119 COED RECREATIONAL SPORTS (1)

Fundamental knowledge, techniques and skills necessary for the development of selected recreational sports. (Badminton, pickle ball, table tennis, paddle tennis.)

HLPE 1123 COED WATER AEROBICS (1)

Designed to provide benefits from regular aquatic exercises for individuals with disabilities.

HLPE 1124 COED RECREATIONAL FISHING (1)

This course is a basic introduction to recreational fishing. Students will learn the skills, equipment and techniques needed to be successful anglers. Students will also learn basic biology, ecology and laws related to fishing. This course includes several in-class fishing trips to local waters. A valid Arkansas Fisheries Conservation License (fishing license) is required.

HLPE 1125 COED BOWLING (1)

Designed to teach the fundamental skills of bowling to college students with emphasis on rules, scoring, footwork, and ball selections.

HLPE 1310 PERSONAL HEALTH AND SAFETY (3)

Study of correct living, including fundamental biological facts and aspects of human behavior as they affect individual health, conduct, and mental hygiene; agents of disease and modern scientific methods of controlling disease.

HLPE 2202 DANCE, RHYTHMIC ACTIVITIES AND GYMNASTICS (2)

Designed to teach the basic locomotor skills of dance, movement and gymnastics. A Movement Education approach is utilized as the basic instructional format in a lab setting.

HLPE 2210 INTRODUCTION HISTORY AND PRINCIPLES OF HEALTH, PHYSICAL EDUCATION, AND RECREATION (2)

A study of the history, philosophy and principles of physical education, recreation and leisure as related to general education.

HLPE 2393 STRUCTURAL KINESIOLOGY (2)

This course is designed to provide an introductory study of the structure, function and application of the physiological systems, particularly the musculoskeletal system used to evaluate or determine physical performance.

HLPE 3219 PHYSICAL FITNESS AND AEROBICS (2)

Covers fundamental and current topics in physical fitness, diet and stress. Students assisted in developing individual levels of physical concepts, gaining knowledge and skill of exercises to aid in performance, and understanding the significance of lifestyle on health and fitness. Provides training to complete the American Council on Exercise certification programs in Personal Training and Group Instruction.

HLPE 3220 FIRST AID/CPR (2)

Prepares persons to make appropriate decisions and administer emergency first aid and cardiopulmonary resuscitation to victims of serious bleeding, poisoning, shock, fracture, and other forms of injury until emergency medical services personnel arrive at the scene.

HLPE 3221 CARE AND PREVENTION OF ATHLETIC INJURIES (2)

Care, prevention and treatment of athletic injuries to various parts of the body; taping and wrapping, laboratory practicum activities; exercise therapy techniques and basic understanding necessary to sound exercise programs.

HLPE 3222 SPORTS OFFICIATING (2)

Development of the skills and basic knowledge of officiating football, basketball, track and field.

HLPE 3224 HEALTH EDUCATION (2)

Deals with the general program of health education in the schools.

HLPE 3225 SAFETY EDUCATION (2)

Safety needs and practices in the home and on the highways and streets, in schools, on playgrounds and in industry.

HLPE 3226 MOTOR LEARNING (2) Prerequisite: HLPE 2393 Structural Kinesiology

A review of the current theories of motor performances with emphasis on the hereditary and environmental determinants of motor development in children and adults.

HLPE 3228 INDIVIDUAL AND DUAL SPORTS (2)

Development of the basic skills, techniques, strategies, and knowledge involved in the teaching of individual and dual sports such as track and field, tennis, golf, badminton, and racquetball.

HLPE 3229 TEAM SPORTS (2)

Development of the basic skills, techniques, strategies, and knowledge involved in the teaching of team sports such as

football, basketball, volleyball, softball, and soccer.

HLPE 3328 COACHING THEORY (3)

A philosophical, psychological orientation to the role of competitive sports in schools, colleges and recreational institutions. Emphasis placed on the organization and administration of coaching programs.

HLPE 3231 PRIMARY AND LEAD-UP GAMES FOR CHILDREN (2)

Emphasis on selecting primary and lead up games for children, student-designed games, and considerations when teaching games. Stresses evaluation techniques and procedures. Includes 15 hours of field experiences in the public school.

HLPE 4311 ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION, RECREATION AND ATHLETIC PROGRAMS (3)

Designed to assist in professional preparation of students who plan to teach physical education or to coach and/or to work in recreation. Emphasis is placed on the skills required in organizing, implementing and evaluating physical education, recreation and athletic programs.

HLPE 4312 METHODS AND MATERIALS OF ADAPTIVE PHYSICAL EDUCATION (3)

Designed to acquaint students with knowledge of psychological, behavioral and neurological aspects of the learning disabled individual. Emphasis placed on methods of evaluation, diagnosing and prescribing physical education and/or recreational activities for the exceptional student.

HLPE 4313 METHODS AND MATERIALS OF ELEMENTARY PHYSICAL EDUCATION (3)

Provides the elementary school classroom teacher and physical education teacher with a knowledge base in motor development, elementary physical education curriculum planning (including annual, unit, and daily lesson plans), and appropriate selections of physical education activities for children.

HLPE 4314 METHODS AND MATERIALS OF SECONDARY PHYSICAL EDUCATION (3)

Provides teachers and prospective teachers an opportunity to acquire the skills necessary to design and implement effective instructional programs in secondary school physical education, including middle schools, junior and senior high schools.

HLPE 4317 DRUG EDUCATION (3)

An in-depth study of drug education designed to assist teachers, administrators and other special interest groups in presenting drug education programs. Designed to expand the health educator's knowledge of drug issues as they are influenced by laws, public opinion and scientific knowledge of drug issues as they are influenced by laws, public opinion and scientific knowledge; extensive study of current controversial issues in drug education.

HLPE 4319 KINESIOLOGY (3)

Prerequisite: HLPE 2393

Structural Kinesiology and HLPE 3226 Motor Learning.

Provides the student with a knowledge base of the human body as a machine for the performance of work. Students learn how to analyze the movements of the body and the underlying principles associated with movement. Helps prepare students to teach effective performance in fundamental and specialized motor skills and to evaluate exercises and activities in terms of their effect on the human structure.

HLPE 4320 PHYSIOLOGY OF EXERCISE (3) Prerequisite: HLPE 2393 **Structural Kinesiology and HLPE 3226 Motor Learning**

A study of the effects of exercise on the human body with emphasis on the respiratory and muscular systems.

HLPE 4393 EXERCISE ASSESSMENT (3)**Prerequisite: HLPE 2393 Structural Kinesiology and HLPE 3226 Motor Learning**

This course is designed to provide training in measurement and evaluation of physical education courses and programs. Emphasis is placed on collection, organization and analysis of test scores. Emphasis is also placed on construction and analysis of standardized and teacher made tests.

Recreation Courses (RECR)**RECR 1300 INTRODUCTION TO RECREATION & LEISURE SERVICES (3)**

Theoretical, philosophical, and historic foundations of recreation and therapeutic recreation. A study of the concepts of recreation, leisure and play as they relate to individual, community, and municipal recreation with a survey of major services and settings.

RECR 2300 THERAPEUTIC RECREATION (3)

This course provides a historical foundation in therapeutic recreation. It examines the relationship with other health care services, therapeutic recreation process, overview of laws, regulations and standards at all levels that impact special need persons. (Practicum hours are required).

RECR 2301 INTRODUCTION TO OUTDOOR RECREATION (3)

Examination of the meaning, scope and value of outdoor recreation education. A critical analysis of the historic development, current status, and changing patterns of public policy in outdoor recreation. Application of techniques and principles of developing and providing a comprehensive outdoor recreation program. (Practicum hours are required).

RECR 3231 PRIMARY AND LEAD-UP GAMES FOR CHILDREN (2)

Emphasis on selecting primary and lead up games for children, student-designed games, and considerations when teaching games. Stresses evaluation techniques and procedures. Includes 15 hours of field experiences in the public school.

RECR 3321 LEADERSHIP TRAINING AND GROUP DYNAMICS (3)

Designed to provide students with skills and techniques necessary to function as leaders in recreation. Analysis of recreation program activities, objectives, determinants, and group dynamics involved in the leadership process.

**RECR 3322 PROGRAM
PLANNING IN RECREATION (3)**

Principles, techniques, and innovations in contemporary recreation programming as they relate to commercial, private and public organizational systems. Experience in planning and conducting recreational activities, programming techniques, publicity and promotion, faculty utilization, equipment, safety, liability and program activities, including individuals with special needs.

**RECR 3329 DESIGN &
MANAGEMENT OF RECREATION
LEISURE SERVICES (3)**

Introduction to the principles and practices of designing and managing practical and functional recreation systems with an emphasis on management of playgrounds, golf courses, swimming pools, and sports centers, including consideration for use by the handicapped.

**RECR 4301 RESEARCH IN
RECREATION (3)**

Designed to introduce students to research methods, techniques, and interpretive skills.

**RECR 4302 LEGAL LIABILITY IN
RECREATION (3)**

Responsibilities of leisure services and analysis of legislation which promote and influence delivery of leisure services population for leisure in the rehabilitation process and the role of various intervention strategies in the leisure education process.

**RECR 4305 CAMP
COUNSELING (3)**

Role of counselors in relation to objectives, organizations, guidelines, leadership skills, and program resources in successful camping.

**RECR 4600 RECREATION
FIELDWORK INTERNSHIP (6)**

Designed to provide students studying in the field of recreation and leisure services with full-time exposure to the profession in an on-the-job setting. Provide students the opportunity to apply theoretical knowledge base information to practical situations. **Senior Comprehensive Exam is part of the internship.**

**RECR 4601 RECREATION
FIELDWORK INTERNSHIP (6)**

Designed to provide students studying in the field of recreation and leisure services with full-time exposure to the profession in an on-the-job setting. Provide students the opportunity to apply theoretical knowledge base information to practical situations. **The Senior Comprehensive Exam is part of the internship.**

CAROLYN F. BLAKELY HONORS PROGRAM

Sheena T. Meadows
Director

Nashanda Brown
Administrative Specialist

The Honors Program at the University of Arkansas at Pine Bluff is a unit for academically oriented and motivated students. It offers a planned set of arrangements to serve the needs of talented, gifted, and committed students who are receptive to serious academic challenges. While there are established criteria for participation in the program, students who exhibit a serious interest and commitment will not be ignored if they do not meet all of the requirements.

The courses of the Honors Program are offered by the various academic departments of the University. The honor students' academic program includes honors sections of existing courses and contract course work.

Admission to the Honors Program

Students may submit written applications for admission to the Honors Program. In special instances, the Dean may consult with the Honors Program Advisory Committee. The admission criteria are listed below.

Freshmen: High school graduates with an ACT score of 21 or higher, with an excellent high school academic record (3.25 GPA. or higher class ranking) and with superior aptitude for academic achievement will be considered.

Sophomores: Sophomore students whose profiles give evidence of satisfying the requirements listed below will be considered:

- A cumulative GPA of 3.25
- A strong recommendation from the advisor or chair

Juniors: Under special conditions juniors may enter the Honors Program by meeting the criteria designated for sophomore students; however, students having less than three semesters remaining for undergraduate study will not be admitted. Seniors are not admitted to the program.

Transfer Students: Transfer students may apply for admission after one full regular session at the University and must satisfy the same criteria as UAPB students.

It is expected that the honor students will maintain a minimum grade point average of 3.25. Each semester the Dean reviews the academic performance of Honors Program students. The students retained in the program are expected to give evidence from their participation that they are receiving some benefit consistent with Honors Program objectives.

Special Features of the Honors Program

- An Honors Suite - - Honors Program students have access to a suite which includes state-of-the art equipment and a private study area.
- Library privileges - - Honors Program students have library privileges equivalent to those of the faculty, which are approved through the Dean's office.
- Honors Residence Hall - - A unit at Johnny B. Johnson Residential Complex has been reserved for Honors Program students. Honors housing provides special opportunities for honor students, including project collaboration, studying together, and sharing intellectual and social growth.
- Honors Program students may be provided special educational enrichment experiences through cooperative programs with other institutions and agencies.
- Honors Program students may be provided extracurricular enrichment experiences.
- Selected Honors Program students are provided an opportunity to participate in regional and national honors conferences.

- Recognition of the students' participation in the Honors Program will be designated on all official records at Commencement, Honors and Awards Convocation and other appropriate occasions.
 - Honors Program students may competitively earn Honors College blazers.
5. To generally symbolize UAPB's commitment to excellence by augmenting the public image of the University as a place where superior scholarship is honored and encouraged;
 6. To give faculty members the intellectual reward that derives from working with gifted students;
 7. To provide opportunities for students to associate with students of similar motivations and interests;

Goals and Objectives

1. To stimulate creativity, intellectual curiosity and critical evaluation of ideas and behavior in course seminars and forums;
2. To enhance the skills of research, writing, speaking, and critical thinking;
3. To develop the capacity for independent learning;
4. To provide academic opportunities of such caliber that students are challenged to perform at the highest level at which they are capable and through which they may become independent learners;
8. To assist in attracting students of outstanding academic ability who are assessed for their participation in the honors programs and for their contributions in leadership roles;

UNIVERSITY COLLEGE

Janice Coleman, Dean

University College was instituted at the University on July 1, 1982. Its purpose is to mobilize the educational resources of the University as a whole in order to deliver more effectively the common body of education needed by all students regardless of their future educational, vocational, or professional goals. University College is comprised of the Departments of Basic Academic Services and Academic Skills and Developmental Services, the TRIO Student Support Services Program, and the General Studies Degree Program.

A primary goal of University College is to assist all incoming students in making a smooth transition to the collegiate environment and to provide the necessary academic support programs and services to facilitate their achievement, persistence, and success. The following support programs are accessible to all incoming students: New student orientation; academic advising and registration; follow-up advising; first year seminars; reading instruction and laboratory reinforcement for students with

special needs in reading; tutorial assistance in reading, mathematics, and English; opportunities to participate in learning clusters/communities and opportunities for leadership development through student organizations.

The University College student is required to complete the state minimum core curriculum that is designed to provide an opportunity for each student to acquire an understanding of the humanities, social sciences, and natural sciences, and to develop communication and quantitative skills as required for success in college. More especially, the core curriculum is designed to provide the basis for successful studies in upper division programs.

Enrollment in University College

All first-time entering freshmen officially admitted to the University as degree-seeking students are automatically enrolled in University College. Transfer students who have not completed the equivalent of UAPB's general education requirements are automatically enrolled in University College.

Students remain in University College until they formally exit.

Exit from University College

To exit University College (UC), a student must meet the following criteria:

1. Completion of all general education requirements, which consist of the State Minimum Core Curriculum and the Institutional Requirements. Institutional requirements include Personal and Social Development (BAS 1210); Career and Life Planning (BAS 1120); HPER activity courses (one course, from HLPE 1110-1125); Health and Safety HLPE 1310) or Nutrition (HUSC 1311); and Literature 2300, 2360, or 2361;
2. Completion of CAAP or University College Exit Exam. Students must complete the Collegiate Assessment of Academic Proficiency (CAAP), also known as “The Rising Junior Examination,” or the University College Exit Examination;
3. Completion of the English Proficiency requirement. A passing score on the English Proficiency Examination is a requirement for exiting University College. For students admitted to the University during Fall 2000 and thereafter, this requirement is satisfied by completing English Composition I (ENGL 1311) at UAPB with a grade of “C” or higher. Students completing English Composition I on other campuses are required to take and pass the English Proficiency Examination. Education majors may satisfy this requirement by a passing score on the PRAXIS Writing Exam; and
4. Process Exit Form. Students should report to the Office of University College and complete a request to exit University College. The Office verifies that all requirements are satisfied. (Students who have completed in excess of 70 credit hours must obtain written verification from their departmental chairperson/advisor that they have completed all general education requirements.) An “Exit Form” is then processed. A copy of the form is provided for the student and his/her departmental chairperson, and the student’s name is recorded in a database that is maintained by the Office of the Dean of University College.

Basic Academic Services

Mary D. Brentley

Assistant Professor/Coordinator

Instructor/Counselors

Bobbie J. Bradley
 Florence M. Caine
 Annette Fields
 Cedric Jackson
 Alia Reeves

Administrative Specialist III

Ta'Yanna Dandridge

The Basic Academic Services (BAS) program at UAPB assists new and transfer students in adjusting to college life. To aid students in their adjustment, BAS conducts the following freshman-centered activities:

- plans and implements a series of orientation activities;
- provides registration advising to freshmen (students with less than 30 semester hours);
- provides follow-up advising and counseling to freshmen;
- coordinates and provides teaching personnel for two orientation courses;

- offers a number of opportunities for students to develop leadership skills;
- coordinates, reports and interprets scores for and assists in the administration of University College assessment activities;
- refers students to other campus units, sources and personnel relative to tutorial assistance and other support services; and
- performs research and evaluation relative to University College students' total academic life, BAS program performance, and student performance on University College Assessments.

All freshmen (students with less than 30 semester credit hours) are assigned an academic advisor from the Basic Academic Services unit. To obtain the name of his/her assigned advisor, a student should report to the BAS office, Room 150, Corbin Hall, or call (870) 575-8356.

Transfer students with less than 30 semester credit hours should report to BAS for review of their transcripts and advisement. Transfer students who have completed more than 30 credit hours and who have not declared a major should report to the office

of the Dean of University College for review of transcript and academic advisement.

The two orientation courses, Personal and Social Development (BAS 1210) and Career and Life Planning (BAS 1120), are required of all degree-seeking students. The two courses cannot be waived. A weekly (each Tuesday or Thursday) laboratory is part of the Personal and Social Development course. As such, attendance at the lab is required. The courses should be taken during the first two semesters of matriculation at the University of Arkansas at Pine Bluff.

Basic Academic Services (BAS) Courses

BAS 1210 PERSONAL AND SOCIAL DEVELOPMENT (2)

Personal and Social Development is a course designed to provide experiences to enhance the development of behaviors that are characteristic of successful college students. The course will encourage students to explore the context of the UAPB undergraduate experience through the perspective of their own learning community participation. Experiences center on developing social and academic skills: (1) cognitive behaviors such as critical thinking, test-taking, use of the library; (2) affective behaviors such

as concepts of good mental and emotional health, attitudes, values, and interest patterns; (3) psychomotor skills such as note-taking, listening, and time management; and (4) use of technology, campus resources, and support services to achieve personal success. It will also help students develop an understanding and appreciation for UAPB's role in higher education through an exploration of the University's heritage (history, mission, philosophy, and goals).

BAS 1120 CAREER AND LIFE PLANNING (1)

Career and Life Planning is a course designed to provide experiences to help individuals develop skills and strategies in making sound career-related decisions based upon personal interests, skills, abilities, and values. This course is also designed to help students move from "job seeker" to "job finder" through its comprehensive step-by-step guide to finding and keeping a job. Students will become engaged in activities such as: the job search process, marketing, networking, finding job leads, writing resumes, cover letters, interviewing and ultimately taking charge of his/her career.

Emphasis will be placed on self-assessment, the investigation of career materials and resources,

decision-making relative to the academic majors, career selection, career planning, and the use of technology in career planning and career exploration.

Academic Skills and Developmental Services

Jerry Lewis, Coordinator

Reading Instructor

Janette Johnson

Laboratory Technician

Yves Celestin

Administrative Specialist II

Ketra Ross

Special services, including COMPASS placement testing, and other resources are available through the Academic Skills and Developmental Services Program for students with special needs in reading.

Reading Laboratory

The Reading Laboratory provides computerized instructional services and resources for students enrolled in Basic Reading (ASDS 1213). Various software programs provide instruction in comprehension and vocabulary development. The laboratory is located in Room 233 in Corbin Hall.

ASDS1213 BASIC READING I (2)

Basic Reading 1213 is designed to aid and instruct students whose entering scores on various entrance and placement tests (ACT, SAT, and COMPASS) indicate a possible need for further development and instruction in comprehension, vocabulary, and reading rate. Students must have a passing class average and obtain the minimum state-required score on a standardized reading exit test in order to pass the course.

TRIO Student Support Services

Donna Mooney, Director

Mathematics Specialist

Julia Hadley

Reading Specialist

Emma Allen

English Specialist

Krandon Henry

Academic Advisement Specialist

Janet Bell

Administrative Specialist III

Dora Jones

The Student Support Services Program is a TRIO Program funded by the U.S. Department of Education to provide academic and other supportive services for students enrolled at

UAPB. More specifically, the program provides students with individual or small-group tutoring in the areas of English, reading, and mathematics. Other services provided include academic, personal, career and financial guidance. Students accepted for enrollment must meet at least one of the following criteria:

- First-generation and low-income
- Low-income
- First-generation
- Student with a disability

Bachelor of General Studies Program

Cheryl Hutchins **BGS Coordinator/Instructor**

The Bachelor of General Studies (BGS) is a four-year baccalaureate degree program offered by the University College. The BGS program is designed to meet the needs of the non-traditional student. Traditional students may be considered for admission based on unique circumstances.

The overall mission of the program is to increase the retention and graduation rates of students enrolled in and pursuing baccalaureate degrees at the University while

fostering a supportive institutional climate.

This flexible program is especially attractive to students who feel that the current curriculums do not meet their educational needs. It provides freedom for students who wish to design their own educational programs. Students who graduate with the BGS will have basic preparation needed to pursue careers in many fields. For students who already have careers, degrees, or jobs, the BGS can help provide additional learning experiences and/or enhance their chances for job promotion and advancement. The BGS may be used also (1) to satisfy an interest in a variety of areas appropriate to general education, or (2) to pursue broad concentration in an academic area such as the humanities, social sciences, the natural sciences, and mathematics by combining courses from different disciplines.

The BGS may not be combined with a regular major or field of concentration. However, any of the minors offered at the University may be taken as part of the BGS.

The BGS requires a total of 120 semester credit hours. Students who enroll in the BGS program must complete the University's general education and institutional requirements. In addition, 45 to 60

of the 120 hours must be upper-level courses (3000-3999; 4000-4999). No credit will be allowed for duplication of courses.

Students must complete the degree with at least a 2.0 out of a possible 4.0 cumulative grade point average, which includes having a 2.0 or higher average in his or her area(s) of concentration. However, students are reminded that some graduate and/or professional schools may require a higher average to be admitted. University requirements regarding residence, prerequisites, reading, English, mathematics, comprehensive exams, English Proficiency Exams, and other required exams apply to this degree. No more than 26 semester hours in any discipline may be counted toward the 120 credit hours required for graduation. Any exception would have to be approved by the Dean of University College and the Vice Chancellor for Academic Affairs. Please note that minors are not offered in General Studies.

Prior Learning Assessment

Students may earn prior learning experience credit (up to 10 hrs.) after successful completion of an approved Portfolio and Experiential Learning Essay. Prior Learning Assessment Seminar 3300 must be taken prior to applying for

such credit. This course will outline the necessary procedures to follow in order to gain credit (See Course Description).

Program Admission and Curriculum Requirements

Program Admission

To be admitted to the General Studies Program, a student must have completed at least 30 semester hours with a minimum of a 2.0/4.0 GPA. The applicant should *not* have been enrolled full-time or part-time in any baccalaureate degree program during the year prior to applying for admission to the BGS program. The applicant should have a history of full-time employment during one or more of the past five years. All applicants must participate in a personal interview with the BGS admissions committee. Applicants must write, at the interview, a one-page essay detailing why they would like to be admitted to the program, their educational and career goals, their area of concentration, and how the program will lead to the accomplishment of their professional goals and objectives.

Curriculum Requirements

General Education (State Minimum Core and Institutional Requirements)	45 hours
Concentration Area	30 hours
Junior and Senior Level Course Requirements in Two Tracks (One track of 18 semester credit hours must be in the area of concentration; the second track consisting of 12 semester credit hours may come from within any of the disciplines in the four areas of concentration) or any other course that enhances the area(s) of concentration.	30 hours
Free Electives	11 hours
Computer Science	3 hours
General Studies Seminar	1 hour
Total	120 hours

Other Program Requirements

At least 30 semester credit hours must be taken during program enrollment (exceptions may be made based on individual circumstances).

A grade of “C” or higher is required in all courses in the area of concentration and the two tracks.

The last 30 semester credit hours must be in residence at UAPB.

Concentration Area and Disciplines

With the assistance of a BGS program advisor, the student will design an interdisciplinary program of study by selecting courses from the following areas of concentration: Liberal and Fine Arts, Social and Behavioral Sciences, Science and Technology, and Professional Studies. No more than 26 semester hours in any discipline within each area will be counted toward the 120 hours required for graduation. Disciplines within each area are listed as follows:

Liberal and Fine Arts: art, English, theatre and mass communication, modern and foreign languages, humanities, philosophy, and music.

Social and Behavioral Sciences: criminal justice, gerontology, history, political science, psychology, social studies, social work, and sociology.

Science and Technology: biology, chemistry, physics, mathematical sciences and technology (computer science, industrial technology, and mathematics).

Professional Studies: agriculture, aquaculture and fisheries, human sciences; accounting and business education, business administration; early childhood education, middle-level education, secondary education and special education; vocational teacher education; and military science.

Course Descriptions

GENST 2100 – GENERAL STUDIES SEMINAR (1)

The course places emphasis on contemporary issues and topics that are critical to success as general studies majors, including technology, critical thinking, communication skills, teamwork, ethics in the work place, globalization, diversity and multiculturalism, and the concept of life-long learning. Through assigned readings, class discussions, written reports, oral presentations, guest lecturers,

research projects, and career explorations that synthesize educational experiences with life and work experiences, students acquire in-depth knowledge in specialized areas of interest and a better understanding of the connections between academe and the world of work. The course is required of all general studies majors. **PREREQUISITE:** Admission to the General Studies Program.

GENST 3300 PRIOR LEARNING ASSESSMENT SEMINAR (3)

Prior Learning Assessment Seminar is a course designed to build techniques for documentation of college-level skills and competencies acquired outside the traditional or formal classroom. Students prepare and submit documentation through a professional portfolio and experiential learning essay. The college-level credit awarded will be determined by a faculty committee, comprised of individuals from the related academic discipline or department, after review of the portfolio/documentation. **PREREQUISITES:** ENGL 1311 or equivalent course, prior learning experiences, interview, and permission of course instructor.

Division of Graduate Studies and Continuing Education

**George E. Herts
Interim Dean**

Undergraduate Credit Programs

Opportunities for undergraduate credit are provided on the UAPB campus for “special students”. Special Students include part-time students (students taking fewer than 12 credit hours during fall or spring semesters), senior citizens, non-degree seeking and transfer students. Evening and weekend credit courses are offered for “special student” convenience. Working adults whose undergraduate degree completion has been interrupted may enroll in the Weekend Degree Completion Program.

Off-Campus Site Programs

The Division operates off-campus programs at North Little Rock, Dumas, and Lake Village. In addition to courses scheduled at the site, students may augment their course load by enrolling in the divisional sponsored web courses or web courses scheduled by academic units.

Graduate Studies Program

Graduate courses are available through the Division of Graduate Studies and Continuing Education located in 201 Caldwell Hall on the UAPB campus. Through partnership agreements with other higher learning institutions and through distance education technologies, students may complete master’s degree courses/degrees or complete professional licensure in multiple academic areas. Evening courses are provided for student convenience. Additional information on graduate programs available at UAPB can be found in the Graduate Catalog.

Non-Credit Programs

Classes for self-improvement and personal enrichment are offered to community residents through non-credit programs. These personal enrichment, non-credit offerings provide educational experiences from childhood through the mature years.

Professional job improvement and skills enrichment are provided through Continuing Education Unit (CEU) non-credit classes, seminars, workshops and customized business training.

These noncredit course offerings are designed to meet the expressed professional needs and interests of the business community. The Division of Graduate Studies and Continuing Education will customize academic offerings to meet individual business needs.

Educational Access through Technology (Blackboard)

The Division provides distance education delivery of credit and non-credit offerings through its distance education networks. Blackboard is the state of the art delivery system.

The public is encouraged to contact the Division of Graduate Studies and Continuing Education regarding extended learning activities in the community, customized workshops, or training for professional development, community education and personal enrichment, and credit classes for degree completion or continuous education. "Our Commitment to the Public is Lifelong."

Division of Military Science

Willette Alston-Williams
Lieutenant Colonel (LTC)
Professor Military Science

Instructors

Kevin Hughes
Master Sergeant (MSG)
Senior Military Instructor

Robert J. Powell
Captain (CPT)
Assistant Professor of Military
Science

Jalina Williams
Scholarship and Enrollment
Officer Freshman Instructor

James Tomerlin
Human Resource Technician
(HRA)

Sheila Evans
Administrative Assistant III

The Program

Since its inception in 1968, the University of Arkansas at Pine Bluff Army Reserve Officers' Training Corps (ROTC) has provided 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 arm students with the right combination of academics and on-campus hands-on training necessary to make them successful leaders. Upon completion of the ROTC program, students will earn a commission as a Second Lieutenant in the United States Army and then proceed to enter the Active Army, the Army Reserve, or the Army National Guard upon graduation from the University.

Scholarships

The ROTC program offers four, three, two-year and one-and-a-half year scholarships to the most eligible and outstanding students who apply. These scholarships pay for tuition and mandatory educational fees, a specified amount for miscellaneous student fees, a flat rate for textbooks and classroom supplies, and a monthly stipend totaling over \$13,000 for a 4-year scholarship cadet. Scholarship cadets staying on-campus will receive free room and board. Interested students should visit the ROTC department for more information.

Military Science Courses (MLSC)

Basic Course

This course is designed to give the cadets the understanding of the unique aspects of the officer corps, be well grounded in the fundamentals of leadership and decision making, embrace the Army's institutional values and be able to apply these principles of individual fitness and unit training. The 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).

MLSC 1210 Learning to Lead I (2)

The purpose of this semester is to introduce cadets to fundamental components of service as an officer in the United States Army. These initial lessons form the building blocks of progressive lessons in values, fitness, leadership, and

officership. Additionally the course addresses “life skills” including fitness, communications theory and practice (written and oral), and interpersonal relationships. Upon completion of this course, cadets should be prepared to receive more complex leadership instruction.

MLSC 1220 Learning to Lead II (2)

This course builds upon the fundamentals introduced in the previous course by focusing on leadership theory and decision making. “Life Skills” lessons in this course include: problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Additionally, they will be increasingly required to demonstrate knowledge of leadership fundamentals and communications (written and oral).

MLSC 2310 Applied Leadership and Management I (3)

This instruction delves into several aspects of communication and leadership theory. The use of practical exercise is significantly increased over previous courses, as cadets are

increasingly required to apply communications and leadership concepts. This course concludes a major leadership and problem solving case study which draws on virtually all of the classroom instruction received in the first three semesters of the Basic Course.

MLSC 2320 Applied Leadership and Management II (3)

The final semester of the Basic Course focuses principally on officership, providing and extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed look at the origin of our institutional values and their practical application in decision making and leadership. Upon completion, cadets will possess a fundamental understanding of both leadership and officership, demonstrate the ability to apply this understanding in real world situations, and be excited about the aspect of shouldering the responsibility of a commissioned officer in the US Army.

**MLSC 2330 (3), 2331 (3)
Cadet Initial Entry Training
(CIET)**

Students who desire to learn more about the Army may choose to go to the 28-day, all expense-paid camp adventure at Fort Knox, Kentucky, where they receive confidence building training, Army physical fitness training, individual and small unit tactics, familiarization of individual and crew served weapons, and an introduction to leadership training. Attendees receive approximately \$800.00 and an opportunity to compete for a scholarship. To be eligible to attend camp, students must possess a minimum G.P.A. of 2.50, 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 basic camp.

II. ADVANCED COURSE

The principal lessons of operations and tactics, coupled with leadership are progressive. This course focuses on enhanced tactics at the small unit level in preparation for the National Advanced Leadership

Camp. 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.

**MLSC 3410 Advanced
Leadership and Management
I (4)**

The course is intended to build leadership competencies and facilitate the cadet's initial demonstration of individual leadership potential. Instruction in principles of war and purposes, fundamentals, and characteristics of the defense provides the necessary knowledge base for meaningful contextual treatment of the Troop Leading Procedures. This course closes with instruction in small unit battle drills to facilitate practical application and further leader development during Labs and Squad Situational Training Exercises.

MLSC 3420 Advanced Leadership and Management II (4)

This course continues focusing on doctrinal leadership and tactical operations at the small unit level. It includes opportunities to plan and conduct individual and collective skill training for offensive operations to gain leadership and tactical experience. This semester synthesizes the various components of training, leadership, and team building. Cadets will possess the fundamental confidence and competence of leadership in a small unit setting.

MLSC 3410 and 3420 Cadet Leaders Course (CLC)

Upon completion of both courses, the cadet will attend a highly competitive summer Advanced Camp at Fort Knox, KY, where the cadet's skills are tested and evaluated. The combined results of the cadet's Advanced Camp performance and on campus evaluations will determine the cadet's Officer Career Field preference.

MLSC 4410 Leadership Seminar I (4)

The objectives of this seminar concentrate on leadership, management and ethics and

begin the final transition from cadet to lieutenant. The course focuses cadets, early in the year, on attaining knowledge and proficiency in several critical areas they will need to operate effectively as Army officers. These areas include: Coordinate Activities with Staff, Counseling Theory and Practice within the "Army Context," Training Management, and Ethics. Cadets will possess the fundamental skills, attributes, and abilities to operate as competent leaders in the cadet battalion and confidently communicate to subordinate cadets their preparedness to shoulder in responsibilities entrusted to them. Prerequisite: MLSC 3410 and 3420.

4420 Leadership Seminar II (4)

This course reinforces previous instruction on the organization of the Army and introduces how we organize for operations from the tactical to strategic level. This is followed by instruction on administrative and logistical management that will focus on the fundamentals of soldier and unit level support. Upon completion of this course, the cadet will be prepared to shoulder the responsibility of being a commissioned officer in the United States Army.

MLSC 4150 Military Dynamics Seminar I (1)

This is an interactive seminar designed to progressively enhance student understanding of leadership and organizational culture through building upon the leadership skills assessed at the Leader's Development and Assessment Course (LDAC). The course will encompass directed reading and research in contemporary military issues focusing on enhancing student understanding of organizational culture, understanding and enhancement of leader-member relations, assessment of organizational culture and ethical climate, and how to effect change in organizations. Prerequisite: MLSC 4410 and MLSC 4420

MLSC 4160 Military Dynamics Seminar II (1)

This is a capstone interactive leadership course to prepare students for the challenges of becoming commissioned officers in the U.S Army. Various leadership challenges and case studies will be discussed. Students will conduct a study of military units with specific emphasis on military operations

other than war, global war on terror. Other topics include personnel administration, maintenance management, and financial planning. Prerequisite: MLSC 4150

The Two-Year Option

A student who missed 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 is eligible for enrollment. Students who have between two to four-years of JROTC, or have between one to four-years of SROTC may be eligible to receive placement credit for one or both years of the Basic Course and enter the Advanced Course immediately.

**CURRICULUM FOR MILITARY SCIENCE
FOUR-YEAR OPTION**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Learning to Lead I	MLSC	1210	2	Learning to Lead II	MLSC	1220	2
			2				2
SOPHOMORE YEAR							
Applied Lead/Mgmt I	MLSC	2310	3	Applied Lead/Mgmt II	MLSC	2320	3
			3				3
JUNIOR YEAR							
Advanced Lead/Mgmt I	MLSC	3410	4	Advanced Lead/Mgmt II	MLSC	3420	4
			4				4
SENIOR YEAR							
Seminar Lead/Mgmt I	MLSC	4410	4	Seminar Lead/Mgmt II	MLSC	4420	4
			4				4

**CURRICULUM FOR MILITARY SCIENCE
TWO-YEAR OPTION
SUMMER SESSION**

FALL SEMESTER				SPRING SEMESTER		
FRESHMAN YEAR						
Leaders Training Course	MLSC 2330	6	Leaders Training Course	MLSC 2330	6	6
		6				6
SOPHOMORE YEAR						
		0				0
JUNIOR YEAR						
Advanced Lead/Mgmt I	MLSC 3410	4	Advanced Lead/Mgmt II	MLSC 3420	4	4
		4				4
SENIOR YEAR						
Seminar Lead/Mgmt I	MLSC 4410	4	Seminar Lead/Mgmt II	MLSC 4420	4	4
		4				4

Career Services "One-Stop-Career-Center"

Shirley Cherry, Director

Tracy Knowlton

Assistant Director for Cooperative Education/Internships

Earnestine McLaughlin

Education Counselor

Yulanda Riley

Project Specialist/Career Coach

Maurice Carlton

Project Specialist/Job Developer

Shirley Hampton

Administrative Specialist II/Systems Manager

The Career Services "One-Stop Career Center" is located in Caldwell Hall—Suite 202.

The Office of Career Services is a centralized student service program and is responsible for the coordination of all student employment activities.

The Center offers services to UAPB students and recent alumni seeking off-campus employment opportunities in business, government, industry or education. Assistance is also provided to students who are

interested in admission to graduate/professional school.

Major activities include the Fall UAPB/SEARK College Career Day and Teacher Education Fair, the Black Executive Exchange Program (BEEP), the Youth Motivation Task Force (YMTF) Program and Spring Career Day and Teacher Education Fair.

Students are **required** to register with the Office of Career Services to participate in on-campus interviews, be referred for employment, and to participate in any special events hosted by Career Services. The only exception is the career fair. Registration is on a volunteer basis. To register with the Office of Career Services students must: 1) Attend a thirty minute orientation session, 2) Complete and submit resume in Career Connections Career Portal, 3) Make an appointment to meet with coordinator of their major to have resume critiqued. Seniors are required to register with this office before graduation.

Cooperative Education/Internships

The Cooperative Education and Internships component has been in operation since 1972. Cooperative Education is a carefully organized and supervised paid work

experience designed to provide students with pre-professional employment related to their major. The Office of Career Services (OCS) will serve as the clearinghouse for all Cooperative Education and non-departmental internships. The Office of Career Services will work together with a faculty liaison for each department to ensure that the best learning experiences occur in the work environment. It is an optional program that is available to students from all disciplines. Students may elect to participate in the Alternating or Parallel Plan.

Since students are paid for their work, they are responsible for all expenses and financial obligations incurred before, during and after their work periods.

The **Alternating Plan** allows the student to alternate periods of full-time study and full-time paid work. The student spends one semester in full-time employment, and returns to campus the next semester to study. In most instances the student will return to the work site for a second assignment. Work experience may be done during the semester or summer. The student must register for academic credit when this plan is selected. (The employer

determines the work cycle.)

The **Parallel Plan** is suitable for the student who desires to work on a part-time basis. The student's work assignment is usually limited to employers within a 50-mile radius. This plan allows the student to attend classes while working part-time in a paid position.-(The employer determines the work cycle.) Students are allowed to work at least twenty hours per week. The student must register for academic credit.

Who Is Eligible?

- a) Any student enrolled at UAPB as a full- or part-time student in a curriculum leading to a baccalaureate degree.
- b) Any student with the grade point average that is consistent with requirements of the agency/company that has completed 30 semester credit hours;
- c) Non-graduating seniors may be eligible for placement if an agreement is reached between the employer, student, and Co-op coordinator;

- d) Any student who transfers to UAPB from another institution must wait at least one semester before being eligible for consideration; and
- e) Departmental requirements may vary.

Departments have an established number of academic semester hours that may satisfy electives through Cooperative Education/Internship Program participation. **Students must apply by May 1 for fall semester, November 1 for spring semester and January 30 for summer placements.** Applications for participation are available in the Office of Career Services.

For more information, contact the Director of Career Services, 1200 North University Drive, Mail Slot 4975, Pine Bluff, Arkansas 71601 or call (870) 575-8461.

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