

**U**NIVERSITY OF **A**RKANSAS

At

**P**INE **B**LUFF

**Undergraduate Catalog**  
**Transitional Catalog 2015**  
(Catalog Updates in Progress)

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Member - North Central Association  
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Chicago, IL 60602-2504  
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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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## *Academic Calendar*

### *2014-2015*

#### **Fall Semester - 2014**

Faculty Report for Duty	August 18, 2014
Dormitories Open for New Freshmen	August 19, 2014
New Freshmen Welcome Activities Begin (Evening)	August 19, 2014
New Freshmen Orientation/Registration Begins (By Alphabetized Schedule)	August 20, 2014
Dormitories Open for Upperclassmen	August 20, 2014
Upperclassmen and Graduate Students Registration Begins	August 21, 2014
Returning/Advanced Freshmen Registration Begins	August 21, 2014
First Day of Instruction	August 25, 2014
Late Registration Begins	August 26, 2014
Drop/Add Fees Assessed/Late Registration Continues	August 27, 2014
Last Day to Register/Drop/Add/Change Schedule	August 29, 2014
Labor Day (No Classes)/Administrative Offices Closed)	September 1, 2014
Last Day for Course Cancellation Adjustments	September 3, 2014
May 2015 Graduation Application Due in Registrar's Office	September 11, 2014
Non-Attendance Census Report Due in Registrar's Office	September 11, 2014
Mid-Term Examination Week	October 6 -10, 2014
Delinquent Mid-Term Grades Due	October 13, 2014
Delinquent Mid-Term Grades Distribution to Departments	October 21, 2014
Last Day to Drop Class(s)/Grade of "W" Awarded	October 29, 2014
Spring 2015 Pre-Registration/Financial & Academic Advisement Week	November 17-21, 2014
Final Examinations for December 2014 Graduates	November 24-December 1, 2014
Thanksgiving Holiday Break (No Classes/Administrative Offices Closed)	November 27-28, 2014
Last Day to Withdraw From the University (All Courses)/Grade of "W" Awarded	December 1, 2014
Grades Due in Registrar's Office for December 2014 Graduates	December 3, 2014
Last Day of Instruction	December 3, 2014
Day of Study	December 4, 2014
Common Final Examinations	December 5, 2014
Final Examinations	December 8-11, 2014
Fall Commencement	December 12, 2014
Grades Due in Registrar's Office	December 15, 2014

## *Academic Calendar*

### *2014-2015*

#### **Spring Semester - 2015**

Faculty Report for Duty**	January 2, 2015
Academic Appeals and Financial Aid Verification (Resolve Pending Issues)	January 5-6, 2015
Registration Begins	January 7, 2015
First Day of Instruction	January 12, 2015
Late Registration Begins	January 13, 2015
Drop/Add Fees Assessed/Late Registration Continues	January 14, 2015
Last Day to Register/Drop/Add/Schedule Change	January 16, 2015
Martin Luther King, Jr. Holiday Observed (No Classes/Offices Closed)	January 19, 2015
Last Day for Course Cancellation Adjustments	January 21, 2015
Non-Attendance Census Report Due in Registrar's Office	January 29, 2015
Mid-Term Examination Week	March 16-20, 2015
Delinquent Mid-Term Grades Due	March 23, 2015
Spring Break Week**	March 23-27, 2015
Delinquent Mid-Term Grades/Summaries Distributed to Departments	March 31, 2015
Last Day to Drop a Class(s)/Grade of "W" Awarded	April 8, 2015
Summer and Fall 2015 Pre-Registration/Financial & Academic Advisement Week	April 13-17, 2015
Final Examinations for May 2015 Graduates	April 22-28, 2015
Last Day to Withdraw From the University (All Courses)/Grade of "W" Awarded	April 27, 2015
Grades Due for May 2015 Graduates in Registrar's Office	April 30, 2015
Last Day of Instruction	April 30, 2015
December 2015 Graduation Application Due in Registrar's Office	May 1, 2015
Day of Study	May 1, 2015
Final Examinations	May 4-8, 2015
Spring Commencement	May 10, 2015
Grades Due in Registrar's Office	May 12, 2015

## *Academic Calendar*

### *2014-2015*

#### **First Summer Session - 2015**

Memorial Day Observed	May 25, 2015
Registration for First and Second Term Begins	May 28, 2015
First Day of Instruction	June 1, 2015
Late Registration/Last Day to Drop/Add/Register	June 2, 2015
Last Day for Course Cancellation Adjustments	June 3, 2015
Non-Attendance Census Report Due in Registrar's Office	June 9, 2015
Last Day to Drop a Class(s)/Grade of "W" Awarded	June 15, 2015
Last Day to Withdraw From the University (All Courses)/Grade of "W" Awarded	June 25, 2015
Last Day of Instruction/Final Examinations	July 1-2, 2015
Grades Due in Registrar's Office	July 7, 2015

#### **Second Summer Session - 2015**

First Day of Instruction	July 6, 2015
Late Registration/Last Day to Drop/Add/Register	July 6, 2015
Last Day for Course Cancellations Adjustments	July 7, 2015
Non-Attendance Census Report Due in Registrar's Office	July 8, 2015
Last Day to Drop a Class(s)/Grade of "W" Awarded	July 14, 2015
Last Day to Withdraw From the University (All Courses)/Grade of "W" Awarded	July 20, 2015
Last Day of Instruction/Final Examinations	August 6-7, 2015
Grades Due in Registrar's Office	August 11, 2015

**\*\*Dates to be confirmed.**

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**University of Arkansas Pine Bluff Information Numbers  
(870) 575-8000**

Academic Affairs – Vice Chancellor	575-8475
Academic Records	575-8491
Admissions	575-8492
Alumni Affairs	575-8499
Agricultural Research Center	575-8131
Basic Academic Services	575-8356
Bookstore	575-8857
Career Services	575-8461
Chancellor	575-8470
Comprehensive Testing	575-8056
Continuing Education	575-8315
Cooperative Education	575-8200
Cooperative Extension Service	575-8530
Finance and Administration – Vice Chancellor	575-8973
Financial Aid	575-8302
Graduate Studies & Continuing Education	575-8315
Health Services	575-8508
Honors College	575-8050
Housing	575-8079
Library	575-8411
Military Science	575-8445
Police - Campus	575-8101
Registrar	575-8487
School of Agriculture, Fisheries and Human Sciences	575-8529
School of Arts and Sciences	575-8210
School of Business and Management	575-8211
School of Education	575-8256
Student Affairs - Vice Chancellor	575-8508
Student Life	575-8360
Student Support Services	575-8380
Student Union	575-8926
University College	575-8335
Veterans' Affairs	575-8293



## General Information

### University of Arkansas at Pine Bluff

The University of Arkansas at Pine Bluff is a state supported land grant institution. It was created in 1873 by an act of the Legislature as a branch of the Arkansas Industrial University (now the University of Arkansas).

Originally known as Branch Normal College, the school opened on September 27, 1875, in a rented frame building on the corner of Sevier and Lindsey Streets in the city of Pine Bluff. With Professor J. C. Corbin in charge, seven students enrolled, three from Jefferson County and four from Drew County.

In 1882 the school moved to a two-story brick structure, erected by state funds on a fifty-acre plot in the suburbs of Pine Bluff. Between 1881 and 1894, the school conferred ten B.A. degrees. Then, from 1894 to 1929, the school operated as a junior college.

In 1927, the governor appointed an independent board of trustees for the college and the state legislature appropriated \$275,000 for the erection of a new physical plant just outside the city limits. To aid this project, the General Education Board

contributed \$183,000 and the Rosenwald Fund \$33,000.

In 1929, the school expanded into a standard four-year degree-granting institution and in 1933 was certified as a standard four-year college. Two years later, in 1935, a building program provided eight residences for instructors and a gymnasium, and in 1938 another building program afforded two more dormitories and a library.

In 1942, as a result of the sudden and untimely death of John Brown Watson, Lawrence A. Davis, Sr. was named acting president.

In April 1943, the Board of Trustees of the College named Davis president of the institution. Toward the end of the 1940's an extensive building program began that eventually doubled the college's facilities: the Larrison Science Building (1950), the Woodard Agricultural Building (1950), the L. A. Davis, Sr. Student Union (1952), the Browne Student Infirmary (1952), the Rust Industrial Technology Building (1963), the John Brown Watson Memorial Library Building (1968), the 500 Room Norma E. Harrold Dormitory Complex for Women (1965), the 16-Unit Franks-Kincaid Faculty Apartment Building (1965), the J. C. Corbin Teacher Education Building (1965). In 1968 an extension to the Lawrence A. Davis, Sr. Student Union expanded the lobby, kitchen and

dining room facilities. Students began using the new Isaac Hathaway Fine Arts Building during the 1969 fall semester.

The College Farm of 220 acres and the Agri-Lab underwent an expansion in services and research facilities in 1966 involving an expenditure of a quarter million dollars. In cooperation with the University of Arkansas and the Arkansas Archaeological Survey, University of Arkansas at Pine Bluff the college's Anthropological Laboratory increased its research facilities and enriched its curricular offerings in 1967.

On July 1, 1972, a merger rejoined the two oldest public higher educational institutions in the state: Arkansas Agricultural, Mechanical and Normal College was merged into the University of Arkansas System. Arkansas AM&N College was renamed the University of Arkansas Pine Bluff.

With appropriations from the State Legislature and Federal Government, the University initiated another physical plant improvement program in 1972. A physical plant building was completed in 1973, a new science building in 1975, and a major renovating program for all existing buildings and grounds was completed or planned by mid-1975. In 1977 the University added a \$2,800,000 Home Economics complex and a \$1,600,000 Administration Building. At a cost

of \$7,500,000, a Health, Physical Education and Recreation Complex was completed in 1984.

When Lawrence A. Davis, Sr. left in August 1973, Johnny B. Johnson, Sr. was appointed Acting Chancellor. On July 1, 1974, Herman B. Smith, Jr. began his duties as Chancellor. Under his leadership, new programs were added to the curriculum and a vigorous recruiting drive to increase student enrollment was initiated. A combination of increased state funding and outside support resulted in the improvement of the physical plant and the acquisition of a higher percentage of UAPB faculty with doctoral degrees. Dr. Smith resigned his position effective June 30, 1981.

\*\*\*From January 1981 through August 1981, an Administration & Operations Committee guided the University.

On September 1, 1981, Lloyd V. Hackley assumed duties as Chancellor of the University. His convictions on excellence in higher education echoed throughout the state of Arkansas resulting in his appointment to the Education Standards Committee and the Quality Higher Education Study Committee by Governor Bill Clinton. During his tenure, Dr. Hackley obtained funding to construct and furnish the Kenneth L. Johnson, Sr. HPER Complex. He also supervised the

restructuring of UAPB's academic programs into a University College to supervise the first two years of instruction and an Upper Division to supervise the last two years. His resignation became effective September 30, 1985.

From October 1, 1985 to August 15, 1986, Dr. Johnny B. Johnson served the University as Provost and chief operating officer.

On August 19, 1986, Dr. Charles A. Walker assumed responsibilities as Chancellor. During his administration, UAPB initiated graduate programs leading to the Master of Education degrees in Elementary and Secondary Education. The UAPB Research Center was opened, the Johnny B. Johnson Residence Complex was constructed, and the L. A. Davis Student Union and the Harrold Residence Complex received extensive renovations.

After Walker's resignation in June 1991, Dr. Carolyn F. Blakely was appointed Interim Chancellor.

Dr. Lawrence A. Davis, Jr., class of 1958, replaced Dr. Blakely when he was appointed Chancellor in November of 1991.

The University has received constructive leadership from the following chief administrators:

<b>EARLY LEADERS</b>	<b>1875-1928</b>
Joseph Carter Corbin (Principal)	1875-1902
Isaac Fisher (Principal)	1902-1911
W. S. Harris (Superintendent)*	1911-1915
F. T. Venegar (Principal)**	1911-1917
Jefferson Ish (Superintendent)	1915-1921
Charles Smith (Superintendent)	1921-1922
Robert E. Malone (Superintendent)	1922-1928
<b>ERA OF PRESIDENTS</b>	<b>1928-1972</b>
John B. Watson	1928-1942
Lawrence A. Davis, Sr.	1943-1972
Earl Evans (Acting)	1959-1960
<b>ERA OF CHANCELLORS 1972 -PRESENT</b>	
Lawrence A. Davis, Sr.	1972-1973
Johnny B. Johnson	1973-1974
Herman B. Smith, Jr.	***1974-1981
Lloyd V. Hackley	1981-1985
Johnny B. Johnson (Interim)	1985-1986
Charles A. Walker	1986-1991
Carolyn F. Blakely (Interim)	June-Nov 1991
Lawrence A. Davis, Jr.	1991-2012
Laurence B. Alexander	2013 - Present

\*With the resignation of Isaac Fisher, W. S. Harris was appointed superintendent and administrative head, and served in this position from 1911-1915. Jefferson Ish was appointed as superintendent in September 1915.

\*\*\*The Administration and Operations Committee, which governed the University from January 1981 through August 1981, was composed of Dr. Walter L. Littlejohn (Chair), Dr. Lawrence A. Davis, Jr., Dr. L. A. Torrence, Dr. S. J. Parker, Mr. Benson Otovo and Dr. Aaron Van Wright, Jr.

## Location

The University of Arkansas Pine Bluff is located in the northern part of the city of Pine Bluff in South Central Arkansas. The city has a population of 63,000 and is the county seat of Jefferson County. It is accessible by land via State Highways 65 and 79 and by air via Little Rock Airport. Cultural and recreational facilities include the Southeast Arkansas Arts and Science Center, movie theaters, libraries, bowling alleys, roller skating rinks, golf courses, swimming pools, parks, a city lake, riverside sporting and recreation activities, and a convention center that attracts top national entertainers. Pine Bluff has major chain motels and a variety of fine restaurants. Just 38 miles to the north is the state capitol, Little Rock. Approximately 142 miles northeast of Pine Bluff is Memphis, Tennessee.

## Mission of the University

### Historical Mission

One of the most important aspects of the historical mission of Agricultural, Mechanical and Normal College was established by the Legislative Act of 1873 that created the College. The Act stipulated that the institution was being established for the convenience and well-being of the "poorer classes."

The second statutory provision relating to the mission of the College was the Land Grant Act of 1890, which made the Morrill Act of 1862 applicable in every respect to Agricultural, Mechanical and Normal College.

The Act of 1862 charged the College, without its excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and mechanic arts. These subjects are to be taught in such manner as the State prescribes in order to provide the liberal and practical education of the laboring classes of people in the several pursuits and occupations of life.

### Evolving Mission

While the University of Arkansas at Pine Bluff will continue to maintain a special sensitiveness to the needs, aspirations, problems and opportunities of its historic constituents, it shall expand its mission with a high degree of excellence and with a sense of constantly improving quality. The new social context that is emerging as a result of integration requires that this mission be expanded, extended and enriched so as to become consonant with the needs and demands of a more culturally heterogeneous student clientele - a clientele differing academically, socially, racially, ethnically and culturally.

To fulfill its mission of service to this heterogeneous clientele, UAPB shall develop creative and innovative activities that produce new curricular models in the fields of aesthetics, social and political institutions, and scientific technical development. This will be accompanied by new instructional designs and professorial staff is capable of implementing such programs.

The thrust of this new and expanded mission could and should result in the reexamination and improvement of value systems and moral behavior of political institutions and of the economic system. Such a mission does not merely support the advancements of science and technology; it uses science and technology to help solve economic, physical, social, political, racial and cultural problems.

The institution's ultimate goal is to assist America in building a new social organism that will accommodate racial, ethnic and cultural pluralism in a manner that will enhance the quality of lives and patterns of living and weld the nation into one people, a mission which seems essential to the future security and health of the nation.

### **Vision Statement**

The philosophical basis on which UAPB premises its purposes and activities is best

described in a vision statement written during a planning workshop in the 1995-96 academic year. The statement follows:

We believe it is important to the future of the University of Arkansas at Pine Bluff (UAPB) that:

UAPB be known as a comprehensive, 1890 Land-Grant institution that provides open door liberal and professional education for its traditional clientele as well as lifelong learning experiences for other population groups with concern for the success of all students; that

UAPB be known for its Center of Excellence – aquaculture and fisheries biology, and its Centers of Emphasis - teacher education, mathematics and science, minority business development, and student leadership development; that

UAPB offer comprehensive research and services and be an active partner and neighbor in the educational, business and industrial communities of Arkansas and the nation; that

UAPB provide accessible and affordable offerings that are innovative and relevant, and where course offerings and student performance ascribe to the highest principles and standards of academic excellence; that curricular plans be designed to a

prepare students for functioning in global environment where human and economic interdependencies are ever increasing; that

UAPB maintain a climate that fosters the intellectual and social development of a diversified student body; that is caring, friendly, and respectful of the dignity of all individuals; that

UAPB be a model of resource and environmental stewardship; that

UAPB take pride in itself as a dynamic, creative, future-oriented place of learning and growth; and that

UAPB accept the responsibility to develop excellence within ourselves and produce students and graduates that reflect some consciousness, intellectual prowess and the highest levels of professionalism and integrity in their lives and work.

The application of the aforementioned philosophical declarations is the basis for the role and scope authority outlined in the Board of Trustees approved Mission Statement.

### **Goals and Objectives of the University**

**GOAL 1.** Strengthen institutional quality through graduate and undergraduate programs of excellence in in-class and out-of-

class teaching and learning activities.

Objectives:

1. Promote program excellence and access, epitomized by high expectations and effective, a global perspective, technology literacy, and responsive teaching and learning.
2. Create a network of support mechanisms that will facilitate excellence in teaching and learning.
3. Promote and support faculty and staff excellence through effective recruitment, engagement, appropriate recognition and rewards, development, and opportunities for career advancement.
4. Promote and support student excellence through appropriate recognition, ongoing assessment, advisement, appropriate curricular offerings and research engagement experiences, counseling and testing, health and wellness, leadership training and experiences, as well as opportunities for academic, social, and career advancement.
5. Develop and implement effective strategies to increase recruitment,

retention, and graduation rates.

6. Develop an effective and efficient infrastructure for distance learning that facilitates increased course offerings at a distance.
7. Develop new programs that meet the continuously evolving needs of constituencies.

**GOAL 2:** Engage faculty/staff and students in mission-oriented research and creative activities to solve stakeholder problems and enhance the quality of life.

Objectives:

1. Establish institutional mechanisms (i.e., release time, support staff, facilities, and grants management) to promote research, scholarly, and creative activities.
2. Provide financial incentives and rewards to recognize faculty productivity in research and scholarly activities.
3. Establish partnerships and collaborations with other institutions and agencies to broaden the scope and productivity of research and creative activities.
4. Increase the university's investment in research and scholarly activities through

seed grants and indirect cost recovery.

**GOAL 3:** Strengthen the institution's quality in scholarship through engaging the entire university in fulfilling its public service mission.

Objectives:

1. Identify and provide resources to support public service and engagement.
2. Provide opportunities for service initiatives in every curriculum
3. Establish collaborative partnership efforts across units, programs, and communities to facilitate the University's public service mission.
4. Provide incentives and recognition for engagement and public service initiatives.

**GOAL 4:** Enhance services offered by support units in executive management, finance and administration, and student affairs.

Objectives:

1. Enhance services offered by the office of human resources, financial aid and student accounts.
2. Enhance services offered by office of research and

- sponsored programs in seeking and administering funds for research and sponsored programs.
3. Provide alternative methods of storing files and records
  4. Maintain and develop physical facilities that will allow a safe and effective teaching, learning, research, and service environment.
  5. Strengthen information technology resources to enhance all of the university's activities.
  6. Maintain sufficient reserves in the university's fund balance.
  7. Promote awareness among clientele, potential clientele, potential donors, and other constituencies about UAPB activities and their impact.
3. Apply results generated from assessment data to ensure academic quality improvements at the departmental level.
  4. Develop and implement a mechanism for timely response to changing state and federal academic policies.
  5. Use resources effectively to meet constituent needs.
  6. Implement student evaluations to enhance student achievement
  7. Institutionalize a mechanized, institution-wide data base that empowers managers to make data driven decisions.
  8. Implement a cyclical planning, managing, and evaluating system.

**GOAL 5:** Ensure accountability and continuous improvement of programs and services by implementing a comprehensive institutional assessment system with a planning and budgeting model.

Objectives:

1. Establish an office of academic assessment and accountability.
2. Integrate assessment plan and activities into an effective assessment system

### **Public Notice Designating Directory Information**

The University of Arkansas at Pine Bluff hereby designates the following categories of student information as public or "Directory Information." The University will disclose such for any purpose at its discretion.

**Category I:** Name, address, telephone number, dates of attendance, class.

**Category II:** Previous institution(s) attended, major field of study, awards, honors (including Dean's



list), degree(s) conferred (including dates).

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

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, the Office of Admissions and Academic Records must receive written notification prior to registration closing date. Students may obtain forms to make request for withholding of "Directory Information" from the Office of Admissions and Academic Records, located in the Administration building at UAPB.

### **Accreditation and Membership**

The University of Arkansas Pine Bluff is fully accredited by the North Central Association of Colleges and Schools. It has program accreditation by the National Association for Schools of Music, American Home Economics Association, International Association of Counseling Services, the National Association for the Accreditation of Teacher Education, 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.

### **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 catalog 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.

## 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  
 Fisheries Biology, B.S.  
 Human Sciences, B.S.  
 Human Development/Family Studies  
 Merchandising, Textiles & Design  
 Nutrition and Dietetics  
 Food Service/Restaurant Management  
 Human Sciences Education

### SCHOOL OF ARTS & SCIENCES

#### *Liberal and Fine Arts Units*

Art, B.S.\*  
     Visual Arts  
     Art Teaching  
 English, Theatre & Mass Communication  
 English, B.A.  
 English Education, B.S.\*  
 Journalism, B.A.  
 Theatre and Communication, B.A.  
 Social and Behavioral Sciences  
 Criminal Justice Studies, B.A.  
 Gerontology, B.A.  
 History, B.A.  
 Political Science, BA  
 Psychology, B.S.  
 Social Work, BA  
 Sociology, BA  
 Social Studies, B.S.\*  
 Music, B.S.\*  
     Music Teaching  
     General (Non-Teaching)  
     Sound Recording Technology

### *Science and Technology Units*

Biology, B.S.\*  
 Chemistry, B.S.\*  
 Mathematical & Computer Sciences, B.S.  
 Industrial Technology Management and Applied Engineering, B.S.  
 Electronics, A.S.  
 Mathematics, B.S.\*  
     Applied Mathematics  
 Physics, B.S.  
 Pre-Engineering  
 Regulatory Science/Biology\*\*  
 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

Agriculture Sciences/Technology Education, B. S.\*\*  
 Science Education: Life & Physical/Earth Science  
 Business Education, B. S.  
 Early Childhood Education, B.S.  
 English Education, B. S.  
 Health, Physical Ed. Recreation, B. S.  
 Physical Education/Secondary\*  
 Leisure Recreation Program Delivery  
 Leisure/Therapeutic Recreation  
 Human Sciences Education, B.S.\*\*  
 Mathematics Education, B. S.  
 Middle Childhood Education (Choose Two)  
     Social Studies  
     English/Language Arts  
     Mathematics  
     Science  
 Rehabilitative Services, B. S.  
 Social Studies/Education, B.S.

### UNIVERSITY COLLEGE

General Studies, B.S.

Teaching degree offered\*  
 Interdisciplinary offering\*\*

## Admission to the University

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 conditionally or unconditionally to the University. The admissions credentials for an entering freshman must include the following:

### Formal Application

1. High school transcript (at least seven semesters completed).
2. Test information and scores (The required test is the ACT. Students may substitute the SAT).

3. Immunization Record required with proof of two MMR vaccinations.
4. International students must have the concurrence of a University Designated School Official (DSO) 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:

### College Prep

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 2 units Civics or American Government, 2 units 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 graduate of an accredited senior high school may qualify for admission with 17 units completed in the tenth, eleventh and twelfth grades, provided the record shows preparation equivalent to the above requirements (See section on Early Admission).

A grade point average of “C” and a composite score of 19 are the general requirements for all students. Students graduating from Arkansas high schools without an overall grade point average of “C” and a composite score of 19 on the ACT may be granted conditional admission, with the understanding that the student must maintain an average of “C” or better in order to continue studies at the University. Out of state applicants failing to meet these minimum requirements are reviewed by the Admissions Committee to determine if the University will grant admission.

Students with less than a “C” 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 programs.

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. The student must meet admissions requirements for freshmen.

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. In addition, applicants must meet admission requirements for freshmen.

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:

### **Presentation of standardized test scores and a transcript of grades**

- 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 grades of either:
  1. A Grade Point Average (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;
  2. An overall G.P.A. of 3.50 (on a 4.00 scale). 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 under either of these 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.

## 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 “C” average 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 all college transcripts.
3. Immunization record required with proof of two MMR vaccinations.
4. Transfer applicants with less than a “C” average from colleges or universities may be admitted to the University on academic probation with the approval of the Admissions 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 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 and a statement of good standing from the institution where they are regularly enrolled. To qualify as a degree candidate, the student must fulfill all admissions requirements.
6. Transfer students must satisfy the English Proficiency requirement.

### Transfer of Credit (New and Continuing Students)

The University accepts transfer credits from any regionally recognized accredited institution. In awarding credit, the University exercises institutional autonomy, awarding on the basis of course content and course description.

1. A maximum of 68 hours is accepted from an accredited junior or community college.
  2. A student cannot transfer credit earned at a junior or community college beyond the sophomore year. When a student has earned a total of 60 semester hours, no further credit may be transferred, except as follows: a junior who lacks a subject required in the freshman or sophomore year may complete that course in a junior or community college if the student obtains permission from the departmental chairperson for the particular major, and the academic dean.
  3. When an institution is not accredited and in instances where the state department of a particular state (where institution is located) does not accept the credits, the University will not accept transfer credits.
  4. The University accepts transfer credits for degree credit in consultation with academic departments. Transfer credit hours (pass or failed) are included in the earned credits and are listed on the student's transcript. The departmental chairperson of the declared major must evaluate courses for transfer credit.
  5. For purposes of ranking students for graduation and honors, the University computes all transfer credits (passed or failed).
  6. Any UAPB student who desires to take a course at another university must secure approval from his/her department chair and dean prior to taking the course.
- The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment in the application of credits for the admissions and degree requirements. Course transferability is not guaranteed for courses listed in ACTS as "No Comparable Course." Additionally, courses with a "D" frequently do not transfer and institutional policies may vary. ACTS may be accessed on the Internet by going to the ADHE website and selecting Course Transfer (<http://acts.adhe.edu>).

### Special Student Status

The University defines a 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. Although the initial admission as a special student does not require taking the ACT, if the student wishes to accumulate more than 21 credits as a 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 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): A minimum score of 525 is required for admission.
3. Certified documents (i.e., affidavits from bank(s) or other financial institution(s) providing evidence of financial capability.)
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 Designated School Official (DSO). This school is authorized under federal law to enroll nonimmigrant alien students. Designated School Official (DSO). This school is authorized under federal law to enroll non-immigrant 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. The 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.

### **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 Academic Records - Registrar's Office.

### **Admissions Policy**

The University of Arkansas 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

2. Has taken the required test, ACT or SAT, and earned a composite score of 19 or above on ACT or SAT score of 910 or above.
4. Applicants with 1.90 to 2.00 GPAs may be referred to the Admissions Appeals Committee for consideration.

### 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 or a COMPASS Reading score of 62 or above.
2. High school GPA of 2.00 or above.
3. Students admitted on condition are required to 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.

### Conditional Prep

This process will allow students to be admitted conditionally if the following requirements are met:

1. ACT scores of 13-14
2. High school GPA of 1.90 or above
3. Can demonstrate the ability-to-benefit from academic support programs by the following:
  - a. Obtain a reading score of 62 on the COMPASS exam or 35 on the ASSET exam
  - b. Attend the UAPB College Preparation Academy (February to May) and/or attend a one week UAPB test prep workshop in June
  - c. Re-take the ACT/SAT or take the COMPASS or ASSET exams and attain required scores as outlined above; and

- d. Enroll in the UAPB Summer LIONS Program before the freshman year

All applicants must submit the following:

1. Completed online Application for Admission ([www.uapb.edu](http://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 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.

### **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 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.

## Regulations and Academic Guidelines

### Academic Advising

Students must consult with an advisor to review policies and degree requirements each registration period. Academic advisors can offer advice, but meeting requirements for graduation is the student's responsibility.

### 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 shop. 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.

### 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.

### Auditing

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.

### Bachelor of Arts or Bachelor of Science Degree

Although the total number of semester hours required for graduation varies with departmental and school curricula, the minimum requirements for graduation are 124 semester hours (excluding developmental courses), completion of general education requirements, a grade of "C" or better in each major course and a minimum cumulative average of 2.00.

Before graduating from the University, each student must satisfy the English Proficiency requirement.

All students must exit University College and take a comprehensive examination in their major field of study, prior to graduation.

Students taking ENGL\*1311 at the University of Arkansas Pine Bluff, fall 2000 and beyond, will be governed under the Common Examination. The Common Examination will be used to satisfy the English Proficiency requirements for graduation.

### **Second Degrees**

The University will confer a second degree, associate or bachelors, subject to the provisions listed below.

1. Students must complete a minimum of 30 credit hours above the 1000 level in residence (excluding non-traditional credit) beyond the first degree.
2. Only credit earned at the University of Arkansas at Pine Bluff after completion of the first degree will apply toward the second degree.
3. Students must complete a major. The University gives credit for general education courses completed for the first degree, but not credit for major courses as part of the first degree.

### **Class Attendance**

The University requires regular class attendance of all students. While attendance and tardiness are primarily a student teacher relationship, the University has a concern in the proper fulfillment of such obligations by the student:

1. At the beginning of each class period, the instructor will take the roll and note attendance or non-attendance in the roll book. Each course syllabus will carry a stipulation regarding tardiness and absences.
2. When a student accumulates as many unexcused absences as the number of credit hours represented by the course, the teacher will notify the student and document the notification.
3. An absence is excused when a student is absent from class due to participation in programs, activities, etc. that are sponsored by the University and verified by the sponsor, or when a student is confronted with an extenuating circumstance, such as death in the immediate family, a judicial case, or serious illness, etc.

These absences will be excused only when the student presents official documentation of the situation to the teacher. All other absences are unexcused.

4. When a student misses classes in excess of the number outlined in item 2 above, whether due to negligence or some other reason, the instructor will warn the student that additional absences may result in failure to pass the course.

### 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 Master of Education, Master of Science, Bachelor of Arts, Bachelor of Science, and Associate of Applied Science.

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 the requirements for two degree programs (which are approved by the Arkansas Higher Education Coordinating Board), the student will earn either a bachelor's degree with two majors ("double major") or two bachelor's degrees ("double degree"). Which of these degrees is awarded depends on one of the following:

**Double Major:** A student will earn a "double major" when both majors lead to the same degree name and/or are options within the same discipline or degree program. For example, if a student meets both requirements for the B.S., Business Administration in Management and B.S., Business Administration in Finance, the student will earn a single B.S. degree with a double major. A student earns a "double major" when requirements for both majors are completed concurrently.

**Double Degree:** A student will earn a "double degree" when the two majors lead to differently-named degrees (e.g., B.A. versus B.S.) or are in two different disciplines. For example, a

student who completes the requirements for the B.S. in Criminal Justice and for the B.S. in Psychology will earn a “double degree”. A student who completes the requirements for the B.S. in Chemistry and for the B.S. in Physics will also earn a “double degree”. The “double degree” must be completed concurrently and the two majors must not share major required core courses.

### Freshman 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.

### 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 (pass or fail).

### Grading System

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



## Grade Changes

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

## Student Academic Grievance Procedure

### 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 this 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.

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

option of empowering a panel of professors to review the allegations made by the student, render a judgment, and recommend an action for the Chancellor to implement. The decision of the Chancellor will be final.

### Honors Graduation

Honors provide 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:

<b>HIGHEST HONOR</b> (Summa Cum Laude)	3.75-4.00
<b>HIGH HONOR</b> (Magna Cum Laude)	3.50-3.74
<b>HONORS</b> (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.

<b>Chancellor's List</b>	4.00
<b>Dean's List</b>	3.50-3.99
<b>Honor Roll</b>	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 Grades (“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.
4. The instructor must complete AA Form 11B (Report of “I” grade) and file a copy in the department chairperson’s office along with a copy of the student’s petition. This form must include the signature of the instructor, the specific requirements to be completed, and a pre-calculated grade in case the student does not fulfill the necessary assignments for the completion of the course.
5. 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.
6. The instructor, or the department chairperson, in the absence of the instructor, is responsible for reporting the final grade change to the Office of Academic Records. The instructor should secure an “Incomplete” grade report form from the department chairperson or the office of Academic Records and submit the form personally to Academic Records.
7. Students are not permitted to have access to Change of Grade forms. If the grade is not changed by the instructor, the department chairperson will submit the “Change of Grade” form with the pre-calculated grade as indicated on AA form 11B.

8. 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 or the "I" grade will change to an "F" grade. (Example: An incomplete earned during the Fall semester must be made up by the end of the Spring semester).

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

### Academic Jeopardy, Suspension, and Readmission

Students are in academic jeopardy when their cumulative averages fall below 2.00 but above the averages specified for probation (see **Table 2**). These students may not exceed the corresponding maximum hours as indicated in **Table One (1)**.

Credit Hours Attempted	Cumulative G.P.A.	Maximum Hours
0 – 16	1.50 – 2.00	12.00
17 – 32	1.60 – 2.00	12.00
33 – 48	1.70 – 2.00	12.00
49 – 64	1.80 – 2.00	12.00
65 – 80	1.90 – 2.00	12.00
81 – 96	1.90 – 2.00	12.00
97 and above	2.00	12.00

The University places students on **academic probation** when their cumulative grade point averages fall below those corresponding to the particular semester hour credit range given in **Table 2**. The load for students on academic probation may not exceed 13 hours. The University places students on **academic suspension** when their grades fall below those corresponding to the particular semester hour credit range given in **Table 2** for two consecutive semesters. The period of 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 suspension.

Semester Hours Attempted	Cumulative G.P.A.
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

Students should refer grievances relating to academic probation and suspension for academic reasons to the Student Appeals Committee for review and recommendation. The committee forwards denied petitions to the Vice Chancellor for Academic Affairs for final disposition.

## 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 a minor, twenty-four (24) hours. These requirements do not include General Education courses. The minimum requirement for a baccalaureate degree is one hundred twenty-four (124) hours.

Unless otherwise specified, 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

If a student repeats a course, the University uses the highest grade earned in the course when computing the student's average. A student may repeat for credit to improve his grade point average any course in which the final grade is "D" or less. In order to receive proper credit for the course, the student must file a "Repeat Card" with the Admissions and Academic Records Office if the course was taken prior to the fall semester 1993.

**NOTE:** Student **MUST RE-REGISTER** for the course.

## 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 Changes

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

### Transcript Requests

The University does not issue transcripts without the written consent of the student. Students requesting transcripts must present photo identification. Students should allow a three day processing period.

The University makes one free transcript available to each student. Additional transcripts cost \$4.00 each. Students should make checks, money orders or cashier's checks payable to the University of Arkansas at Pine Bluff.

The University conforms to Act 351 for the State of Arkansas (1991), which "prohibits the making, forging, or counterfeiting of a transcript, diploma, or grade report."

### Withdrawal from the University

A student voluntarily withdrawing from the University should follow the procedure outlined below.

1. Secure a Student Withdrawal Slip from the Academic Records Office at least seven (7) days prior to final examinations.
2. Secure approval from the major department chairpersons and the Vice Chancellor for Academic Affairs.
3. Secure clearance from the Student Account's Office.
2. Return the approved slip to the Academic Records Office promptly.

**NOTE:** A student must apply to the Student Account's Office for a refund of fees; if applicable (see Refund Schedule).

### General Education and Institutional Requirements

TEACHING MAJORS	Credit Hours	Total Credit Hours
<b>COMMUNICATION</b>		<b>12</b>
English Comp. 1311, 1321	6	
Literature 2300, 2360 or 2361	3	
Oral Communication 2390	3	
<b>NATURAL SCIENCE &amp; MATHEMATICS</b>		<b>11</b>
Biological Science 1450 (or above)	4	
**Physical Science 1411 (or above)	4	
College Algebra 1330 (or above)	3	
<b>HUMANITIES (Any two courses)</b>		<b>6</b>
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	
<b>SOCIAL SCIENCE</b>		<b>12</b>
U. S. History 2315 or 2318	3	
American Government 2312	3	
Social Science Electives	6	
<b>HEALTH &amp; PHYSICAL EDUCATION</b>		<b>6</b>
***Physical Education 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121 ( <i>Elect One</i> )	1	
Personal Health & Safety 1310	3	
Health Education 3224 or	2	
Safety Education 3225		
<b>INSTITUTIONAL REQUIREMENTS</b>		<b>3</b>
Personal & Social Development 1210	2	
Career & Life Planning 1120	1	
<b>***MILITARY SCIENCE (optional)</b>		
Military Science 1210, 1220		
**As an option, students may enroll in Astronomy 1445 ***As an option 1 hour of Military Science may satisfy 1 hour of Physical Education only ****Students with ACT scores of 30 or above may enroll in Calculus I - MATH 2310; students with scores of		



**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:

<b>NON-TEACHING MAJORS</b>	<b>Credit Hours</b>	<b>Total Credit Hours</b>
<b>PHYSICAL EDUCATION</b>		<b>4</b>
Physical Education 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1118, 1119, 1120, 1121 ( <i>Elect Two</i> )	1	
Personal Health & Safety 1310 or	3	
HUSC 1311 Nutrition & Wellness	3	
<b>SOCIAL SCIENCE REQUIREMENTS</b>		<b>9</b>
U.S. History or American Government	3	
Social Science Electives	6	
<b>ASSOCIATE DEGREE CANDIDATES</b>		
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 above)	3	
Biological Science 1450 or Physical Science 1411 (or	4	

**Notes:**

1. 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.
2. Act 874, passed by the Arkansas Legislature in 1993, requires all college students to be tested on their learning in the general education curriculum. Students who have completed no fewer than 45 and no more than 60 college level credits (excluding remedial courses) are required to take the Collegiate Assessment of Academic Proficiency (CAAP), 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.

3. 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).
4. 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.

### **Student Assessment**

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

1. \*The Comprehensive Test of Basic Skills (CTBS/4), Form A – a diagnostic test to be taken the first semester of the student's freshman year.
2. The CTBS/4, Form B – required of all students taking Reading 1212 and/or 2213, English 1310, General Math 1310, and/or Intermediate Algebra 1320 (to be taken upon completion of all developmental courses).
3. \*The Arkansas Assessment of General Education (AAGE) – also referred to as the Rising Junior Examination (See Note #2 above).
4. The University College Exit Examination – required of all students with more than 60 college level credits who did not take the AAGE).
5. \*The English Proficiency Examination or Common Examination – required of all students except those who have passed the English portion of the PPST or certain other specialization tests required by a specific program or discipline.
6. Standardized/Criterion Referenced Examinations – required by specific disciplines.
7. \*Comprehensive Examination covering the discipline in which the student majors--to be taken the semester the student expects to graduate.

\*Required of all students.

## **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 learn 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.

## 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:

<b>Undergraduate Enrollment</b>			
<b>General Registration</b>	1st Semester	2nd Semester	
In-State Tuition	\$148.00	\$148.00	Per Credit Hour
Out-of-State Tuition	337.00	337.00	Per Credit Hour
<b>Residence Hall Fees</b>			
Residence Hall (Double Occupancy)	1st Semester	2nd Semester	Yearly
Johnny B. Johnson	2100.00	2100.00	4200.00
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
Delta Complex	3100.00	3100.00	6200.00
All Other Residence Halls	2600.00	2600.00	5200.00
<b>Note: In times when residence hall assignments exceed capacity, alternate locations and rates may apply.</b>			
<b>Residence Hall Fees (Triple Occupancy)</b>			
Residence Hall	1st Semester	2nd Semester	Yearly
Johnny B. Johnson	1475.00	1475.00	2950.00
Delta Complex	1500.00	1500.00	3000.00
All Other Residence Halls	1300.00	1300.00	2600.00
<b>Board Rates (Regular Semester)</b>			
20-Meal Plan	1600.00	1600.00	3200.00
10-Meal Plan with \$150 declining balance	1600.00	1600.00	3200.00
15-Meal Plan with \$75 declining balance	1600.00	1600.00	3200.00
<b>Commuter Meal Rates</b>			
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

<b>Miscellaneous Fees</b>	
* Matriculation Fee	37.00
**Facility Fee (on campus)	15.50/Credit Hour
**Athletic Fee (on campus)	17.00/Credit Hour
**Transportation Fee (on campus)	1.50/Credit Hour
Technology Fee (on/off campus)	10.00/Credit Hour
<b>**Student Activity Fees</b>	
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
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
<b>Graduate Students</b>	
In-State Tuition	187.00/Credit Hour
Out-of-State Tuition	425.00/Credit Hour
***Application Fee	37.00
<b>North Little Rock Site (Undergraduates)</b>	
In-State Tuition	190.00/Credit Hour
Out-of-State	380.00/Credit Hour
<b>Distance Learning Courses</b>	
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
<b>Family Financial Planning On-Line Courses (Undergraduate and Graduate)</b>	
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](http://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:

### 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 (5<sup>th</sup>) class day of the semester—100%
- From the sixth (6<sup>th</sup>) class day thru the tenth (10<sup>th</sup>) class day of the semester—50%
- The eleventh (11<sup>th</sup>) class day of the semester and thereafter--**NO REFUND**

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 will 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 you to divide your expenses into equal monthly installments. Through the plan, your 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 2014

\*In-State Students: Tuition is \$148.00 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 \$337.00 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](http://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 Pine Bluff is approved for veterans training. The University expects the veteran to make payments according to the same schedule as other students. Because training allowance checks usually begin thirty to sixty days after registration, the veteran registering with VA authorization should make his/her own arrangements for meeting the required schedule of payments.

### **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 student pay the cost of attending the university. Most financial aid resources are based on the student's 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 PIN, a personal identification number. A PIN lets you apply, "sign" your online FAFSA and make corrections to your application all online. If you are providing parent information on the FAFSA, one of your parents also must sign your application and to do so electronically. Your parent must also apply for a PIN. Go to [www.pin.ed.gov](http://www.pin.ed.gov).
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](http://www.fafsa.ed.gov). Apply as soon as possible on or after January 1st of each year.
4. Review your Student Aid Report (SAR)—the result of your FAFSA application. Once your application is processed you will receive an email

with a link to your SAR. If necessary, make changes or corrections and resubmit your 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, you will be required to submit a verification worksheet and a signed copy of all U. S. Income Tax returns.

Once a student's aid is determined, an award letter will be sent. The purpose of the award letter is to identify the types of aid individual students are eligible for and to allow for the denial of each type of aid. Award letters must only be returned to the UAPB Office of Student Financial Services if aid is being declined or a reduced amount is requested.

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 2014-15 award year, the maximum Federal Pell Grant is \$5,730.

### **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), your academic record will be reviewed to verify you have made satisfactory academic progress toward earning your degree. 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.

### Graduate Students:

All graduate students must maintain a minimum cumulative GPA of 3.00.

Hrs. 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—186 hours**  
**Graduate Students—45 hours**

All coursework attempted, including periods when 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 changes 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 (5<sup>th</sup>) 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...

- Denied: Students who are denied will not be eligible to receive federal financial aid.
- 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.

## 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. If 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](http://www.adhe.edu).



### **Academic Challenge Scholarship**

(Funded by the Arkansas Scholarship Lottery): Traditional (students who enter college within 12 months after graduating from high school) non-traditional students and current academic achievers 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.

**Current academic achievers** are students who entered college within 12 months after graduating from high school, are currently enrolled, and completed at least 12 college hours each semester.

These students must have at least a 2.5 college GPA to qualify.

### **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.

### **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.

**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.

**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.

**Teacher Opportunity Program:**

A reimbursement grant is available for teachers and administrator. Teachers may apply for reimbursement for out-of-pocket expenses paid for up to six (6) college credit hours completed during the year.

**State Teacher Education Program (STEP):**

Assistance is provided to eligible teachers with repayment of outstanding federal student loans. The loan repayment is for certified teachers who teach in a public school located in a geographical area of the state designated as having a critical shortage of teachers or in a subject matter area designated as having a critical shortage of teachers or both; certified minority teachers who teach in a public school in the state may also be

eligible. Loan repayment amounts vary and are based upon numbers of years of teaching per the program rules and regulations. The minimum repayment amount is \$1,000. The Arkansas Department of Higher Education shall administer the State Teacher Education Program (STEP) within the policies set by the Arkansas Higher Education Coordinating Board.

**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.

**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.

**University 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:**

Renewable scholarships in the amount of \$2,500 per year awarded to students with a 3.5 GPA awarded to eligible students for up to 8 semesters that maintain

a 3.5 GPA and complete at least 15 hours per semester.

**University Scholarships:** Full tuition, room and board scholarships 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 a 3.20 GPA and complete at least 15 hours per semester. The scholarship may be received for a maximum of 8 semesters.

**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 transfers student 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.

**Jewell Minnis Scholarships:** Non-renewable scholarships in the amount of \$800 per year awarded to Arkansas residents who are

first-time freshman with ACT scores of 19 and a 2.5 GPA.

**Charles and Nadine Baum Scholarships:** Scholarships valued at \$1,000 per year awarded to students with an ACT score of 22 and a 3.0 GPA. Recipients must complete at least 12 hours per semester with a 2.85 GPA for the scholarship to be renewed.

**Wiley A. Branton Scholarships:** Applicants must have an interest in law, business or teaching and submit a 3 page essay on the works of the late Wiley A. Branton. A minimum G.P.A. of 3.2 and an ACT score of 21 are required for entering freshman.

**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 in-coming 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.

**Art Scholarships:** Contact the UAPB Art Department for scholarship information.

**Speech and Drama Scholarships:** Contact the UAPB the Department of English, Theatre, and Mass Communication for scholarship information.

**Chancellor's Hardship Scholarships**

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

**Cheerleaders' Scholarships:**

Contact the head cheerleader coach, Ms. Karen Blunt, at blunk@uapb.edu or by telephone at (870) 575-7702 for scholarship information.

**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.

**Department of Human Sciences Scholarships**

Refer to the Alumni Endowment Scholarships for more scholarship opportunities for this major.

**Lucinda McElwee Glover Scholarship**

This scholarship is given to a major in the Department of Human Services with sophomore standing, financial need, and an overall GPA of 3.0 or better. The student must be an individual of good character and possess a friendly disposition.

**Ester and Tundle Fahm Scholarship**

This scholarship is given to a major in the Department of Human Sciences with sophomore standing, financial need, and an overall GPA of 3.0 or better. The student must be an individual of good character and possess a friendly disposition.

## **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.

**R.C. Childress Scholarship:** This scholarship fund is supported by the Inola H. Childress Estate. A minimum of two scholarships will be awarded annually (does not cover out-of-state tuition). The recipient of this scholarship must be a sophomore, junior, or senior level student majoring in early childhood or middle level education, and be admitted to the School of Education. Only those with a 3.0 GPA or better will be considered. The applicant must write and submit a double spaced essay on the life of the late R.C. Childress as part of the application process.

**Royal Knight Society Scholarship:** This scholarship is given in honor of Dr. Johnny B. Johnson to a student majoring in

teacher education. The student must have demonstrated academic excellence (2.50 GPA or better), leadership, service and citizenship.

### **Hawkins Family Scholarship**

This scholarship is named after Busby Hannibal Hawkins and Mary Earnestine Johnson Hawkins. Awarded to a junior or senior level student with a major in teacher education who has earned a 2.5 GPA. The student or his/her parent(s) or legal guardian must be a legal resident of California, Illinois, Louisiana, Michigan, Mississippi, Missouri, New York, New Jersey or South Carolina and must be a registered voter.

### **James and Helen Bankston Scholarship**

The James and Helen Bankston Scholarship Fund was established by the Phi Beta Sigma Fraternity, family and friends of the late James F. Bankston. This fund provides two annual awards to students majoring in the field of vocational education, early childhood or middle school education. Students must have a 2.85 GPA if upper classman or a 3.00 GPA if an entering freshman.

### **Wanda Baskins-Thrower Teachers of Tomorrow Award**

This award is given to a sophomore, junior or senior majoring in early childhood, middle school or secondary education. The recipient must have a 2.35 GPA or better.

### **Cora D. McHenry Educational Scholarship**

The recipient of this scholarship must be a junior education major, have a 3.00 GPA or above. The recipient of this scholarship must be a full-time student enrolled in a minimum of at least 12 credit hours and a member of the AEA Student Education Association.

### **Calvin Johnson and Family Scholarship**

This scholarship is given to an education major with a minimum GPA of 2.5. The recipient may be entering freshman or enrolled student in good standing and must demonstrate leadership and academic excellence.

### **The Pine Bluff Chapter of Links, Inc. Scholarship**

A scholarship awarded to a student pursuing a degree in teaching. The recipient must be a junior admitted to the Teacher Education Program with a GPA of 3.00 or above and must exhibit high potential for leadership and need.

### **Herbert Carter/Tillie S. Kyle Scholarship**

Awarded by Mr. Herbert L. Carter this annual scholarship is awarded to a student interested in the teaching of reading.

### **Dr. and Mrs. Robert C. Haynie Scholarship**

This is a book scholarship awarded to a student majoring in Education.

### **Alumni Endowment Scholarships**

The following scholarships are awarded annually. Applications are available every January. Additional information may be obtained by contacting the Office of Alumni Affairs at (870) 575-8499.

### **Dan and Malissa Fulce Memorial Scholarship (undesignated)**

The recipient of the scholarship must have earned 60 semester hours, demonstrated qualities of leadership, exhibited good citizenship, demonstrated potential for professional growth and excellence, live in southwestern Arkansas and have a 2.75 or better GPA.

### **Jimmy and Vicki Hammock Award:**

The recipient of the scholarship must be an upperclassman, have a GPA of 2.75 or better, exhibit good citizenship, and demonstrate professional promise. The Elementary Education scholarship will be awarded odd years and the Business Administration scholarship will be awarded even years.

### **Vernon O. White, W.B. & Minnie White Family Scholarship (formerly Lewis Jackson & Vernon White Scholarship)**

This scholarship is provided perpetually through a gift from Mrs. Nannette White Jackson '41, in memory of her late husband and

brother. The award will be made to a student in the Department of Agriculture, who has maintained a GPA of 3.0 or above in his/her major area, and demonstrates outstanding qualities of leadership, good citizenship, and shows professional promise in the field of agriculture.

**Lewis, Jerry, Nannette White Jackson-Mae Grayson Hamilton Award**

This scholarship is provided perpetually through a gift from Mrs. Nannette White Jackson '41. The award will be made to a student in the Department of Agriculture, who has maintained a GPA of 3.0.

**Dr. Walter Littlejohn Golf Scholarship**

The male recipient of this scholarship must be a member of the golf team, have a GPA of 2.5 or better, possess leadership skills, and participate in campus activities.

**Charlie and Jeanetta Nelms Scholarship**

The recipient of this scholarship must be an upperclassman from Cross, Crittenden, St. Francis or Lee Counties, a GPA of 2.75 or better, be actively engaged in student and academic activities, and demonstrate professional promise. The agriculture scholarship will be awarded odd years and the mathematics scholarship will be awarded even years.

**Harvey and Adell Ross Scholarship:**

The recipient of this scholarship must demonstrate a strong interest and dedication to the study and advancement of the science field. A high scholastic achievement must be maintained and financial need should be demonstrated.

**Samuel and Zelma Staples Scholarship**

The recipient of this scholarship must be an upperclassman having a GPA of 2.05 or better and/or a resident of the Southern California area and must have financial need. The nursing scholarship will be awarded odd years and the art scholarship will be awarded even years.

**Clyde and Sallie Toney Award:**

The recipient of this scholarship must be a sophomore, junior or senior Elementary Education major, have a GPA of 2.75 or better, exhibit good citizenship, an active participant of campus activities, and demonstrate professional promise.

**Harold and Deborah Vault Scholarship:**

This award will be given annually to an entering freshman from Arkadelphia/Cotton Plant, AR who has a 2.75 GPA or better, exhibits good citizenship, and demonstrates professional promise. First priority will be given to students from Arkadelphia, AR.

**Harold and Deborah Vault**

**Scholarship:** This award will be given annually to an entering freshman who is a member of the Vesper Choir, having a 2.50 GPA or better, exhibits good citizenship, and demonstrates professional promise.

**Harold and Deborah Vault**

**Scholarship:** This award will be given annually to a student majoring in Agriculture who maintains a 2.75 GPA or better, has 28 or more semester hours, exhibits good citizenship, and demonstrates professional promise.

**Harold and Deborah Vault**

**Scholarship:** This award will be given annually to a student majoring in Education who maintains a 2.75 GPA or better, has 28 or more semester hours, exhibits good citizenship, and demonstrates professional promise.

**Harold and Deborah Vault**

**Scholarship:** This award will be given annually to a student from Lake Village, AR or a member of the football team who maintains a 2.75 GPA or better, has 28 or more semester hours, exhibits good citizenship, and demonstrates professional promise. First priority will be given to students from Lake Village, AR.

**Chapter Awards****Atlanta, Georgia Alumni Chapter Scholarship:**

This scholarship is awarded to a student having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Chicago Alumni Chapter Scholarship:**

A scholarship, in memory of Mr. Lawrence A. Dozier, is awarded to a student matriculating at UAPB who has shown academic excellence (GPA of 3.00 or above), and who has demonstrated outstanding qualities of leadership, exhibited good citizenship, and demonstrated good professional promise.

**Cleveland, OH Alumni Chapter Scholarship:**

This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Dallas/Ft. Worth Alumni Chapter Scholarship:**

This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship, and demonstrated good professional promise.

**Detroit, MI Alumni Chapter Scholarship:**

This scholarship is



awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Gateway Alumni Chapter Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership and demonstrated good professional promise.

**Greater Kansas City Alumni Chapter Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Greater Little Rock Alumni Chapter Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Memphis, Tennessee Alumni Chapter Scholarship:** This scholarship is awarded to a student having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Northern California Alumni Chapter Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Pine Bluff/Jefferson County Alumni Chapter Scholarship:** This award is awarded to a student having achieved academic excellence, demonstrated qualities of leadership, and demonstrated good professional promise.

**Southern California Alumni Chapter Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise. Priority will be given to students with permanent residence in the State of California.

**UAPB/AM&N Washington, D.C. Alumni Chapter Scholarship:** The recipient of this scholarship must have earned 30 semester hours. The student should exhibit good citizenship and demonstrated professional promise.

## Class Awards

**Class of 1937 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1940 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1941 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1943 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1947 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good

citizenship and demonstrated good professional promise.

**Class of 1948 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1949 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1953 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1955 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1958 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good

citizenship, and demonstrated good professional promise.

**Class of 1959 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1960 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1961 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1964 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1965 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good

citizenship and demonstrated good professional promise.

**Class of 1966 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1968 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1970 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**Class of 1971 Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good citizenship and demonstrated good professional promise.

**J. C. Corbin Alumni Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership exhibited good

citizenship and demonstrated good professional promise.

### **Scholarships (Undesignated)**

#### **Robert Adams, Dr. William Moore and Trice Families**

**Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

#### **Barraque Street Baptist Church**

**Scholarship:** This scholarship is provided perpetually through a gift from the Barraque Street Church. The recipient of this scholarship will be a sophomore, junior or senior level student pursuing a degree from the University of Arkansas at Pine Bluff. The student must have 30 semester hours, a 2.75 GPA, demonstrate qualities of leadership, good professional promise, high moral standards, academic achievement and need.

#### **Etta Nall Bates Scholarship:**

This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

#### **Dorothy F. Bennett Scholarship:**

The Dorothy F. Bennett Scholarship was established in 1992 by her family and friends.

Mrs. Bennett, an alumna '37 and long time supporter of UAPB, was an educator in the Camden, Arkansas and Cleveland, Ohio public schools. The criteria for this scholarship include achievement leadership qualities and financial need.

**Bernice Berrymon Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

#### **Lawrence A. Davis, Sr. Award:**

This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

#### **Robert H. Ferguson Award:**

This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise. Priority will be given to students with permanent residence in the State of California.

#### **Elihue M. Harris, Sr. Scholarship:**

This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good

citizenship and demonstrated good professional promise.

**J. W. & Viessa Harris Memorial Scholarship:** The children of Mr. & Mrs. J. W. Harris annually present in honor of their parents an award to a student from Jefferson County, Pine Bluff, Arkansas, on the basis of need, leadership ability and sound moral character. The recipient must have a 2.3 GPA or better.

**International Faculty Scholarship:** This scholarship is to be given to individuals of outstanding academic development and growth. The applicants must have exhibited goals and standards. It is to be expected that the recipient will have shown evidence of sound moral character and an interest in relating positively to people.

**Nettie H. Johnson Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership and professional promise and exhibited good citizenship.

**Kappa Alpha Psi Fraternity Award:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Lamb Family Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Corliss Latimore-Ragan Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**UAPB 1991 NAFEO Distinguished Alumni Scholarship (Mr. Kenneth Fobbs '74, Atty Jerry Hunter '74, Dr. J. W. Mason '70, Mr. Freeman McKindra '62, Mr. Johnnie Stubbs '60 and Dr. William Willingham '64):** This scholarship is provided by alumni who received recognition for excelling in their careers and providing outstanding public service or otherwise made a significant impact on society by the National Association of Equal Opportunity in Higher Education in 1991. This scholarship will be awarded annually and the student must have a minimum of 30 semester hours, 3.0 GPA, exhibit good citizenship and demonstrate professional promise. Proceeds will be used for required tuition, fees, textbooks and supplies.

**UAPB Pan Hellenic Council**

**Scholarship:** This scholarship is awarded to a student matriculating at UAPB who has shown academic excellence, (GPA of 3.00 or above and must have 30 semester hours), who has demonstrated outstanding qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Southwestern Bell Employees**

**Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**W. Nelson Talbert Memorial**

**Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise. Priority will be given to students with permanent residence in the State of California.

**Marguerite P. Williams**

**Scholarship:** This scholarship is awarded to a student for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Eunice & Dorothy Williams**

**Scholarship:** This scholarship is awarded to a student having earned 28 semester hours and a GPA of 3.0 majoring in any academic area. The student should exhibit good citizenship, demonstrate professional promise and leadership skills.

**Designated Scholarships****Alumni Golf Tournament**

**Scholarship:** This award will be given annually to a golf student who maintains a 2.75 GPA or better, exhibits good citizenship and demonstrates professional promise.

**Arkansas Classic Golf Tournament Scholarship:**

This award will be given annually to a golf student who maintains a 2.75 GPA or better, exhibits good citizenship and demonstrates professional promise.

**James & Wheirmelda Potts Anderson Scholarship:**

The recipients of this scholarship must have earned 30 semester hours majoring in Health and Physical Education (even year) and Biology (odd year). The student should exhibit good citizenship and demonstrate professional promise.

**Ella & Ellsworth Averett**

**Scholarship:** This award will be given to an outstanding freshman athlete who will be participating in varsity football, basketball or track at UAPB. The recipient must have

a GPA of 2.5 or better and have good moral character.

**Thomas & Mildred Baskins**

**Scholarship:** This scholarship will be given annually to a student in Agriculture (even year) and Elementary Education/Library Science (odd year). The student must have earned 30 semester hours with a grade point average of 2.5 or above, exhibit good citizenship and demonstrate professional promise.

**Elmer & JoAnn Miller Bell**

**Scholarship:** This scholarship will be awarded to a full-time student in English (even year) and Art (odd year) who has completed 30 semester hours of study and has a GPA of 3.0 or above. This student must show outstanding leadership potential, citizenship, be of good moral character, be an active participant in extracurricular departmental activities and demonstrate a willingness to work diligently.

**Russell T. Bennett Scholarship:**

This scholarship is given annually to a student in the Department of Chemistry. This student must have maintained a GPA of 3.0 or above in their major area and have demonstrated outstanding qualities of leadership, good citizenship and demonstrated outstanding professional promise.

**Ezell and Grace Branch**

**Scholarship:** This scholarship given by the children of Ezell and

Grace Branch will be given annually to a sophomore, junior or senior level student majoring in the field of education. He/she must have cumulative 2.5 GPA. The recipient is selected by the Dean of the School of Education or his designee. The scholarship may be used for required tuition, textbooks, supplies or fees.

**Dr. Rufus L. Caine, Sr. Award:**

The recipient of this scholarship must be an athlete majoring in Biology/Chemistry, a GPA of 3.0, a U.S. citizen, in good standing, has demonstrated high moral character and requires financial assistance to continue school. Biology scholarship will be awarded even years and Chemistry scholarship awarded odd years.

**John B. Clark Scholarship:**

This scholarship is awarded in honor of the late John B. Clark, Extension Farm Management Specialist at UAPB. The award is made to an upperclassman (60 or more hours) Agriculture Econ/Business major who has maintained a GPA of 3.00 or above, demonstrated professional promise and leadership skills and been active in departmental or school extracurricular activities.

**Class of 1950 Award:**

This award is given annually to a student who maintains a GPA of 3.0 or better and who has demonstrated qualities of leadership, exhibited good citizenship and

demonstrated good professional promise in teacher education-majoring in any discipline.

**Class of 1951 Award:** This award will be given annually to a junior or senior student in the Nursing Department who maintains a 3.0 or better, must be an Arkansas resident, must have completed each nursing course without failure and is adjudged as having exemplified service on the campus and in the community. Applicant must not hold a current license to practice as a registered nurse.

**Chicago, Illinois Alumni Chapter (Band) Scholarship:** This scholarship is awarded to a student in the band for having achieved academic excellence, demonstrated qualities of leadership, exhibited good citizenship and demonstrated good professional promise.

**Chicago, Illinois Alumni Chapter (Golf) Scholarship:** This award will be given annually to a golf student who maintains a 2.75 GPA or better, exhibits good citizenship and demonstrated professional promise.

**Hubert O. Clemmons Scholarship:** This award will be given annually to an outstanding athlete that exemplifies a financial need, exhibits good citizenship and demonstrates professional promise and have good moral character. The recipient must have a GPA of 2.5 or better.

**Larry B. Cooper Scholarship:**

The recipient of this scholarship must have earned 30 semester hours majoring in an area in the School of Arts and Sciences. The student should exhibit good citizenship and demonstrated professional promise. Only those with a 3.0 GPA or better will be considered.

**Harry L. & Mildred F. Cross Scholarship:**

This scholarship will be awarded to a full-time major in Accounting (odd year) and English (even year) with a GPA of 3.00 or above. The student must show interest in the department and campus activities and exhibit leadership potential.

**Alma Rodger Dalton Scholarship:**

The recipient of this book scholarship must be an upperclassman with 30 or more hours majoring in Elementary Education a 2.5 GPA or better.

**William & Willie Daniels Scholarship:**

This scholarship will be given annually to a sophomore registered nursing student who maintains a 2.75 GPA or better.

**Sylvester Early Memorial Scholarship:**

This scholarship is awarded to a student in the Department of Business and Economics. The student must have demonstrated qualities of leadership, exhibited good professional promise and has a cumulative grade point average of 3.0 or above.



**Gladys Turner Finney Award:**

This scholarship is awarded to a student majoring in Social Work.

**Phyllis Flowers-Greenhouse**

**Scholarship:** The Phyllis Flowers-Greenhouse Scholarship is given Delta Sigma Theta Sorority, Inc., in memory of the after Dr. Phyllis Flowers-Greenhouse who served as Chairperson for the Department of Home Economics (currently the Department of Human Sciences) for 26 years. This scholarship is given to an outstanding student majoring in any area of Human Sciences who has an overall GPA of 3.0 or better, who is active in department and campus activities, who demonstrates the potential for professional growth and who has completed at least 30 or more semester hours.

**Golden Lion Award:** A scholarship is given to a top ranking, incoming freshman who is pursuing a pre-health studies in Biology. The recipient maintains the scholarship for four years.

**Harris Family Scholarship (formerly Dr. Herbert C. Harris & Family Award):**

This award has been made possible through a gift from Dr. Herbert C. Harris of Chicago. The award will be given to a student possessing a GPA of 3.00 or better after having acquired 30 semester hours and shows general good conduct on campus and in the community. The award will go to a student in

pure science (even year) and teacher education (odd year).

**Correnthia Grant Harris Scholarship:**

The recipient of this scholarship must have earned 28 hours majoring in Business Education. The student should exhibit good citizenship, demonstrate professional promise and leadership skills. Only those with an academic standing of 2.5 GPA or better will be considered.

**David Hodge Memorial Scholarship:**

The Cosmopolitan Choir of Pine Bluff, Arkansas, annually awards a scholarship in memory of its founder, Mr. David Hodge. The award is given to a student in the Department of Music (Vesper Choir) with a minimum GPA of 3.0 or better and exemplifies on the campus and in the community the qualities of good citizenship and Christian commitment. The recipient must have completed thirty semester hours.

**O. R. & Irma Holiday Scholarship:**

This award is given annually to a student in Agriculture (even year) and Human Science (odd year). The student must have earned 30 semester hours with a GPA of 2.3 or above, exhibit good citizenship and demonstrates professional growth.

**John Howard Memorial Scholarship:**

A scholarship is awarded to and Art student with a GPA of 3.25 in major and a

cumulative average of 3.0. The student must have demonstrated artistic growth, good citizenship and be actively involved in departmental activities.

**Vernon O. White, W. B. & Minnie White Family Scholarship (formerly Lewis Jackson & Vernon White Scholarship):** This scholarship is provided perpetually through a gift from Mrs. Nannette White Jackson '41, in memory of her late husband and brother. The award will be made to a student in Department of Agriculture, who has maintained a GPA of 3.0 or above in their major area and have demonstrated outstanding qualities of leadership, good citizenship and show professional promise in the field of Agriculture.

**O. E. Jackson Award:** The daughters of Mr. O. E. Jackson annually present, in honor of their father, a cash award to a conscientious and reliable honor student who has a keen interest in foreign languages.

**Marine Jarrell Nursing Scholarship:** This scholarship is awarded to a sophomore student majoring in nursing with a cumulative GPA of 2.5 or above and from the Delta area. Single parent preferred.

**Benjamin "BJ" Johnson Award:** This scholarship is to be provided perpetually through a gift from Mrs. Ernestine F. Johnson in memory of her late husband. The award will

be made to a music student whose major instrument is piano and/or a member of the jazz band. The student must have completed 30 hours, maintained a GPA of 3.0, and must demonstrate outstanding qualities of leadership, good citizenship and the potential for success in the field of music.

**Johnny B. Johnson Award:** A gift of \$5,100 from Mr. James Z. Green, Class of 1961, has provided for a perpetual scholarship in honor of Dr. J. B. Johnson, retired Vice Chancellor for Academic Affairs. The award is given annually to a student possessing a GPA of 3.0 or better and whose conduct on campus and the community warrants it. The award will go to student majoring in Teacher Education.

**L.W. and Carutha Johnson Scholarship:** The late L.W. Johnson and his wife, outstanding educator and alumni, present annually a tuition scholarship in honor of their daughter, Dr. Lois J. Faucette. This scholarship is awarded to an English major exhibiting excellence.

**Willie M. Johnson Scholarship:** This scholarship is designated for a student from Lafayette County majoring in any discipline (odd year) and a student majoring in Theatre Arts/Mass Communications (even year) who has completed 30 semester hours of study with a 2.75 GPA or above. The student must exhibit good

citizenship and professional promise.

**Fred Thomas Jones, Sr. Scholarship:** This award, given by Marie Jones Griffin in honor of her father, is to be given annually to a junior senior student in the Nursing Department who maintains a GPA of 3.0 or better. The student must demonstrate dedication to the field of Nursing.

**John Kuykendall, Jr. Scholarship:** The recipient of this scholarship must be an upperclassman with 30 hours or more majoring in Elementary/Secondary Education or Agriculture Education having a 2.5 GPA or better. Scholarship for Elementary/Secondary Education awarded even years and Agriculture Education scholarship awarded odd years. The proceeds are to be used for tuition, textbooks or supplies only.

**John & Wilhelmina Epps Lewellen Scholarship:** The recipient of this scholarship must be an upperclassman majoring in Elementary Education with a GPA of 2.50 or above, a U.S. citizen in good standing; have demonstrated high moral character and require financial assistance to continue in school.

**Edythe E. Mays Scholarship:** Given in memory by Dr. Edward Mays, friends and family, this scholarship will be awarded annually to a student with abiding

interest and demonstrates excellence in Theater Arts must have a 2.75 GPA and have good moral character.

**Odell & Alberta McCamey (Dr. Delener S. McCamey) Award:** The recipient(s) of this scholarship must be an upperclassman majoring in Biology/Chemistry or Education, a U.S. Citizen, in good standing, has demonstrated high moral character and requires financial assistance to continue school. Biology/Chemistry scholarship will be awarded odd years and Education scholarship will be awarded even years.

**Vhaness B. McHenry Award:** This award will be given to an outstanding high school athlete who will be participating in football, basketball, or one of the minor intercollegiate sports at UAPB. The award will be given to a football player during each year, with the odd years split between basketball and one of the minor intercollegiate sports. The recipient must have GPA of 2.5, score 15 or above on the ACT and be of good moral character.

**Robert J. and Nellie Meekins Scholarship:** This scholarship is awarded to an African-American from Rison, Arkansas and/or must be an upperclassman majoring in Biology/Education. The recipient should possess a GPA of 2.5 or better. The Biology scholarship will be awarded odd years and the

Education scholarship will be awarded even years.

**New Hope AME Church Scholarship:** The Young Adult Sunday School Class of New Hope AME Church, Sherrill, Arkansas, awards a scholarship to a student majoring in Agriculture, Fisheries and Home Economics. The student must demonstrate qualities of leadership, good professional promise, high moral standards, academic achievement and need.

**George and Zora O'Neal Scholarship:** The George & Zora O'Neal Scholarship is awarded to Sociology/Social Work Student. The student must be a junior or senior maintaining a 3.0 GPA. The Sociology scholarship awarded in odd year and the Social Work scholarship in even year.

**Henry "JoJo" & Vivian Pennymon Award:** This award will be given annually to a student in the Industrial Technology who maintains a GPA of 3.0 or better, and is adjudges as having exemplified on the campus and in the community the qualities of good citizenship and Christian commitment.

**Irvin & Ruth Phillips Award:** This award will be given to an outstanding high school athlete who will be participating in football, basketball, or one of the minor intercollegiate sports at UAPB. The award will be given to a

football player (even year) and split between basketball and one of the minor intercollegiate sports (odd year). The recipient must have a GPA of 2.5, score 15 or above on ACT and be of good moral character.

**Shirley Jones-Shaw Scholarship:** This scholarship is awarded to an African-American student who has earned 28 semester hours majoring in Speech/Drama or Band/Choir. The student should exhibit good citizenship, demonstrate professional promise and leadership skills. Only those with an academic standing of 3.0 or better will be considered. Speech/Drama scholarship will be awarded even years and Band/Choir will be awarded odd years.

**Joe C. Smith Scholarship:** The recipient of the scholarship must be an African-American, have a minimum of 28 semester hours majoring in Agriculture, should exhibit good citizenship and demonstrate professional promise and leadership skills. The student must have 2.5 GPA or better to be considered.

**Harold S. Strong Scholarship:** This scholarship will be awarded to a full-time student majoring in Instrumental Music/Teaching with a GPA of 2.75 or above. The student must show interest in departmental and campus

activities and exhibit leadership potential.

**Odail Thorns, Sr. Scholarship:**

This scholarship is provided perpetually through a gift from Mr. Odail Thorns, Jr., in memory of his late father. The recipient of this scholarship will be a sophomore, junior or senior level student pursuing a degree from the School of Science and Technology majoring in Chemistry with a minimum cumulative GPA of 3.0. The proceeds will be used for required tuition, fees, textbooks and supplies.

**Townsend Park Alumni Scholarship:**

The recipient of this scholarship must have earned 28 semester hours majoring in any academic area. The student should exhibit good citizenship, demonstrate professional promise and leadership skills. Only those with academic standing of 2.75 GPA or better will be considered.

**B. A. & Gladys Turner Scholarship:**

This scholarship is awarded to an honor student who anticipates a career in public service. The recipient must also exhibit a cooperative spirit and the drive to improve and succeed.

**Shirley M. Williams Scholarship:**

The recipient of this scholarship must be an African-American, have a minimum of 28 hours majoring in Mathematics, should exhibit good citizenship, and demonstrate professional promise

and leadership skills. The student must have a 3.0 GPA or better to be considered.

**Rev. & Mrs. York Williams, Sr. Scholarship:**

This scholarship given by the children of York and Lillie Williams (the late York Williams, Edward Williams, Booker Williams, Barbara Webb, Alford Williams and Alfred Williams) will be given annually to a sophomore, junior or senior level student pursuing a degree in Education (even year) and Agriculture (odd year). The recipient must be a full-time student with a cumulative 2.50 GPA. The proceeds will be used for required tuition, fees, textbooks and supplies.

**Vinnie Willingham Lee Award:**

The recipient of this scholarship must be a junior or senior having an overall GPA of 3.0 and must be or have been involved in a volunteer service or civic engagement. Chemistry scholarship awarded even years and Physics scholarship awarded odd years.

**Other Scholarships and Educational Awards**

**Reserve Officer Training Corps (ROTC):**

The United States Army annually awards scholarship to highly motivated students with 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 State Board of Arkansas.

**Walton Delta Teacher Scholarships:**

The Walton Delta Teacher Scholars Program is designed to fund scholarships for African-American students majoring in Teacher 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.

**The Thurgood Marshall Scholarship:** The Thurgood Marshall Scholarship fund award 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.**

## SUPPORT SERVICES

### **Ralph Owens**

Dean for Student Activities

### **Carolyn L. Nelson**

Program Coordinator

### **Courtney Jackson**

Director of Student Union

### **Carl Honable**

Recreation Coordinator

## **Student Union**

The L. A. Davis Student Union, located on the west side of the campus, is the "Heart" of the university. It is the community center for the campus, promoting social, recreational, cultural, arts, educational, and individualized interest activities.

The Student Union provides activities for the development of all students, encouraging scholarly logic, diverse multicultural programs, and high expectations of student behavior, social interaction, use of leisure time, and cultivation and expression of varied student interests.

The Student Union building houses the Office of Student Involvement and Leadership, Student Government Association, Follett Bookstore, the game room area, Greek offices, community outreach program, intramural sports program, the student lounge, the cafeteria and snack bar area, and the *Arkansawyer* school newspaper office.

Information concerning campus events and activities may be obtained from the Office of Student Involvement and Leadership. The office, which serves as the campus clearing house, is responsible for the university's master calendar, provides current information about

events and schedules of activities on campus, student organizations and community outreach.

### Disability Services

University of Arkansas at Pine Bluff will comply 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 your professors is an essential step in accessing our educational programs. 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**

Student Counseling, Assessment and Development Center (SCAD) is located in Suite 207 of Caldwell Hall. The mission of Student Counseling, Assessment and Development 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 the 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.

## **STUDENT HEALTH SERVICES**

### **Belinda Holmes, Nurse**

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 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 semester. 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, it is the student's responsibility for payment. 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 uses 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 receive ongoing education and training on current health trends to support Health Services' Mission.
4. To assess the quality and quantity of activities in the Student Health Services and confirm the appropriateness of the mission that the users maintain the optimal level of health.

## **JOHN BROWN WATSON MEMORIAL LIBRARY SYSTEM**

**Edward Fontenette, Director**

The Library system of the University of Arkansas at Pine Bluff is composed of the John Brown Watson Memorial Library (the main library) and five satellites that work together to enhance the educational mission of the University by providing access to information sources through the design and development of instructional programs.

The goal of the Library system is to assure access to current and historical records of humanity through access of its new Discovery System, LION SEARCH, which provides a one-stop searching platform of the library system's 55 online databases that host over 100,000 full-text journal and newspaper articles. The main library is open seven days a week and houses a volume equivalence of 365,575 holdings, with 310 print journals and retrospective journals available to students in bound volumes or on microfilm.

The information resources at the University of Arkansas at Pine Bluff combine quantitatively and qualitatively to support the

undergraduate, graduate and doctoral programs of the University. Library staff members provide enthusiastic guidance and encourage end-users to readily seek help, when needed.

Forty-three computers are available in the main library along with Point-of-use instruction, provided by staff members, and classes or workshops on best techniques for accessing LION SEARCH. Students may also request virtual reference research assistance 24/7 through "QuestionPoint" and "Ask-a-Librarian" platforms accessible through the Library's page on UAPB's website: [www.uapb.edu](http://www.uapb.edu). The turn-around on these requests is 24-48 hours.

LION SEARCH also accesses all print holdings in the main library and satellites through the Library's page on UAPB's website. Document or InterLibrary Loan services are an extension of the Library's collections made available through reciprocal borrowing from participating libraries. Document service requests are available electronically on the Library's page under Research Databases.

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 cyberlibrary with access to its databases and online journals from any PC 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 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 depository of federal documents with a special collection of 2,512 print and media-formatted government and state documents. These documents are invaluable to researchers seeking primary sources. In addition, the library receives United Nations' documents.

Throughout the year, the professional library staff teaches an Information Literacy Program that includes: research topic development, research source selection and evaluation, writing a research paper, citing sources using MLA or APA style and avoiding plagiarism. Library staff members additionally deliver library orientation tours and remain available to assist patrons in any area of the library.

Special celebrations are planned by the Library for Black History Month and National Library Week that include multi-media presentations, open-mic Poetry Slams, book signings, Scavenger

Hunts, and featured presentations on national and global authors.

The library acquires and preserves special collections and a vertical file of materials for research on history, literature, cultures, the University, and the state of Arkansas. Included in these collections are a rich assortment of books, pamphlets, periodicals, photographs, maps, journal articles, and manuscripts.

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 also houses some rare Columbian artifacts.

The goal of the John Brown Watson Memorial Library System is 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*)

## 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. Student may compete in a number of activities, including flag football, basketball, volleyball, softball, tennis, handball, billiard, table tennis, chess, track, quiz bowl and other activities that students may request.

The UAPB Intramural Program operates with 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. The Single, Double Elimination, Tournament 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 eight social fraternities and sororities.

## **SCHOOL OF AGRICULTURE, FISHERIES AND HUMAN SCIENCES**

**James O. Garner, Jr.  
Dean/Director**

**Teki Hunt-Jimenez  
Assistant to the 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.
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 (Extention Horticulture Specialist IV)  
 Leslie J. Glover  
 Shahidul Islam  
 Mohammad Jalaluddin  
 Shadrach Okiror

### Associate Professors

Usman Adamu  
 Edmund Buckner  
 Tracy Dunbar  
 Jaheon Koo  
 Muthusamy Manoharan  
 Sixte Ntamatungiro



Bihu Huang

### **Assistant Professors**

Robert A. Fitz  
Ondieki Gekara  
Yong Park

### **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.
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, 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 hr.):

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

### **Suggested elective courses that may be suitable for**

Business Math FINA 2321  
 Business Law BADM 3314  
 Business Ethics MGMT 2200  
 Management Inf. System MIS 3350  
 \*Bus. Strat. and Policies MGMT 4350  
 Business Communications BUED 3301  
 \*\*Managerial Accounting ACCT 4310  
 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  
 \*\*Credit Analysis FINA 3321  
 \*\*Public Finance FINA 3330  
 \*\*Fin. Markets and Institutions FINA 3340  
 Managerial Finance FINA 4310  
 \*\*Commercial Banking Mgmt. FINA 4314  
 \*\*Portfolio Management FINA 4315  
 Cooperative Seminar AGRI 2100  
 Cooperative Internship AGRI 2600,  
 2601, 3601, 3602  
 College Grammar ENGL 3301  
 \*Introduction to Soils AGRI 2331  
 \*\*Soil and Water Management AGRI 3324  
 Special Problems AGRI 4300  
 \*\*Labor Problems ECON 4311  
 \*\*Business Conditions Anal. ECON 4390

### **Suggested electives for students planning to attend graduate school:**

College Trigonometry MATH 1340  
 Pre-Calculus MATH 1350  
 Calculus MATH 2310

\*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.

### **Electives for Regulatory Science Option**

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 MDL 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)**

An introductory course providing an overview of the degree program and its

various curricula options. Includes exposure to array of regulatory agencies and issues. 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/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 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)**

Basics 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.

### **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 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.

### **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 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 task 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 technique 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 students' advisor.

**Curriculum for Bachelor of Science in Agriculture Sciences  
(Agricultural Business 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
Intro. to Ag. Eng. Tech.	AGRI	2311	3	Art History App.	ART	2340	3
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
				Personal Health/Safety or	HLPE	1310	3
			16				16

**SOPHOMORE YEAR**

Amer. Government	PSCI	2312	OR	Elective	MATH		3
U. S. History	HIST	1321	3	*Principles of Chemistry I	CHEM	1430	OR
Science of Animals	AGRI	2311	3	Physical Science	CHEM	1411	4
Oral Communication	MCOM	2390	3	Intro. to Literature	ENGL	2300	3
Prin. Agri. Economics	AGRI	2312	3	Plant Science	AGRI	14214	4
General Psychology	PSYC	2300	3				
			15				14

**JUNIOR YEAR**

Business Elective	BUSI		3	Agriculture Cooperatives	AGRI	2301	3
Prin. of Accounting I	ACCT	2311	3	Prin. Of Accounting II	ACCT	23222	3
Principles of Finance	FINA	3310	3	Agriculture Finance	AGRI	3303	3
Prin. of Economics II	ECON	2320	3	Prin. Of Management	MGMT	3300	3
Computer Sci. Elective	CPSC		3	Principles of Marketing	MKTG	3300	3
			15				15

**SENIOR YEAR**

Intermediate Acct I	ACCT	3312	3	Agriculture Policy	AGRI	4352	3
Farm Management	AGRI	4311	3	Senior Seminar	AGRI	4202	2
Agriculture Marketing	AGRI	3325	3	Man, Envir. & Pollution	AGRI	3399	3
Intro to Int'l Trade	ECON	4305	3	Intermediate Acct II	ACCT	3322	3
Elective			3	Elective			3
			15				14

\* Preferred Courses



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

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Prin. Biology I	BIOL	1455	4	Music History App.	MUSI	2330	OR
Intro. to Ag. Eng. Tech.	AGRI	2311	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
			16	*Nutrition & Wellness	HUSC	1311	OR
				Pers. Health/Safety	HLPE	1310	3
							13
<b>SOPHOMORE YEAR</b>							
Amer. Government	PSCI	2312	OR	Elective	MATH		3
U. S. HIST	HIST	2315	3	*Principles of Chemistry I	CHEM	1430	OR
Science of Animals	AGRI	1321	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
<b>JUNIOR YEAR</b>							
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
<b>SENIOR YEAR</b>							
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

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

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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	ORR	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
<b>SOPHOMORE YEAR</b>							
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
<b>JUNIOR YEAR</b>							
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
<b>SENIOR YEAR</b>							
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				14

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

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
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
<b>SOPHOMORE YEAR</b>							
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
<b>JUNIOR YEAR</b>							
Plin. 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
<b>SENIOR YEAR</b>							
Farm Management	AGRI	4311	3	Genetics	AGRI	3350	3
Qual/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
				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 Excp. 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
			16	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	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

**Curriculum for Bachelor of Science  
Regulatory Science-Agricultural Science Option**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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 Dev.	BAS	1210	2
Learning to Lead	MLSC	1210		Intro. to Social Sci.	SOCI	1320	3
Reg. Science Seminar	AGRI	1101	1				
Career & Life Planning	BAS	1120	1				
			13				1
<b>SOPHOMORE YEAR</b>							
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	ICOM	2390	3
U.S. History Since 1877	HIST	2318		Plant Pathology	AGRI	2310	3
Intro. to Lit.	ENGL	2300	3 or				
ENGL 2360, ENGL 2361							
Personal Health & Safety	HLPE	1310	3				
			16				1
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.							
<b>JUNIOR YEAR</b>							
General Physics	PHYS	2410	4	Man Env. & Pollution	AGRI	3399	3
Prin. of Ag. Econ.	AGRI	2312	3	Ecology	BIOL	2360	
Agriculture Elective	AGRI		3	Intro to Epidemiology	AGRI	3352	3
Admin. Law & Gov. Reg.	AGRI	3312	3	Biostatistics	AGRI	3351	3
Introductory Soils	AGRI	2331	3	Introductory to Entom.	AGRI	3327	3
				Regulatory Internship I			1
				Agriculture Elective	AGRI		3
			16				1
<b>SENIOR YEAR</b>							
Risk Comm. & Assessment	AGRI	4331	3	Invest. 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
Indus. Agri. Mun. Pollution	AGRI	4385	3	Interpersonal Skills*	AGRI	4361	3
Codes Spec. & Law	TECH	2318	3	General Elective			1
			15				12

**Curriculum for Bachelor of Science  
Regulatory Science-Environmental Biology Option**

FALL SEMESTER		FRESHMAN YEAR		SPRING SEMESTER		
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
Reg. Science Seminar	AGRI 1101	1		Career & Life Planning	BAS 1120	1
Personal & Social Dev.	BAS 1210	2				15
		16				
		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				17
		17				
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 taking after an actual internship has been fulfilled.						
		JUNIOR YEAR				
General Physics I	PHYS 2410	4		General Physics II	PHYS 2420	4
Organic Chemistry	CHEM 3410	4		General Microbiology	BIOL 3470	4
Admin. Law & Gov. Pro	AGRI 3312	3		Regulatory Internship I	AGRI 3100	1
Codes & Spec. & Law	TECH 2318	3		Ecology	BIOL 2360	3
Introduction to Soils	AGRI 2321	3				12
		17				
		SENIOR YEAR				
Risk Comm. & Assessment Senior Seminar	AGRI 4331	3		Intro. to Epidemiology	AGRI 3352	3
	AGRI 4201	2		Invest. Pro. & Techniques	AGRI 4372	3
Directed Electives		3-4		Plant Taxonomy	BIOL 4350	3
Industrial Agri. Mun. Poll**	AGRI 4385	3		Interpersonal Skills*	AGRI 4361	3
Intro Entomology	AGRI 3327	3				12
		14				

\* Spring Odd Years \*\* Fall Odd Years

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

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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
<b>SOPHOMORE YEAR</b>							
Gen. Chemistry I	CHEM	1430	4	U.S. History	HIST	2315/ 2318	3
Humanities	HUMNN	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><b>NOTE: The student must have a 2.80 G.P.A. to obtain assistance with placement in the following Summer program.</b>  <b>SUMMER: Regulatory Internship Experience</b>  <b>NOTE: AGRI 3100 can only be taken after an actual internship has been fulfilled.</b></p>							
<b>JUNIOR YEAR</b>							
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
<b>SENIOR YEAR</b>							
Risk Comm. & Ass	AGRI	4331	3	Senior Sem.	AGRI	4202	2
Organic Chemistry I	CHEM	3410	4	Invest. Proc. & Tech	AGRI	4372	3
			3				
Code. Spec. & Law	TECH	2321	3	Organic Chemistry II	CHEM	3420	4
			3				
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
Prin. of Biology	BIOL	1455	4	Career & Life Planning	BAS	1120	1
Foundation of Ed.in Ag	AGRI	1301	3	General Botany	BIOL	1470	4
In <sup>Δ</sup> Δ <sup>n</sup> Science of Animals	AGRI	1321	3	Col. Algeb. <b>OR</b> Col. Trig.	MATH	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 <b>OR</b> U.S. Hist since 1877	HIST	2315/2318	<b>OR</b>
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. <b>OR</b> 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	<b>OR</b>
			16	Music Hist. & Apprec.	MUSI	2330	3
							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	AGRI	3307	3
Rural Electrification	AGRI	3231	2	<sup>Δ</sup> <sub>n</sub> 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 <b>OR</b> 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	Students must take 12 credit ScienceScieAgCourses			
World Regional Geog	GEOG	2360	3	hrs.of recommended agric.			
Assessing Mid/Sec Lear	EDUC	3306	3	science courses to replace			
*Classroom Beh. & Mgmt	SPED	3303	3	EDUC 4600 & VOED 4601			
			12				12
							120



## Department of Aquaculture and Fisheries

### Carole Engle, Chair

#### Professors

Carole Engle (Chair)  
Madan Dey  
Rebecca Lochmann  
Nathan Stone (Extension)

#### Associate Professors

Larry Dorman (Extension)  
Michael Eggleton  
Anita Kelly (Extension)  
Steve Lochmann

#### Assistant Professors

Yushun Chen  
Alf Haukenes  
George Selden (Extension)  
Lin Xie  
Jeonghwan Park  
Trace Peterson (Extension)  
Luke Roy (Extension)

#### 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 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. 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 \$700 million annually.

The Aquaculture/Fisheries Center of Excellence was created in 1988 by the Strategic Planning Council of the University of Arkansas System. This council is charged with formulating plans for economic growth and

development for the state of Arkansas. In 1993, the U.S. Department of Agriculture (USDA) selected UAPB for the USDA Aquaculture Center of Excellence. Scholarship programs exclusively available to departmental majors include those from the Catfish Farmers of Arkansas and the Trinity Foundation. Other school and university scholarships also are available for undergraduates.

The Department of Aquaculture and Fisheries is the administrative unit for the academic programs in aquaculture and fisheries 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.Sc. Degree in Fisheries Biology, the M.Sc. Degree in Aquaculture and Fisheries, and the Ph.D. degree in Aquaculture/Fisheries. Complete information on the M.Sc. and Ph.D. Degrees is included in the catalog of Graduate Studies.

### **Objectives of the Department of Aquaculture and Fisheries' B.Sc. Degree Program in Fisheries Biology:**

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 natural fisheries management, aquatic biology, ecology, and related environmental studies for employment with state and federal natural resource agencies or the private sector.
3. To prepare undergraduate students in the disciplines of aquaculture, fisheries, aquatic biology, ecology, and related environmental studies 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 environmental or aquatic sciences.

### **Facilities**

The Department of Aquaculture and Fisheries is housed on the second floor of **Woodard Hall**, which was originally built in 1950 but completely renovated in 2004-2005. This building houses the Center Director, faculty, research support staff, administrative and clerical staff, and graduate students. In this building, the Department 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 ponds, 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. Following the complete renovation of 20 ponds in 2011, 19 additional ponds are being reworked in 2013, with six ponds being converted into three experimental split-pond systems for research.

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 are managed under a cooperative agreement with the Arkansas Game and Fish Commission, and are 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 renovated Lonoke Diagnostic Laboratory is at the center of the US bait and feeder fish industry. The Lake Village Diagnostic Laboratory was also renovated and 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 APHIS Farm Certification Program. In 2012, these four laboratories handled more than 2,500 fish disease cases from more than 150 farms from 10 states. These disease cases included more than 40 different fish diseases affecting more than 30 species of fish. The UAPB lab alone performed more than 120 fish health inspections that included 85% of the Arkansas baitfish acreage.

The **S. J. Parker Agricultural Research Complex** houses several research laboratories that support the Center. One 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 aging, 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, one backpack electrofishing unit, work boats for trawling and various types of standard fish sampling gears (e.g., gill nets, trap nets, fyke nets, hoop nets, seines, trawls, and larval tow nets).

The department has additional laboratory space available in the **Holiday Hall Applied Science Building**. Opened in 2001 and 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

The Bachelor of Science degree in Fisheries Biology requires 120 semester hours. This includes 57 hours of general education and institutional requirements in addition to 32 hours of coursework in aquaculture and fisheries, and 31 hours of support coursework in biology, chemistry, and physics. The department currently has an approximately 4:1 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 Fisheries Biology and Aquaculture.

## Aquaculture Courses (AQFI)

### **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, and on-campus visits, and field activities are emphasized. Recommended for first-term freshmen that have declared a Fisheries Biology major. Lecture: 1 hour per week. No prerequisite. Offered fall term.

### **AQFI 2253/2153 BIOLOGY OF FISHES (3 credits) (formerly AQFI 2353)**

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, fish farmers, and administrators. Laboratory exercises include one dissection lab and three labs for developing a group presentation. Lecture: 2 hours per week. Laboratory: 2 hours per week. Prerequisite: BIOL 1455 (Principles of Biology). 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 details 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), 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 Fisheries Biology students enrolled in a bonafide internship in aquaculture or fisheries biology. 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. degrees. Prerequisite: Enrollment with Career Services and consent of the AQFI Undergraduate Coordinator. No

coursework prerequisites; students must meet 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 plants and animals. In addition, students are introduced to aquatic biology and ecology. Lecture: 2 hours per week. Laboratory: 2 hours per week. BIOL 1460 (Zoology), BIOL 2360 (Ecology) recommended. Offered fall term.

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

This course covers the principles of hatchery management that are applicable to many species of fish 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: 3 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 fish 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 in from fisheries management outside Arkansas also will be reviewed. Lecture: 3 hours per week. Prerequisite: AQFI 2247/2147. Offered spring term.

### **AQFI 4201 SENIOR SEMINAR (2 credits)**

A capstone seminar course that explores recent developments in aquaculture and fisheries biology. Course includes relevant readings, class discussions, and group projects. Course is taught jointly with Agriculture and Human Science senior seminar courses. Lecture: 2 hours per week. Prerequisite: Fisheries Biology major with senior status or consent of instructor. Offered spring term.

### **AQFI 4322 (formerly AQFI 4321) 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 discusses current issues related to natural resources, the economic theory relevant to these issues, and the analytical methods used to estimate values for natural resources, and approaches to 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, describe the margins, volumes, and product forms prevalent in major marketing channels. Students will also 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 will also focus on concepts, issues, and principles in practice; as well as models and theories guiding the practice. Lecture: 3 hours per week. Prerequisite: AQFI 2329/2129 (Aquaculture). 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: AQFI 2253/2153 (Biology of Fishes), BIOL 1460 (Zoology), and CHEM 1430 (Chemistry I); AQFI 2329/2129 (Aquaculture) recommended. 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 fall term odd years.

**AQFI 4V00 SPECIAL PROBLEMS (1-3 credits)**

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



**Curriculum for Bachelor of Science Degree  
in Fisheries Biology (120 hours)**

**FALL SEMESTER****SPRING SEMESTER****FRESHMAN YEAR**

English Composition	ENGL	1311	3	English Composition II	ENGL	1321	3
Principles of Biology	BIOL	1455	4	General Botany	BIOL	1470	4
College Algebra	MATH	1330	3	College Trigonometry	MAT	1340	3
Personal & Social	BAS	1210	2	Career & Life Planning	BAS	1120	1
Topics in Aqua. &	AQFI	1102	1	Personal Health &	HLPE	1310	3
Intro. to Social	SOCI	1320	3	Nutrition and Wellness	HUM	1311	3
Swimming	HLPE	1112	1				
			17				14

**SOPHOMORE YEAR**

Oral Communication	MCO	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	HUM	2301	3
Biology of Fishes	AQFI	2153	1	General Chemistry II	CHE	1440	4
General Chemistry I	CHEM	1430	4	US History	HIST	2315/	or
General Zoology	BIOL	1460	4	American Government	PSCI	2312	3
			17				17

**JUNIOR YEAR**

Limnology	AQFI	3329	3	Fisheries Management	AQFI	3371	3
Social Science			3	Technical Writing	JOUR	3350	3
Aquatic Animal Nutr	AQFI	4336	3	Ichthyology	AQFI	2462	4
Fisheries	AQFI	2247	2	Ecology	BIOL	2360	3
Fish. Techniques	AQFI	2147	1	Free Electives**			3
Free Electives**			3				
			15				16

**SENIOR YEAR**

Econ of Aqua & Nat	AQFI	4321	or	Organic Chemistry	CHE	2411	4
Mkt. & Pub. Rel. in	AQFI	4322	3	Senior Seminar	AQFI	4201	2
Physics I	PHYS	2410	4	Hatchery Management	AQFI	3360	or
				Fish Genetics	AQFI	4350	3
Free electives **			5	Free electives**			3
			12				12

Aquaculture and Fisheries Internships: AQFI 2601, 2602, 2603—6 credits each\*\*\* Special Problems: AQFI 4V00 1-3 credits\*\*\*\*

\*\*Students take electives with advisor's consent. \*\*\*Only one 6-credit course can count towards general elective requirement.

\*\*\*\*Variable credit course taken with consent of Instructor and Chair.

## Department of Human Sciences

Janette Wheat, Interim Chair

### Associate Professor

Loretta K. Crippen  
Makuba Lihono

### Assistant Professor

Charles Ihedioha  
Janette Wheat

### Instructors

Rita D. Conley  
Ying Hua Gao-Balch  
Alexandria Gray  
Lucille Meadows  
Rita Conley  
Jacquelyn Warnock  
LaPorchia Davis

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.

### Objectives of the Department of Human Sciences Degree Programs

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.
- 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 the 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 3239 GERIATRIC NUTRITION (2)**

### **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.

### **HUSCA 4315 INCOME TAX PLANNING FOR FAMILIES (3)**

### **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 are 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 identified as required for successful performance in the work setting. The internship opportunity will enhance students' personal and professional growth by providing paraprofessional work experience related to the student's 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				
<b>FRESHMAN YEAR</b>							
Orientation/	Human	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
			<hr/>				<hr/>
			15				14
<b>SOPHOMORE YEAR</b>							
Text /App/Sel /Design	HUSC	1308	or	Family Development	HUSC	2300	3
Principle of Apparel	HUSC	2330	3	Intro to Social Science	SOCI	1320	3
College Algebra	MATH	1330	3	American Government	PSCI	2310	3
General Psychology	PSYC	2300	3	Music History Appreciation	MUSI	2330	OR
Introduction to	ENGL	2300	3	Oral Communication	MCOM	2390	3
Adolescent & Adult	HUSC	2340	3	Humanities	HUMN	2301	3
Development			3				
Art Appreciation/History	ART	2340					
			<hr/>				<hr/>
			18				15
<b>JUNIOR YEAR</b>							
Surv/Except/Child	SPED	2200	2	Social/Behavior Sci. Elec.	GRON/ORSWORK		3
Family Dynamics	HUSC	3300	3	Fundamentals/Fam/Fin/Plan	HUSC	3366	3
Nutr.thr theLife Cycle	HUSC	3326	3	Creat/Act/Child	HUSC	3330	3
Elective			6	Infant /Toddler Practicum	HUSC	3364	3
				Parenting Education	HUSC	3341	3
			<hr/>				<hr/>
			14				15
<b>SENIOR YEAR</b>							
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
			<hr/>				<hr/>
			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		
<b>FRESHMAN YEAR</b>					
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	MATH 1330	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
<b>SOPHOMORE YEAR</b>					
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
<b>JUNIOR YEAR</b>					
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
<b>SENIOR YEAR</b>					
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		
<b>FRESHMAN YEAR</b>					
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
<b>SOPHOMORE YEAR</b>					
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
<b>JUNIOR YEAR</b>					
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
<b>SENIOR YEAR</b>					
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)**

<b>FALL SEMESTER</b>			<b>SPRING SEMESTER</b>		
<b>FRESHMAN YEAR</b>					
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		
			<hr/>		<hr/>
			17		14
<b>SOPHOMORE YEAR</b>					
College Algebra	MATH	1330	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		
			<hr/>		<hr/>
			17		16
<b>JUNIOR YEAR</b>					
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		
			<hr/>		<hr/>
			15		12
<b>SENIOR YEAR</b>					
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		
			<hr/>		<hr/>
			15		14

**Total Credits: 120 semester hours**

# SCHOOL *of* 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.
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.
5. To allow for individual creativity and development through the examination of special problems and participation in research.

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, mathematics, nursing and physics.

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:

1. To provide general education courses to all students of the university.
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.
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 Communication; Music, and Social and Behavioral Sciences.

The School of Arts and Sciences offers majors in art, criminal justice, English, theatre, gerontology, history, journalism,

music, political science, social science, sociology and social work. It offers both the Bachelor of Arts and the Bachelor of Science degrees. Students may elect the secondary teaching certificate options in. 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. It has an M.S. degree in addiction Studies. Also available is technology (IT).

## **LIBERAL AND FINE ARTS UNITS**

### **Department of Art**

**Danny Campbell, Interim  
Chairman**

#### **Associate Professor**

Paul Hooven

#### **Assistant Professors**

Husny Dahlan

Danny Campbell

The Department of Art 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 or professional school and to meet the market needs in commercial or fine arts. The

curriculum leading to teaching certification is designed for those students who wish to pursue a career in teaching in the elementary and secondary schools.

### **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.

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.

### 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.)

### 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
Methods in Children's Art 2360	3
Printmaking 3301	3
Photography I 3302	3
Desktop Publishing 3309	3
Sculpture 3313	3
Art Methods/Secondary Schools 3314	3
Painting & Composition 3320	3
Crafts 3342	3
Art History- Renaissance to Modern 3349	3
Art History – Contemporary Art 3360	3
<b>*Courses must be taken in sequence (as listed in catalog)</b>	

### 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
<b>9 Hours of upper level studio courses selected from courses below</b>	
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
<b>12 Hours of Art History selected from courses below</b>	
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 Greek Archaic through the 20<sup>th</sup> 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 significances 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 3302 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 3310 GRAPHIC DESIGN (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 3314 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 artist of northern Europe. Prerequisites: ART 2340 and 3350.

**ART 3360 ART HISTORY  
CONTEMPORARY (3)**

A study of important period, styles and artists from the 18<sup>th</sup> 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 4307 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****SPRING SEMESTER****FRESHMAN YEAR**

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	1200	2
Personal and & Soc. Dev.	BAS	1210	2	Oral Communication	MCOM	2390	3
				Career/Life Planning	BAS	1120	1
			<b>15</b>				<b>16</b>

**SOPHOMORE YEAR**

Intro to Literature	ENGL	2300	3	General Psychology	PSYC	2300	3
Survey/Exceptional Children	SPED	2200	2	U.S. History	HIST	2318	3
Desktop Publishing	ART	3309	3	Education/Cultural Diversity	EDUC	3235	2
3- D Design	ART	2310	3	Sculpture I	ART	3313	3
Methods in Children's Art	ART	2306	3	Humanities Elective	HUMN	2301	3
College Algebra	MATH	1330	3	Physical Ed. Elective	HLPE		1
			<b>17</b>				<b>15</b>

**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 Methods/Sec 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
			<b>15</b>				<b>15</b>

**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				
			<b>15</b>				<b>12</b>

**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	MATH	1330	3	Art History & App.	ART	2340	3
Freehand Drawing	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	HUMN		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 Gov	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

#### Associate Professors

Emmanuel Egar

#### 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**  
 Interim Director

**Alexis Victorian**  
 Academic Lab Assistant

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. We also serve 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.

**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 College.

**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)**

<b>FALL SEMESTER</b>			<b>SPRING SEMESTER</b>		
<b>FRESHMAN YEAR</b>					
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Biological Science	BIOL	1450	4	Introduction to Literature	ENGL 2300 3
Personal/Social Development	BAS	1210	2	Physical Science	CHEM 1411 4
Quantitative Literacy	MATH	1330+	3	Social Science Elective	3
Health Elective	HLPE		3	Career & Life Planning	BAS 1120 1
				Physical Education	HLPE 11__ 1
			<b>15</b>		<b>15</b>
<b>SOPHOMORE YEAR</b>					
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
			<b>15</b>		<b>15</b>
<b>JUNIOR YEAR</b>					
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
			<b>15</b>		<b>15</b>
<b>SENIOR YEAR</b>					
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
			<b>15</b>		<b>15</b>

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE  
ENGLISH EDUCATION  
(Teaching)**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Introduction to Literature	ENGL	2300	3
Personal/Social Development	BAS	1210	2	Physical Science	CHEM	1411	4
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
			<b>18</b>				<b>15</b>
<b>SOPHOMORE YEAR</b>							
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	1200	2	Instructional Media /Technology	EDUC	2309	3
			<b>14</b>				<b>15</b>
<b>JUNIOR YEAR</b>							
Survey Exceptional Child	SPED	2200	2	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				
			<b>17</b>				<b>14</b>
<b>SENIOR YEAR</b>							
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				
			<b>15</b>				<b>12</b>

## 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 College 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 3331 CHURCH ADMINISTRATION (3)**

Acquaints students with standard church policies; a study of the various aspects involved in the administration of a local church, church auxiliaries and finances, and the effect of church policies on the role of the church in the community.

### **HUMN 4331 CHRISTIAN ETHICS (3)**

Presents the presuppositions, principles, purposes, and implications of Christian ethics in modern civilization. Conducted as a seminar on contemporary social problems such as juvenile delinquency and drug abuse.

### **HUMN 4341 CHRISTIAN DOCTRINE (3)**

Presents several doctrines of Christianity in their particular significance and in their relations to one another. Special attention is given to what the Bible says about the doctrines of God, salvation, sin, revelation, the deity of Christ, the Holy Spirit, creation, man and the judgment.



## Theatre and Mass Communications

### Donna Barnes

Interim Coordinator

### Professor

Laurence B. Alexander

### Associate Professor

Cheryl Collins

### Instructors

Eva Belle

Angela Newkirk

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 (in cooperation with the Co-op Education Internship Program). 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)**

development and impact on society.

**MCOM 2300 HISTORY OF  
AMERICAN JOURNALISM (3)**

History of American journalism from its origin to the present.

**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 2323 COMPUTER  
EDITING (3)**

A computer editing course designed for students who aspire employment in the multimedia market.

**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 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 3310 NEWS EDITING (3)**

A course that focuses on the theory of copy reading and writing headlines.

**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 3311 NEWS REPORTING  
I (3)**

Analyzes writing techniques and surveys the various media fields. Students will learn diverse writing and reading styles.

**MCOM 2326 MASS MEDIA IN  
MODERN SOCIETY (3)**

A survey of the various fields of mass communication with emphasis on their structure, function, responsibilities,

**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 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 4316 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 & 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**

**THEATRE MANAGEMENT OPTION**

(Non-Teaching)

<b>FALL SEMESTER</b>			<b>SPRING SEMESTER</b>		
<b>FRESHMAN YEAR</b>					
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Biological Science	BIOL 1450	4	Physical Science or		
Personal & Social Development	BAS 1210	2	Intro to Astronomy	CHEM	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>15</u>
<b>SOPHOMORE YEAR</b>					
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>
<b>JUNIOR YEAR</b>					
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>
<b>SENIOR YEAR</b>					
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	3
		<u>16</u>			<u>15</u>

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE  
BROADCAST JOURNALISM OPTION  
(Non-Teaching)**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Social Science Electives			6
Personal & Social Development	BAS	1210	2	Physical Science			4
Quantitative Literacy	MATH	1330+	3	Career & Life Planning	BAS	1120	1
Personal Health & Safety or Nutrition and Wellness				Physical Education	HLPE	11__	1
			<u>3</u>				
			<b>15</b>				<b>15</b>
<b>SOPHOMORE YEAR</b>							
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>				<b>18</b>
<b>JUNIOR YEAR</b>							
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>				<b>12</b>
<b>SENIOR YEAR</b>							
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>				<b>12</b>

**CURRICULUM FOR THE BACHELOR OF ARTS DEGREE  
PRINT JOURNALISM OPTION  
(Non-Teaching)**

<b>FALL SEMESTER</b>	<b>FRESHMAN YEAR</b>				<b>SPRING SEMESTER</b>
English Composition I	ENGL	1311	3	English Composition II	ENGL 1321 3
Biological Science	BIOL	1450	4	Physical Science or	
Personal & Social Development	BAS	1210	2	Intro to Chemistry	4
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>15</u>		<u>15</u>
	<b>SOPHOMORE YEAR</b>				
Intro. to Lit. or World	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>
	<b>JUNIOR YEAR</b>				
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>
	<b>SENIOR YEAR</b>				
Voice and Movement	THTR	2340	3	Internship in Mass Communications	MCOM 4313 3
Mass Communication & Senior Seminar	MCOM	4321	3	College Grammar	ENGL 3301 3
Media & Advertising	MCOM	4390	3	Web Design	ART 4324 3
Investigative Reporting	MCOM	3352	3	Media Law & Ethics	MCOM 4315 3
			3		
			<u>15</u>		<u>12</u>

## Department of Music

### Michael J. Bates Interim Chair

#### Professor

Michael J. Bates

#### Professor Emeritus

Josephine C. Bell

#### Associate Professor

Richard H. Bailey, Jr.  
Milton Jackson

#### Assistant Professors

John R. Graham  
Sharon Young

#### Instructor

Darryl K. Evans  
Harold Fooster  
Melissa Davis

#### Staff

Sheila Early  
Gerome Hudson  
James Mincy  
Jerri Taylor

#### Mission Statement

As a land grant institution, the University of Arkansas at Pine Bluff has a historical and evolving mission to provide educational opportunities and training for a culturally diverse student population. The Music Department, whose mission is in

alignment with the University's, is dedicated to: offering experiences and curricula that lead to professional licensure in music education, preparing students for graduate and professional studies in music, 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 lifelong 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, creating a culture of excellence that stimulates intellectual discourse via seminars, symposiums, and professional development. In general, the department seeks to create a greater appreciation of music's power to inform, enrich, and inspire.

**Goals and Objectives:**

<b>Goal 1</b>	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.
	Objective 1.4 Introducing students to computer assisted software available for music instruction.
<b>Goal 2</b>	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.
	Objective 2.3 Offering workshops, clinics, and seminars led by industry professional that address current technological changes.
<b>Goal 3</b>	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.
	Objective 3.3 Preparing students to be computer literate.
<b>Goal 4</b>	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.
	Objective 4.3 Providing workshops, tutorials, and seminars in various technologies.
<b>Goal 5</b>	Create an environment that fosters a culture of excellence among a heterogeneous clientele by:
	Objective 5.1 Encouraging and support professional development of faculty.
	Objective 5.2 Encouraging and support professional development of students.
	Objective 5.3 Establishing standards for excellence through assessment and to use results to improve instruction.
<b>Goal 6</b>	Objective 6.1 Providing courses in appreciation of vernacular and cultivated music from around the world.
	Objective 6.2 Offering workshops, master classes, lectures, concerts, and recitals to the public.
	Objective 6.3 Providing access to library holdings.
	Objective 6.4 Making our faculty, ensembles, and facilities available as a resource for the community.

**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 absolutely necessary for music students to audition and declare a major applied area of study at the time they enter the program.

### **Theory Placement Examination**

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.

### **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 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 special problems.

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 they are enrolled as music major. 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 To prepare students to be advocates for music education.
	Objective 1.2 To prepare students to teach a broad range of instruments and music courses.
	Objective 1.3 To develop competency in keyboard skills, score reading, and conducting.
	Objective 1.4 To develop an understanding of child development in the structuring of curriculum.
	Objective 1.5 To 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 To 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 To 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 To become familiar with technological resources for music education.

	Objective 3.2 To understand that technology's role is only a means to achieving artistic and intellectual goals and not mastery for its own sake.
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## Music Plan I –Teaching

### Vocal/Piano/Instrumental 7-12

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	30 hrs.
Foundation/Dev. American Ed.	2
Survey of Exceptional Children	2
Education Culture Diversity	2
Adolescent 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 (upon entering)	Sophomore Barrier (end of sophomore year)
Audition Placement on Applied Instrument or Voice	Piano Proficiency Exam (end of sophomore year)
	AAGE/CAAP Rising Junior (upon attaining 45 hrs. of study)

Students must pass all sections of Praxis I 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)**

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, Business, Mass Communications.

Goal 1	Prepare students for graduate studies in music.
	Objective 1.1 To provide a liberal arts education built upon a strong music foundation.
	Objective 1.2 To provide students with computer assisted experiences related to word processing, orchestration, and aural skills.
	Objective 1.3 Develop effective writing and oral communications skills.
Goal 2	To 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.
	Objective 2.5 Prepare students for careers in music therapy.

**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 (upon entering)	Sophomore Barrier (end of sophomore year)
AAGE/CAPP Rising Junior (upon attaining 45 hrs.)	Music Comprehensive Exam (end of senior year)
Audition Placement on Applied Instrument or Voice	

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 4610 Special Problems. The special project for MUSI 4610, 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 area no later than the second week of the semester in which the student has enrolled in MUSI 4610.

### Music Plan II - Non-Teaching Vocal/Piano/Instrumental

<b>General Ed. Requirements</b>	<b>45 hrs</b>
<b>Area of Specialization Requirements</b>	<b>54 hrs</b>
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
Special Problems	6
<b>Applied Music</b>	<b>7</b>
<b>Music Ensemble</b>	<b>7</b>
Music Electives**	4
Music Electives***	7
Recital Attendance (six required)	0
Special Problems	6

<b>Area of Specialization – Business Emphasis</b>	<b>15 hrs</b>
Management Information System	3
Consumer Analysis & Behavior	3
Principles of Marketing	3
Business Law	3
Principles of Management	3
<b>Area of Specialization – Theater/Comm. Emphasis</b>	<b>15 hrs</b>
Oral Interpretation	3
Voice and Diction	3
Fundamentals of Acting	3
Play Production Laboratory	3
Make-up for Stage and TV	3
<b>Additional Requirements</b>	
<b>Foreign Language</b>	<b>6</b>

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 4610 Special Problems. The special project for MUSI 4610, 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 area no later than the second week of the semester in which the student has enrolled in MUSI 4610.

Student must intend to major in music and have auditioned for the music faculty and obtained permission to take course.

**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, 1005, 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 BRASSWIND 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 woodwind 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 4610 SPECIAL PROBLEMS (6)**

For students capable of developing a problem independently through conferences and activities directed by the instructor. Allows in-depth experimentation and research in music and an outside field. Project must be chosen by the student with approval from the instructor and the department chair. Prerequisites: MUSI 4020 and permission of music faculty.

## **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 SURVEY OF 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,  
3123, 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	To train and educate students for job opportunities in such areas as recording, audio, forensics and computer-based music
	1.1 To provide courses that prepare the student to use existing and emerging technologies in sound recording and computer-based music
	1.2 To provide laboratory experiences that will prepare students to utilize technology currently in use in the industry
	1.3 To provide courses in Sound Recording Technology sufficient to develop professional competency
Goal 2	To provide for our students appropriate pre-professional experiences in sound recording and related careers
	2.1 To provide internships with area professionals
	2.2 To provide opportunities for students to attend seminars, workshops and industry-sponsored conventions
	2.3 To sponsor seminars, workshops and lectures on campus conducted by industry professionals and educators on reproduction and recording
Goal 3	To provide a core liberal arts education
	3.1 To provide a sequential block of courses and experiences in the liberal and fine arts for students
	3.2 To provide university and state core curriculum classes in various fields of study

Goal 4	To provide courses and experiences for the university community to gain experience with music related computer equipment, programs and processes
	4.1 To provide software and instruction in the use of software to enhance knowledge in music theory, history, music education and performance
	4.2 To 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)

<b>General Ed. Requirements</b>	<b>45 hrs</b>
<b>Area of Specialization Requirements</b>	<b>30</b>
Theory I-IV	8
Sight Singing I-IV	4
Music History	6
Piano Class	4
Applied Music	5
Orchestration & Arranging	3
<b>Music Technology Requirements</b>	<b>30 hrs</b>
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
<b>Additional Requirements</b>	<b>6 hrs</b>
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 (upon entering)	Sophomore Barrier (end of sophomore year)
Piano Proficiency (end of sophomore year)	AAGE/CAAP Rising Junior (upon attaining 45 hrs)
Music Comprehensive Exam (end of senior year)	Audition on Applied Instrument /Voice

The graduating 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. Course 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, copywriting, 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.

### **MUSIC 4302 SEMINAR IN ADVANCED STUDIO TOPICS (3)**

The concurrent integrative seminar, MUSI 4302 Seminar in Advanced Studio Topics, 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 Bachelor of Science Degree in Music—Piano/Vocal or Instrumental Emphasis (Teaching)

FALL SEMESTER				SPRING SEMESTER			
<b>Freshman Year</b>							
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
*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	1200	2
Personal Health & Safety	HLPE	1310	3	Physical Science	CHEM	1411	4
Career Life Planning	BAS	1120	1	Voice Class**	MUSI	1231	2
			<u>15</u>				<u>17</u>
<b>Sophomore Year</b>							
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
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	Ed. Cultural Diversity	EDUC	3235	2
General Psychology	PSYC	2300	3	Diction**	MUSI	2315	3
Intro. to Literature	ENGL	2300	3	US History	HIST	2318	3
				Conducting I	MUSI	2222	2
			<u>17</u>				<u>15-18</u>
<b>Junior Year</b>							
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 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	Intro. to Social Science	SOCI	1320	1
College Algebra	MATHI	1330	3	Survey of Exceptional Child.	SPEC	2300	3
Jr./Sr. Seminar	MUSI	2222	2	Choral Lit. & Conducting**	MUSI	3211	2
Adolescent Development	MLED	3301	3	Percussion Methods	MUSI	2125	1
			<u>17</u>				<u>16-18</u>
<b>Senior Year</b>							
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 their			
Assessing Middle School Learners	EDUC	3366	1	Freshman year.			
Orchestration and Arranging	MUSI	4310	3				
Band Technique****	MUSI	4222	2				
Ensemble	MUSI		1				
Instrumental Lit. & Conducting***	MUSI	4207	2				
			<u>16-18</u>				<u>12</u>

\*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  
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 – (NC))	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 Pscv.	PSYC	2300	3	
PE Activity	HLPE		1					
Personal Social Development	BAS	1210	2					
			16				16	
<b>SOPHOMORE YEAR</b>								
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	
Voice Class***	MUSI	1231	2	American Gov't	HIST	2312	3	
Art Appreciation	ART	2340	3	Foreign Language	MDFL	2311	3	
			15-18				18	
<b>JUNIOR YEAR</b>								
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					
			16-18				14-17	
<b>SENIOR YEAR</b>								
Senior Recital	MUSI	4020	0	Special Problems	MUSI	4610	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)				
			14				12	

\*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 hour of Music electives.

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE IN MUSIC  
SOUND RECORDING TECHNOLOGY EMPHASIS**

FALL SEMESTER			SPRING SEMESTER		
<b>FRESHMAN YEAR</b>					
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	MUSI	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
College Algebra	MATH	1330	3	English Comp II	ENGL 1321 3
Personal & Social Dev	BAS	1210	2	Biological Science	BOIL 1450 4
Oral Communication	MCOM	2390	3	Career & Life Planning	BAS 1120 1
PE Activity	HLPE		1	US History	HIST 2318 3
			15		17
<b>SOPHOMORE YEAR</b>					
Recital Attendance	MUSI	2004	0	Recital Attendance	MUSI 2005 0
Applied Major	MUSI	2102	1	Applied Major	MUSI 2103 1
Ensemble	MUSI	2114	1	Ensemble	MUSI 2105 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	Personal Health & Safety	HLPE 1310 3
Intro to Studio Rec Tech	MUSI	2301	3	Intro to Computer Music	MUSI 2307 3
Physical Science	CHEM	1411	4	General Psych.	PSYC 2300 3
			16		15
<b>JUNIOR YEAR</b>					
Recital Attendance	MUSI	3004	0	Recital Attendance	MUSI 3005 0
Applied Major	MUSI	3109	1	Audi for Video	MUSI 3300 3
Theory IV	MUSI	3224	2	Music History II	MUSI 3322 3
Sight-Singing IV	MUSI	3124	1	Foreign Language	MDFL 2311 3
Music History I	MUSI	3321	3	Music Elective	MUSI 2
SRT Recital	MUSI	3010	0	Music Business	MUSI 3302 3
Art Appreciation	ART	2340	3	Humanities	HUMN 2301 3
Intermediate Rec Tech	MUSI	3301	3		
Intro. to Social Science	SOCI	1320	3		
			16		17
<b>SENIOR YEAR</b>					
Intro. to Bus. Programming	CPSC	2363	3	Seminar in Adv Studio Topics	MUSI 4302 3
Digital Audio Rec'd Tech.	MUSI	4301	3	Senior Recording Project	MUSI 4303 3
Music Electives	MUSI		3	Studio Internship	MUSI 4600 6
Orchestration and Arranging	MUSI	4310	3		
			12		12

\*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.

## Department of Social and Behavioral Sciences

### Ebo Tei, Chairperson

#### Professors

Gloria Davis  
Gurdeep Khullar  
Albert Toh

#### Associate Professor

John Foster  
Jerry Ingram  
Michael Lynch

#### Assistant Professors

Angela Andrade  
Anthony Austin  
Kevin Butler  
Gloria Davis  
John Foster  
John House  
Therthenia Lewis  
Nathaniel Newman  
Howard Smith  
Bernita Patterson

#### Instructors

Felicia Cooper  
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 specialization: law enforcement or corrections.
6. To prepare students for graduate study in criminal justice, gerontology, history, political science, psychology, social work and sociology

### **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

## **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

### **Requirements**

The Criminal Justice Program requires a minimum of 120 semester hours for a Bachelor of Arts degree. These include general education and institutional requirements, criminal justice required courses and criminal justice electives. A major in criminal justice requires 42 semester hours of core course work:

**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).
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.

### Requirements

The Bachelor of Arts Degree in Gerontology requires a minimum of 120 hours.

### 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

### 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. 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 3370 Comparative American Constitutional History I  
 HIST 3375 Comparative American Constitutional History II  
 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 3325 AFRICAN AMERICANS IN AMERICAN HISTORY (3)**

A general survey of black life and history; emphasizes the various contributions of African Americans to American civilization.

**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 3347 ENGLISH HISTORY FROM 1879-1920 (3)**

Traces the history of England from the ascendancy of Gladstone and Disraeli to the treaties ending World War I.

**HIST 3348 ENGLISH HISTORY SINCE 1920 (3)**

Treats the political, social and economic history of England since 1920.

**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 3352 ENGLISH HISTORY  
1603-1800 (3)**

HIST 3352 examines the cultural, economic and political development of England from approximately 1603 to 1800.

**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 3370: COMPARATIVE  
AMERICAN CONSTITUTIONAL  
HISTORY I (3)**

Comparative history of English and American constitutionalism from their origins to the American Civil War era, with emphasis on American constitutional history, and including the interaction of historical events, particular people, and the ideas that shaped and differentiated American and English Constitutionalism. Comparisons of American and English constitutional history with other former British colonies and with various countries not in the English speaking group will also be included. Especially recommended for Pre-Law students. Prerequisite: HIST 2315: U.S. History to 1877 or consent of instructor.

**HIST 3371 AMERICAN  
MILITARY HISTORY (3)**

This is an American Military History course which focuses upon the United States Army. This course concentrates upon the U.S. Army's role in the defense of the United States in peace, conflicts, and war. Information concerning the other U.S. Military and Naval forces may be incorporated into the course as appropriate. Topics will include, but not limited to, the history of the U.S. Army, the initial development of the Army, the development of the Army as a professional force, the unique sub-culture of the military, and the relationship of the Armed Forces with the civilian government of the United States.

**HIST 3375: COMPARATIVE  
AMERICAN CONSTITUTIONAL  
HISTORY II (3)**

Comparative history of English and American constitutionalism from the mid-19th Century to the present, with emphasis on American constitutional history, and including the interaction of historical events, particular people, and the ideas that shaped and differentiated American and English Constitutionalism. Comparisons of American and English constitutional history with other former British colonies and with various countries not in the English speaking group will also be included. Especially recommended for Pre-Law students. Prerequisite: HIST

2318: U.S. History since 1877 or consent of instructor.

**HIST 4310 RECENT UNITED STATES HISTORY (3)**

Emphasizes the significant domestic and foreign facets of twentieth century America.

**HIST 4320 THE DIPLOMATIC HISTORY OF EUROPE, 1870 TO THE PRESENT (3)**

Surveys the diplomatic background of relations between the great powers. Prerequisite: HIST 1340.

**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 4350 THE REFORMATION (3)**

The religious, economic and political background of the Protestant Revolt.

**HIST 4360 MODERN RUSSIA (3)**

The political, social, economic, cultural and religious development of Russia from the time of Peter the Great.

**HIST 4365: MIDDLE EAST FROM 600 AD, PART I (3)**

A history of the Middle East from 600 AD (the birth of Muhammad) to the 19th Century, beginning with a brief review of the Pre-Islamic era, and including Middle East religious, social, economic, political, and cultural history; and exploring the interaction of Middle Eastern peoples and governments with the rest of the world, especially as concerns colonialism, nationalism, expansion and the spread of Islam.

**HIST 4366: MIDDLE EAST FROM 600 AD, PART II (3)**

A history of the Middle East from the 19th century to the present, including Middle East religious, social, economic, political, and cultural history; and exploring the interaction of Middle Eastern peoples and governments with the rest of the world, especially as concerns colonialism, nationalism, expansion, major oil source for the world, and the issues involved in the establishment of Israel and the demands for a Palestinian homeland.

**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 afforded opportunities to examine current readings and issues from an international perspective. Open only to seniors.

**HIST 4396 SEMINAR IN THIRD  
WORLD STUDIES (3)**

Acquaints students with the nature and historical development of that part of the world out-side Western Europe, the United States, and the former Soviet-bloc.

**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

## Requirements

The Bachelor of Arts in Political Science requires a minimum of 124 hours, including the following 36 hours of core courses:

## Political Science Courses (PSCI)

### Political Science

### B.A. in 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 or national governments
5. To provide prerequisites for students interested in advanced degrees in political science, law or public administration

## Required Courses (33 hrs)

PSCI 2300 Introduction to Political Science  
 PSCI 2312 American National Government  
 PSCI 2313 State and Local Government  
 PSCI 3341 Constitutional Law I  
 PSCI 3350 Seminar in Political Theory  
 PSCI 3390 Public Administration  
 PSCI 4315 International Relations  
 PSCI 4316 Global Issues  
 PSCI 4351 Empirical Political Theory  
 SOCI 3312 Statistical Techniques in Social Science

## Select one of the following:

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

**Political Science Electives (6 hrs) (Select any two from the following):**

PSCI 2111 Law as a Career  
 PSCI 2309 Arkansas Government  
 PSCI 3324 Law School Experience  
 PSCI 3343 Constitutional Law II  
 PSCI 4331 The Presidency  
 PSCI 4340 American Foreign Policy  
 PSCI 4390 Internship in Political Science  
 PSCI 4391 Independent Study  
 SOCI 2330: Introduction to Anthropology

**General Electives (9 hrs)**

A minor is not required but these hours have to be completed in order to graduate with 124 hours. (Select from ROTC, journalism, English, psychology, foreign language, the sciences, business, computer science, history, etc.)

**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 kingdom's 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 4390 INTERNSHIP IN  
POLITICAL SCIENCE (3)**

A part-time supervised internship program for juniors or seniors to gain practical work experience in administrative, legislative, or judicial areas with local, state, or national governmental agencies.

**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 4310/4311 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 4305 Human Performance and Information Processing  
 PSYC 4307 Human Factors  
 PSYC 4309 Health Psychology  
 PSYC 4312/4600 Independent Studies  
 PSYC 4610 Internship in Psychology  
 SBSC 4300 Using SPSS for Windows

#### **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 3302 Personality  
 PSYC 4302 Physiological Psychology  
 PSYC Directed Elective  
 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, 3300, 3301, & 3306.

**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 biobehavioral, 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 SEMINAR IN PSYCHOLOGY (3)**  
A continuation of PSYC 4310.

### **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 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

### Requirements

The program requires a minimum of 124 semester hours for a Bachelor of Arts Degree in Sociology. This includes the general education and institutional requirements, sociology required courses and sociology electives.

### Required Courses (27 hrs)

Introduction to Sociology 2310  
 Social Problems 2320  
 Urban Community 3305  
 The Family 3311  
 Statistical Tech. In Soc. Sci. 3312  
 Race and Ethnic Relations 3320  
 Intro to Social Research 4310  
 Seminar in Sociology 4313  
 History of Social Thought 4330

### Sociology Electives (9 Hrs) (To be selected from the following):

Inequality in America 3315  
 Sociology of Sex Roles 3325  
 Rural Sociology 3331  
 Juvenile Delinquency 3343  
 Peoples & Cultures of Africa South of the Sahara 3360  
 Peoples & Cultures of Latin America 3370  
 Indians of North America 3380

### Readings in Sociology 4351 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 (21)

For students who desire to have a minor in sociology, at least twenty-one (21) hours are 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 Directed Electives: Select (3)  
 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 3325 Sociology of Sex Roles  
 SOCI/CRJU3343: Juvenile Delinquency  
 SOCI 4313 Seminar in Sociology  
 SOCI 4330 History of Social Thought  
 SOCI 4340 Population Problems  
 SOCI 4351 Readings in Sociology  
 GRON 3327 Social Policy



GRON 3345 Death & Dying  
 GRON 3347 Work Leisure and Retirement  
 GRON 3393 Aging & Rural Life

### **Sociology Courses (SOC)**

#### **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 3325 SOCIOLOGY OF SEX ROLES (3)**

A sociological examination of the structure and consequence of sex roles in contemporary society. Topics include sex role socialization, sex roles and education, family roles and sex role liberation. Prerequisite: SOCI 2310.

**SOCI 3330 PHYSICAL ANTHROPOLOGY (3)**

An introduction to physical anthropology: development of life forms through geological time, the genetic mechanism, primatology, fossil man and Old World cultures, adaptive and racial differentiation in human populations. Required for anthropology concentration. Prerequisites: SOCI 1320, 2310, 2330, junior or senior standing.

**SOCI 3331 RURAL SOCIOLOGY (3)**

A study of the importance of rural life, its social problems and means of seeking solutions. Discusses the scientific methods of rural research and the influence of the physical environment upon rural, social institutions. Prerequisites: SOCI 1320, 2310.

**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 3370 PEOPLES & CULTURES OF LATIN AMERICA (3)**

An introduction to the cultural background, social organization, racial composition, economic and political status of the peoples of Latin America and their problems. Prerequisite: junior or senior standing.

**SOCI 3380 INDIANS OF NORTH AMERICA (3)**

New World populations, prehistoric culture, history and ecological adaptation of New World Aborigines; ethnographic survey of North American culture areas including Meso-American civilization. Prerequisites: SOCI 3330; junior or senior standing.

**SOCI 4300 ANTHROPOLOGY:  
HISTORY, THEORY & METHODS (3)**

Lectures and seminars on the development of anthropology as a discipline, comprehending persons, concepts, problems and theories in archaeology, physical and biological anthropology and cultural anthropology.

**SOCI 4301 HISTORY AND  
PRINCIPLES OF SOCIOLOGY (3)**

Presents a comprehensive overview of sociology as a field of study. Examines the history of the development of sociology as a discipline and as a profession. Prerequisite: SOCI 2310.

**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 4325 SOCIAL CONTROL (3)**

Analysis of the meaning of social control and its role in the building of human nature as well as in the operation of society. Prerequisites: Introduction to Social Science 1320, Introduction to Sociology 2310, Social Psychology 3310, senior standing.

**SOCI 4330 HISTORY OF SOCIAL  
THOUGHT (3)**

A survey of man's thoughts about himself and his world from Hammurabi to Comte, with special emphasis on the methods of analysis employed in different civilizations. Required of sociology majors. Prerequisites: 18 hours of social science including history, junior or senior standing.

**SOCI 4335 CONTEMPORARY  
SOCIOLOGICAL THEORY (3)**

An analysis of the meaning and purpose of sociological theory and its relation to empirical research. Examines the theoretical contributions of modern sociology from the latter part of the nineteenth century to the present. Prerequisites: SOCI 2310.

**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 4350 BLACKS IN THE NEW  
WORLD (3)**

An analytical study of black migration into the several countries of the New World, their varying fortunes in different countries and their present status in the U. S. A. and elsewhere.

**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.
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 context 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

### **Program Competencies**

1. Identify as a professional social worker and conduct oneself accordingly.

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 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, MDL 2311, MATH 1330, ENGL 1311, ENGL1321, and SPCH 2390.
4. Provide transcripts from all colleges and universities attended.
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 generalist 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 address 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 engage 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)**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
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
<b>SOPHOMORE YEAR</b>							
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
<b>JUNIOR YEAR</b>							
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
<b>SENIOR YEAR</b>							
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 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 1200 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		
<b>FRESHMAN YEAR</b>					
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
<b>SOPHOMORE YEAR</b>					
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
<b>JUNIOR YEAR</b>					
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
<b>SENIOR YEAR</b>					
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)**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
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 ~~~~			3	Elementary Spanish I	MDFL	2311	3
			<u>16</u>				<u>16</u>
<b>SOPHOMORE YEAR</b>							
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
			<u>15</u>				<u>16</u>
<b>JUNIOR YEAR</b>							
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
			<u>15</u>				<u>15</u>
<b>SENIOR YEAR</b>							
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				
			<u>15</u>				<u>12</u>

**CURRICULUM FOR BA SOCIAL SCIENCES: SOCIOLOGY TRACK  
(Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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>
<b>SOPHOMORE YEAR</b>							
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>
<b>JUNIOR YEAR</b>							
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>
<b>SENIOR YEAR</b>							
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: HISTORY TRACK**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
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>
<b>SOPHOMORE YEAR</b>							
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>
<b>JUNIOR YEAR</b>							
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>
<b>SENIOR YEAR</b>							
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>12</u>
			<u>15</u>				<u>15</u>

**CURRICULUM FOR BA SOCIAL SCIENCES: POLITICAL SCIENCE TRACK**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
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
<b>SOPHOMORE YEAR</b>							
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
<b>JUNIOR YEAR</b>							
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
<b>SENIOR YEAR</b>							
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 BSCIENCE DEGREE IN PSYCHOLOGY  
(Non-Teaching)**

<b>FALL SEMESTER</b>			<b>SPRING SEMESTER</b>		
<b>FRESHMAN YEAR</b>					
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
<b>SOPHOMORE YEAR</b>					
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
<b>JUNIOR YEAR</b>					
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
<b>SENIOR YEAR</b>					
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		
			15		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.
  6. Provide knowledge and experiences in the biological sciences as a foundation for students who are pursuing other science majors.
- 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.
- Majors must take Principles of Biology 1455 and Principles of Biology 1456 II before attempting to take any higher numbered courses in biology.
  - 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.
  - Students should normally take required courses in sequence as indicated in the curricula outlines.
  - Majors must take a comprehensive examination in biology during the last semester of their senior year.

### 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'

- Majors in biology are encouraged to acquaint themselves with institutional requirements. Requirements listed in this section supplement, but do not supplant, institutional requirements

## 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:

1. Work as professional biologists in a variety of sub-disciplines of biology.
2. Pursue graduate studies in anticipation of research careers.
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 three (43) 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 (6-8 hours)	
<b>**Starting with Fall 2011 class</b>	

### 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
<b>**Starting with Fall 2011 class</b>	

### 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.
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:

<b>Principles of Biology</b>	1455
<b>Principles of Biology II</b>	1456
<b>General Zoology</b>	1460
<b>General Botany</b>	1470
<b>Ecology</b>	2360
<b>Genetics</b>	3440
<b>Cell Biology</b>	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. 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: Spring semester.

**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 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 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: Spring semester.

#### **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 semester.

#### **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: Spring semester.

#### **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: On demand.

#### **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: On demand.

#### **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 semester.

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.

**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 on demand.

**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

**BACHELOR OF SCIENCE DEGREE IN SCIENCE EDUCATION-BIOLOGY  
(TEACHING)**

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
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
Intro to Education	EDUC 1110	1	Career & Life Planning	BAS 1120	1
Found & Dev. of Am. Ed.	EDUC 1200	2	Physical Education	HLPE 1110-1125	1
		17			15
	<b>SOPHOMORE YEAR</b>				
General Botany	BIOL 1470	4	General Zoology	BIOL 1460	4
Earth Science I	CHEM 2300	3	Earth Science II	CHEM 2310	3
Cell Biology	BIOL 3480				
Geography North America <b>OR</b>	GEOG 2310	4	Instruc. Media/Tech	EDUC 2309	3
World Geography	GEOG 2360	3	Per. Health & Safety	HLPE 1310	3
<i>Testing Seminar</i>					
<b>*Only if Praxis I not passed</b>	EDUC 2210*	2	Oral Communication	MCOM 2390	3
		16-18			16
	<b>JUNIOR YEAR</b>				
Ecology	BIOL 2360	3	Genetics	BIOL 3440	4
American Government <b>OR</b>	PSCI 2301	3	Psych. of Learn/Tech	EDUC 3302	3
U.S. History <b>OR</b>	HIST 2315		Assess. Mid/Sec Learn		3
U.S. History	HIST 2318		Intro to Literature <b>OR</b>	EDUC ENGL 3306 2300	3
Survey of Exceptional Child	SPEL 2200	2	World Lit I OR	ENGL 2360	
Elementary Spanish I	MDFL 2311	3	First Aid/CPR	HLPE 3220	2
Humanities	HUMN 2310	3			
General Psychology	PSYC 2300	3			
		17			15
	<b>SENIOR YEAR</b>				
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			
Music Apprec. <b>OR</b> Art Apprec.		3			
		17			12

**\*Math 1550 Pre-calculus OR MATH 2510 Calculus may be substituted.**

**BACHELOR OF SCIENCE DEGREE IN BIOLOGY  
(NON-TEACHING)**

FALL SEMESTER			FRESHMAN YEAR				SPRING SEMESTER		
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
<b>SOPHOMORE YEAR</b>									
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		
Intro/Soc. Sci. <b>OR</b> Intro/Soc.	SOCI	1320/2310	3	Literature	ENGL	2300, 2360 or 2361	3		
Humanities	HUMN	2301	3	Physical Education	HLPE	1110-1125	1		
			17						15
<b>JUNIOR YEAR</b>									
Comparative Anatomy	BIOL	3460	4	Cell Biology	BIOL	3480	4		
Chemistry Elective	CHEM	2430/3412	4	General Physics II	PHYS	2420	4		
General Physics I	PHYS	2410	4	Mus. Apprec. <b>OR</b> Art Apprec.		2330/2340	3		
College Grammar <b>OR</b>	ENGL	3301		General Psychology American	PSYC				
Advanced Composition <b>OR</b>	ENGL	3310		Government <b>OR</b>	PSCI	2300 2312	3		
Technical Writing	JOUR	2322	3	U. S. History 2315/2318	HIST		3		
			15						17
<b>SENIOR YEAR</b>									
Developmental Biology	BIOL	4460	4	Genetics	BIOL	3440	4		
Foreign Language** <b>OR</b>	MDFL		3	Vertebrate Physiology	BIOL	4450	4		
Intro to Bus. Prog.	CPSC	2363		Foreign Language** <b>OR</b>	MDFL		3		
Mathematics Elective****	MATH		3	Spec. Topic/Visual Basic	CPSC	2322			
Biology Elective*** <b>OR</b>	BIOL		3-4	Biology Seminar	BIOL	4170	1		
Bioinformatics	CPSC	3346							
			13-16						12

\*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

Precalculus (MATH 1550). Calculus (MATH 2510) is not required but encouraged.

## Department of Chemistry and Physics

### Antonie H. Rice, Associate Professor/Chair

#### Professors

Miah Muhammad Adel  
Abul Kazi  
Mansour Mortazavi  
Richard Walker  
Grant Wangila

#### Associate Professors

Aslam H. Chowdhury

#### Instructor

Janee Adams

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 in Chemistry and Physics Education are 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.
6. Continuing educational opportunities for teachers and other professionals requiring advanced courses in the physical sciences.

#### 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.
- 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.

### B.S. in Chemistry (Non-Teaching)

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.
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 Physical/Earth Science (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.
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. Maximize experiences for students in the area of applied mathematics.
4. Student with adequate training in research and seminar presentations.
5. Students with opportunities to participate in professional organizations.
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)****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 presentation 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.

**BACHELOR OF SCIENCE DEGREE IN EDUCATION IN PHYSICAL/EARTH SCIENCE  
(TEACHING)**

FALL SEMESTER		FRESHMAN YEAR		SPRING SEMESTER	
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 <b>OR</b>	MUSI 2330 3		
General Chemistry I	CHEM1430 4	Art Appreciation	ART 2340		
English Composition I	ENGL 1311 3	Personal Health & Safety	HLPE 1310 3		
Foundation & Dev of Am. Edu.	EDUC 1200 2	English Composition II	ENGL 1321 3		
		General Chemistry II	CHEM1440 4		
	<b>18</b>		<b>17</b>		
		<b>*Take Praxis I</b>			
		SOPHOMORE YEAR			
U.S. History to 1877 <b>OR</b>	HIST 2315 3	Humanities <b>OR</b>	HUMN2301 3		
U.S. History Since 1877 <b>OR</b>	HIST 2318	Effective Thinking/Logic <b>OR</b>	HUMN2340		
American Government	PSCI 2312	Theater Appreciation	SPDR 2324		
First Aid/CPR	HLPE 3220 2	World Geography	GEOG2360 3		
Physical Education <b>OR</b>	HLPE 1110-1125 1	Organic Chemistry II	CHEM3420 4		
Learning to Lead	MLSC 1210	Earth Science II	CHEM2310 3		
Oral Communication	SPCH 2390 3	Instructional Media Tech	EDUC 2309 3		
Organic Chemistry I	CHEM3410 4				
Earth Science I	CHEM2300 3				
Survey of Exceptional Children	EDUC 2200 2				
	<b>18</b>		<b>16</b>		
		<b>*Take Praxis II</b>			
		JUNIOR YEAR			
General Psychology	PSYC 2300 3	Intro to Literature	ENGL 2300 3		
General Physics I	PHYS 2410 4	Elementary Spanish I	MDFL 2311 3		
Intro to Astronomy	PHYS 1445 4	General Physics II	PHYS 2420 4		
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		
	<b>17</b>		<b>16</b>		
		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	CHEM4330 3				
	<b>8</b>		<b>12</b>		

<b>CURRICULUM FOR BACHELOR OF SCIENCE CHEMISTRY (Non-teaching)</b>					
<b>FALL SEMESTER</b>			<b>SPRING SEMESTER</b>		
<b>FRESHMAN YEAR</b>					
English Composition I	ENGL 1311	3	English	ENGL 1321	3
General Chemistry I	CHEM 1430	4	General	CHEM 1440	4
Calculus I	MATH 2510	5	Calculus II	MATH 2520	5
Principles of Biology	BIOL 1455	4			
Physical Education	HLPE 1110	1	Physical	HLPE 1112	1
Career & Life Planning	BAS 1120	1	Personal & Social Dev	BAS 1210	2
		18			15
<b>SOPHOMORE YEAR</b>					
Organic Chemistry I	CHEM 3410	4	Organic	CHEM 3420	4
U.S. History	HIST 2315		Personal Health	HLPE 1310	3
Or American Government	PSCI 2312	3	Humanities	HUMN 2301	3
Quantitative Analysis	CHEM 2430	4	University	PHYS 3420	4
University Physics I	PHYS 3410	4	Principles of	ECON 2310	3
General Psychology	PSYC 2300	3			
		18			17
<b>JUNIOR YEAR</b>					
Comp Sci/Vis Basic	CPSC 2322	3	Computer Science Elective Oral	CPSC	3
			English Elective	ENGL	3
Music History Appreciation or	MUSI 2330	3	Foreign Language	MDFL	3
Art History Appreciation	ART 2340		Physical	CHEM 4420	4
Physical Chemistry I	CHEM 4410	4			
Foreign Language	MDFL	3			
		13			16
<b>SENIOR YEAR</b>					
Instrumental Analysis	CHEM 4440	4	Inorganic	CHEM 4310	3
Chemical Research	CHEM 4210	2	Research	CHEM 4212	2
			Math Elective		3-4
Biochemistry	CHEM 3412	4			
Biology Elective	BIOL	4	Chemistry	CHEM 4110	1
		13-17			10-15

**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
Career & Life Planning	BAS	1120	1	General Chemistry II	CHEM	1440	4
General Chemistry I	CHEM	1430	4	Physical Education	HLPE	1112	1
Humanities Elective			3				
			<u>17</u>				<u>16</u>

**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
			<u>17</u>				<u>15</u>

**JUNIOR YEAR**

Thermodynamics	PHYS	4341	3				
Analytical Mechanics I	PHYS	4321	3	Electricity/Magnetism	PHYS	4311	3
Computer Science/Programming	CPSC	2341	3	Modern Physics	PHYS	4331	3
Foreign Language	MDFL	2301	3	Laboratory Techniques	PHYS	3411	4
Math Methods in Phys	PHYS	4361	3	Foreign Language	MDFL		3
			<u>15</u>				<u>13</u>

**SENIOR YEAR**

Advanced Laboratory I	PHYS	4350	3	Quantum Mechanics	PHYS	4347	3
Space Physics	PHYS	4346	3	Optics	PHYS	4345	3
Computer Science/Programming			3	Intro to Solid State	PHYS	4352	3
				Research	PHYS	4220	2
Physics Seminar	PHYS	4221	2	Physics Elective			3
Research	PHYS	4210	<u>2</u>				
			13				<u>14</u>

## Department of Mathematical and Computer Sciences

**Charles R. Colen, Jr., Chair**

### Professors

Freddie D. Hartfield

### Associate Professor

Verma K. Jones

### Assistant Professors

Juanita Anthony

Sandeep Chinatabathina

Zohreh B. Howard

Jessie Walker

Elizabeth A. Wells (Visiting)

### Instructors

Sharokh Abedi

Celeste Alexander

Israt Chowdhury

Benjamin Garlington

Anna Harris

Alandrea Minor

Michael Seger

Danielle Walker

The Department of Mathematical and Computer Sciences 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)**

Covers 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 courses 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 courses 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 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				
			17				15
	<b>SOPHOMORE YEAR</b>						
Intro. To Statistics	MATH	2370	3	Software Engineering	CPSC	3300	3
U.S. History <b>OR</b> American Government	HIST	2315/2318	3	Oral Communication	MCOM	2390	3
	PSCI	2312					
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
			14				16
	<b>JUNIOR YEAR</b>						
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 <b>OR</b> 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
			16	Networking	CPSC	2344	3
							16
	<b>SENIOR YEAR</b>						
Numerical Solutions	CPSC	3271	2				
Numerical Solutions LAB	CPSC	3172	1	Computer Science Seminar	CPSC	4220	2
Technical Elective			3				
Math Elective	MATH		3				
Math Elective	MATH		3	Technical Elective			9
			12	Switching Theory	CPSC	4301	3
							14

**CURRICULUM FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE  
INFORMATION SYSTEMS - Option B**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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				
Physical Education	HLPE	1110-1125	1	Computer Science II (CS II)	CPSC	2300	3
			<u>17</u>				<u>15</u>
<b>SOPHOMORE YEAR</b>							
Intro. To Statistics	MATH	2370	3	Biological Science	BIOL	1450	4
US History <b>OR</b>	HIST	2315/2318	3	Software Engineering	CPSC	3300	3
American Government	PSCI	2312		Oral Communication	MCOM		3
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				
			<u>14</u>				<u>16</u>
<b>JUNIOR YEAR</b>							
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	3102	1
Art Appreciation <b>OR</b>	ART MUSI	2340	3	Database Management	CPSC		3
Music Appreciation		2330					
Algorithmic Lang. & Compilers	CPSC	3352	3	Discrete Math	MATH	3390	3
General Psychology	PSYC	2300	3	Local Area Networks	CPSC	2344	3
			<u>16</u>				<u>16</u>
<b>SENIOR YEAR</b>							
Numerical Solutions	CPSC	3271	2				
Numerical Solutions LAB	CPSC	3172	1				
Technical Elective			3	Computer Science Seminar	CPSC	4220	2
Technical Elective			3	Technical Elective			3
				Technical Elective			6
Math Elective	MATH		3	Switching Theory	CPSC	4301	3
			<u>12</u>				<u>14</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 student an opportunity to identify course requirements and to provide them with the skill sets

needed to be a productive individual 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.

**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. Sure 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.

**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. 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 bendings, 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. Prerequisites: MATH 1330 and MATH 1340 OR MATH 1550, TECH 1360

### **TECH 2315 SITE PLANNING & LAYOUT (3)**

Study and use of range and direction, coordinates, elevations, record systems, boundary surveys, leveling, property descriptions, traverses, metes and bounds, and topographical surveys. 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. By utilizing actual

plans and specifications of existing projects, enable 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. 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 pnpn switches. Introduction to Integrated Circuit Technology. 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. 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. 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, ProEngineer 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 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.

### **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 ANUFACTURING 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 fundamental, disassembling and reassembling a typical personal computer identifying the major computer components, preventive maintenance procedure, 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 of 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. Utilization of appropriate software. 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 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 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 exhibiting a working knowledge of the ITMAE curriculum to solve problems and develop competence with the utilization of Microsoft Office is required. Prerequisite: must be a graduating ITMAE seniors; however, special consideration 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.

### Curriculum for Bachelor of Science in Industrial Technology Management & Applied Engineering

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
Article I.					
English Composition I	ENGL 1311	3	English Composition II	ENGL 1321	3
Engineering Graphics	TECH 1302	3	Intro. To Manufacturing Process.	TECH 1360	3
Pre-Calculus	MATH 1550	5	Personal Health & Safety	HLPE 1310	3
Personal & Social Development	BAS 1210	2	Electronic Fundamentals	TECH 1332	3
Industrial Safety Management	TECH 1201	2	Physical Education	HLPE 111x	1
			Career Life Planning	BAS 1120	1
			Co-Op Seminar	TECH 2100	1
		<b>15</b>			<b>15</b>
Article II.	SOPHOMORE YEAR				
Biological Science	BIOL 1450	4	Robotics	TECH 2309	3
Literature-(Introduction--or--World)	ENGL 2300/60/61	3	Introduction to Statistics	MATH 2370	3
Humanities--OR--Logic	HUMN2301/40		U.S.History--OR--	HIST 2315	
Art Appreciation--OR--	ART 2340	3	U.S. History --OR--	HIST 2318	3
Music Appreciation	MUSI 2330		American Government	PSCI 2312	
Intro. to Business Programming	CPSC 2363	3	Oral Communications	MCOM 2390	3
Electronic Devices	TECH 2333	3	Computer Networking (LAN)	CPSC 2344	3
		<b>16</b>			<b>15</b>
Article III.	JUNIOR YEAR				
Economics I	ECON 2310	3	Economics II	ECON 2320	3
Ergonomics & Motion/TimeStudy	TECH 3310	3	Supply Chain & Inventory Management	TECH 3307	3
Principles of Management	MGMT 3300	3	Technical Elective (restricted)		3
Physical Science--OR--	CHEM 1411		Principles of Management	MGMT 3300	3
General Chemistry--OR--	CHEM 1430	4			
General Physics	PHYS 2410/20		Physical Science--OR--	CHEM 1411	
Digital Electronics	TECH 3337	3	General Chemistry--OR--	CHEM 1430	4
			General Physics	PHYS 2410/20	
		<b>15</b>			<b>16</b>
Article IV.	SENIOR YEAR				
Quality Control	TECH 4307	3	Automation	TECH 4366	3
Project Mgmt. / Est. Scheduling	TECH 4320	3	Fluid Power Systems	TECH 4372	3
Human Resource Mgmt. --OR--	MGMT 3318 OR	3	Technical Elective (restricted)		3
Production Operation Mgmt.	MGMT 4315				
Technical Writing	JOUR 3350	3	Senior Project	TECH 4342	3
Technical Elective (restricted)		3			
		<b>15</b>			<b>12</b>



**CURRICULUM FOR ASSOCIATE OF APPLIED SCIENCE  
INDUSTRIAL TECHNOLOGY**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Engineering Graphics	TECH	1302	3	Business Math	FINA	2321	3
College Algebra	MATH	1330	3	Materials, Construction Proceed.	TECH	1320	3
U.S. History –or- American Government	HIST PSCI	2318 2312	3	Intro. to Business Programming	CPSC	2363	3
Physical Education	HLPE	1110-1125	1	Electronics Fundamentals	TECH	1332	3
Industrial Safety Management	TECH	1201	2	Trigonometry	MATH	1340	3
			<hr/>				<hr/>
			15				15
<b>SOPHOMORE YEAR</b>							
Oral Communication	MCOM	2390	3	Physical Science or Chemistry	CHEM	1411/1430	4
Co-Op Seminar	TECH	2100	1	Codes / Specifications / Law	TECH	2321	3
Site Planning/Development	TECH	2315	3	Technical Elective			3
Physical Education	HLPE	1110-1125	1	Co-Op Internship	TECH	2600	6
Architectural Design	TECH	2303	3				
Principles of Economics I	ECON	2310	3				
			<hr/>				<hr/>
			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.

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

1. 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).

2. To enable students to meet the teacher certification requirements of Arkansas
3. To provide prospective secondary school teaching professionals with a well-rounded and balanced program of study (pure, applied computational mathematics)
4. To cooperate with the School of Education in developing sound pedagogical principles
5. To encourage research and to stimulate interest in current trends in mathematical education
6. 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 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 multi-variate 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, countability, and separation axioms. Prerequisite: Consent of instructor.

**4350 ADVANCED CALCULUS I (3)**

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			FRESHMAN YEAR			SPRING SEMESTER		
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	
			17				17	
<b>SOPHOMORE YEAR</b>								
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 ART	2340	2330	3
Intro. to Statistics	PSCI	2312	3	MUSIC Appreciation	MUSI			
	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
			16					18
<b>JUNIOR YEAR</b>								
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
			16					16
<b>SENIOR YEAR</b>								
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
			14					12



### CURRICULUM FOR BACHELOR OF SCIENCE IN MATHEMATICS OPTION II (Teaching)

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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
<b>SOPHOMORE YEAR</b>							
Intro. To Education	EDUC	1110	1	Health	HLPE	3213	2
Physical Education	HLPE	1110-1311	1	General Physics II	PHYS	2420	4
General Physics I	PHYS	2410	4	U.S. History Since 1865	HIST	2318	3
American Government	PSCI	2312	3	Intro. To Statistics	MATH	2370	3
Computer Science Elective	CPSC		3	Humanities Elective	HUMN		3
Found. & Dev. of American Educ.	EDUC	1200	2	Oral Communication	MCOM	2390	3
English Elective	ENGL		3				
			17				18
<b>JUNIOR YEAR</b>							
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
<b>SENIOR YEAR</b>							
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				12
Classroom & Behavior Managmt.	EDUC	4310	3				
			15				

## Pre-Engineering

### Objectives

- To provide a flexible, interdisciplinary and quality engineering background that helps smooth the student's transition to a degree-granting institution.
- 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 STATICS (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 <b>OR</b>	HUMN	2301	
Humanities or				Social Science Elect.	SOCI	1320	3
Social Science Elective			3				
			<u>18</u>				<u>16</u>

## Department of Nursing

### RN-to-BSN Program

**Jujuan English, Ph.D., RN**  
Chairperson

#### Instructors

Terica Woods, MSN, RN

#### B. S. in Nursing (Non-Teaching)

The Department of Nursing offers an four semester RN-to-BSN program that is approved by the Arkansas Department of Higher Education (ADHE). The program offers registered nurses who do not have a Bachelor of Science in Nursing the opportunity to earn this degree.

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.

The Essentials of Baccalaureate Education in Nursing for Professional Nursing Practice (AACN, 2008) is the foundation for the baccalaureate curriculum. 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 purposes of the RN-to-BSN program are to prepare graduates to:

1. Advance in their nursing careers,
2. Contribute to the improvement of healthcare outcomes in Arkansas,
3. Participate in the advancement of the profession,
4. Pursue a graduate degree related to career aspirations, and
5. Engage in lifelong learning.

The Department of Nursing assures equal opportunities to all qualified persons. For more information, contact the Department of Nursing at (870) 575-8220.

#### Program Objectives

The terminal objectives of the Department of Nursing 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. (AACN 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)
  - 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)
- The student must meet the following requirements to be admitted to the RB-to-BSN program:
- 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 for all students of the year in which the student plans to seek admission.
  - 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 prerequisite

general education and previous nursing courses. Admission GPA is calculated using only general education prerequisite courses and previous nursing courses excluding elective hours.

- Students must successfully complete prerequisite courses with a grade of 'C' or better.
- A. If you were 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: <http://etsis4.etsorg/center/center.jsp>.
- B. If an 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.

- 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.
- All students must have evidence of TB skin test, completed Hepatitis B series, and current CPR certification on file with the Department of Nursing before registering for any nursing course.

- At the beginning or the initial semester of enrollment and at the beginning of each fall semester in which the student is enrolled, all students are required to have criminal background checks, driving history record checks, and urine drug screens in order to remain enrolled in any nursing course. The cost of these screenings is at the expense of the individual student. The screenings will be completed by [www.CertifiedBackground.com](http://www.CertifiedBackground.com) which is a part of Castle Branch, Inc. The results are posted on the CertifiedBackground.com web site in a secure tamper-proof location. This allows the student and the UAPB Department of Nursing administrators to view the results. The urine drug screen is coordinated by this company, but is conducted at Lab Corp. Each student will receive instructions from CertifiedBackground.com regarding the closest Lab Corp facility to them.
- Attach official transcripts (in sealed envelopes) of all course work from all institutions attended to the completed application and the forward the entire packet to the Department of Nursing, Admissions Committee for review. Upon request, an accompanying catalog for the years covered by the transcript may be requested before evaluation can take place.
- Applicants must have current unencumbered Arkansas registered nurse license or a license from a compact state with privilege to practice through a compact agreement with the state of Arkansas. If the RN-to-BSN Program is offered online: applicants must have a current unencumbered RN license in the state where they are practicing.

### Readmission Procedures

For readmission into the nursing program students must:

- Complete an application for readmission using the form provided by the Department of Nursing;
- 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.



- Any student readmitted into the nursing program will be re-admitted under the current curriculum, effective Spring, 2014.

The student is responsible for submitting all forms and transcripts to the Department of Nursing before October 15 or March 15, depending upon the semester for which readmission is sought. An evaluation and decision will be made by the appropriate committee within the department.

Readmission will 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 prerequisite courses are not successfully completed.
- The student has unsuccessfully completed the readmission process two times.
- 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.

### **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 2315/2318 U.S. History OR  
 PSCI 2312 American Government  
 MUSI 2330 Music Appreciation  
 OR  
 ART 2340 Art Appreciation  
 MATH 2370 Statistics

### **Nursing Courses**

NURS 3201 Professional Development I: Introduction to Professional Nursing  
 NURS 3312 Nursing Informatics  
 NURS 3301 Health Assessment  
 NURS 4201 Professional Development II: Roles and Ethics  
 NURS 4311 Nursing Care of Older Adults Theory  
 NURS 4213 Nursing Care of Older Adults Practicum  
 NURS 4301 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 4312 Professional Development IV: Role Integration Theory  
 NURS 4212 Professional Development IV: Role Integration 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—100-93  
 B—92-83  
 C—82-75  
 D—74-65  
 F—64 or below

### **Nursing Courses (NURS)**

#### **NURS 3201 PROFESSIONAL DEVELOPMENT I (2)**

This introductory course provides a foundation for other nursing courses. Concepts basic to the nursing profession, concepts necessary for successful completion of a baccalaureate in nursing program, and informatics are discussed. Lecture: 2 hours per week. Requisite: admission to the nursing program. Credits: 2 semester hours. Concurrent: NURS 3301 and NURS 3312.

#### **NURS 3204 PROFESSIONAL DEVELOPMENT II: ROLES AND ETHICS (2)**

This course is designed to emphasize the foundational relevance of ethics to the practice of professional nursing. This course helps students determine when they and others are experiencing moral and ethical angst, and helps them develop pathways of reflective thinking and

communicating related to ethical challenges in nursing practice. Thoroughly reading the ANA Code of Ethics and makings its provisions determinants for ethical practice is a course expectation. Credit: 2 semester hours. Requisite: Successful completion of NURS 3201. Concurrent: NURS 4311 and 4212.

### **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 learn to apply the basic skills of observation, inspection, palpation, and auscultation in a head-to-toe assessment. The effects of cultural diversity in performing the health assessment procedure are emphasized. This 3 hours course is made up of 2 credits of didactics and 1 credit hour of laboratory skills. One credit hour of laboratory skills = 3 hours of laboratory time. Thus, for a 15 week semester, this will 2 hours theory = 30 clock hours and 1 hour credit lab = 45 clock hours. Credit: 3 semester hours. Requisite: Admission to the nursing program. Concurrent: NURS 3201 and NURS 3312.

### **NURS 3312 NURSING INFORMATICS (3)**

This course explores the use of information 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 health care information are discussed. Credit hours: 3 semester hours. Requisite: Admission to the nursing program. Concurrent: NURS 3301 and NURS.

### **NURS 4202 PROFESSIONAL DEVELOPMENT III: LEADERSHIP AND MANAGEMENT PRACTICUM (2)**

This course is the practicum component to NURS 4301. Students experientially apply leadership and management concepts learned in NURS 4301 to improve health care outcomes. 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 the practicum results in a failing grade, a failing grade will be recorded for both the theory and the practicum components; both courses will have to be repeated concurrently. Credit: 2

**semester hours. Practicum: 6 hours per week (90 clinical contact hours). Concurrent: NURS 4301 and NURS.**

**NURS 4209 NURSING CARE OF COMMUNITIES AND POPULATIONS PRACTICUM (2)**

**This course is the practicum component of NURS 4306. This course allows students to experientially apply concepts learned in NURS 4306 Nursing Care of Communities and Populations. Students are expected to complete a community assessment project and a family assessment project. These projects will be presented during class as the end of the semester. This course requires the completion of 90 clinical hours and is a pass/fail course. Both the theory and the practicum components must be successfully completed. If either the theory or the 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: 2 semester hours. Practicum: 6 hours per week (90 clinical hours). Concurrent: NURS 4306, NURS 4212, and NURS 4312.**

**NURS 4312 PROFESSIONAL DEVELOPMENT IV: ROLE INTEGRATION THEORY**

This course assists the RN-to-BSN student in integrating baccalaureate nursing with present practice roles. Issues affecting the practice of nursing in the 21<sup>st</sup> Century are discussed. The RN-to-BSN student explores new practice roles in the practicum component of this class NURS 4208. Lecture: 3 hours per week. Credit: 3 semester hours. Concurrent: NURS 4212 NURS 4209, and NURS 4306.

**NURS 4212 PROFESSIONAL DEVELOPMENT IV: ROLE INTEGRATION PRACTICUM (2)**

This course is the practicum component to NURS 4312. This course assists the RN-to-BSN student to get hands-on experience in different settings that affect health care delivery such as the legislature and nursing organizations. This course allows the student to develop new ways of solving healthcare problems. This course must be completed successfully to pass NURS4312. If either the theory component of the practicum component results in a failing grade, the student will fail both components of Professional Development IV: Role Integration. Both components will have to be repeated concurrently. Credit: 2 semester hours. Practicum: 6 hours per week. Current: NURS 4312, NURS 4306, and NURS 4209.

**NURS 4213 NURSING OF OLDER ADULTS PRACTICUM (2)**

This course is the practicum course for NURS 4311 Nursing Care of Older Adults Theory. Students apply concepts learned in NURS 4311 in the care of aging and older adults. This course must be successfully completed to pass NURS 4311. If either the theory component or the practicum component results in a failing grade the student will fail both components. Both components will have to be repeated concurrently.

**NURS 4301 PROFESSIONAL DEVELOPMENT III: Leadership and Management Theory (3)**

This course is designed to emphasize the relevance of quality leadership, management knowledge, and skills necessary for the practice of professional nursing. The course teaches the student to determine strategies and rationales for effective leadership and management approaches in professional nursing practice. This course uses landmark documents that are summaries of research and evidence-based recommendations to ensure the implementation of best practices for healthcare improvement. Lecture: 3 hours per week. Credit: 3 semester

hours. Concurrent: NURS 4202 and NURS 4310.

**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 to reduce premature death, illness, and disability. The course uses the goals and objectives of Healthy People 2020 targeting social, economic, and environmental factors that impact the health of individuals, families, communities, and populations across the life span. Lecture: 3 hours per week. Credit: 3 semester hours. Concurrent: NURS 4209, NURS 4212, and NURS 4312.

**NURS 4310 EVIDENCE-BASED PRACTICE AND NURSING RESEARCH (3)**

Evidenced-based Practice and Nursing Research advances the mission and philosophy of the UAPB Department of Nursing by preparing students for scholarly excellence in future nursing roles. Students acquire skills in reading and critiquing qualitative and quantitative research including 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, though 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 during the university's Annual Research Forum. Lecture: 3 hours per week. Credit: 3 semester hours. Prerequisite: Successful completion of MATH 237 Statistics or its equivalent with a grade of 'C' or better. Concurrent: NURS 4301 and NURS 3202.

### **NURS 4311 NURSING CARE OF OLDER ADULTS THEORY (3)**

Nursing Care of Older Adults Theory prepares the nursing student for the careful considerations and accommodations requires for the safe comprehensive care of culturally diverse seniors. This course is designed in congruence with the mission and philosophy of the UAPB Department of Nursing, the American Nurses Association (ANA) Code of Ethics (2001), ANA's Social Policy Statement (2012), and ANA's Scope of Practice (2010). Lecture: 3 hours per week. Credit: 3 semester hours. Concurrent: NURS 3204, and NURS 4213.

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE IN NURSING  
RN-to-BSN Track**

FALL SEMESTER			SPRING SEMESTER			
<b>FRESHMAN YEAR</b>						
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
			<u>15</u>			<u>16</u>
<b>SOPHOMORE YEAR</b>						
General Microbiology	BIOL	3470	4	US History <b>OR</b>	HIST 2315/18	3
Developmental Psychology	PSYC	2302	3	American Government	PSCI 2312	
Intro. to Statistics	MATH	2370	3	Art Appreciation <b>OR</b>	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
			<u>15</u>			<u>15</u>
<b>JUNIOR YEAR</b>						
Informatics in Nursing	NURS	3312	3	Professional Dev. II: Roles and Ethics	NURS 3204	2
Professional Dev. I: Introduction to Prof. Nsc.	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			<u>8</u>			<u>7</u>
<b>SENIOR YEAR</b>						
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
			<u>8</u>	Professional Dev. IV: Role Integration Practicum	NURS 4212	2
			<u>10</u>			<u>10</u>

**Gen. Educ. Hrs.: 59; Nrsq. Educ. Hrs: 33 Hrs. awarded to Arkansas Articulation Model 30  
Grand Total Hrs. 124**

NOTE: The sequence of courses as presented in the curriculum outline is recommended by the faculty. All general education courses previous to the semester in which the student will be progressing are considered prerequisite courses and MUST be completed with a grade of "C" or above. Before deviating from this sequence, consult your nursing advisor. Nursing courses MUST be taken in sequence. Failure to take all prerequisite courses WILL result in denial of admission and/or progression.

**\*\*Articulation Requirements: According to the Arkansas Articulation Model, the RN student articulates through successful completion of the following courses: Introduction to Nursing, Adult Health I, Adult Health II, and Adult Health 3, Psychiatric/Mental Health, Childbearing Family, and Child Health. The RN must complete 33 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.**



# SCHOOL *of* BUSINESS AND MANAGEMENT

Carla M. Martin, Dean  
Barbara Grayson, 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.

## 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.
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, Interim Chair**

### Professor

Arthur D. Karlin

### Associate Professor

Barbara Grayson

### Assistant Professor

Albert Hammons

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 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		
<b>FRESHMAN YEAR</b>					
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 <b>OR</b>	HIST	2318
Business Ethics	MGMT	2200	2 American Government	PSCI	2312 3
		18			14
<b>SOPHOMORE YEAR</b>					
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
<b>JUNIOR YEAR</b>					
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
Management Info. System	MIS	3350	3 Principles of Marketing	MKTG	3300 3
General Elective	ELEC		3		
		18			15
<b>SENIOR YEAR</b>					
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

## Department of Business Administration

### Mirza Shahjahan, Chair

#### Associate Professors

Richard Carr, Jr.  
Barbara Grayson  
Eddie Hand  
Jules King  
Joon Park

#### Assistant Professors

Peter Wui  
Geraldine Buckingham

#### Instructors

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
<b>TOTAL HOURS</b>			<b>44</b>

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	46
Additional Required Courses	16
Core Business School Requirements	44
Management Concentration Requirements	18
<b>TOTAL HOURS</b>	<b>124</b>

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	46
Additional Required Courses	16
Core Business School Requirements	44
Finance Concentration Requirements	18
<b>TOTAL HOURS</b>	<b>124</b>

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 Finance	3
FINA	4320	International Finance	3
FINA	4312	Risk Management	3
FINA	3318	Real Estate	3
FINA	****	Finance Elective or Marketing Elective	3
<b>TOTAL HOURS</b>			<b>18</b>

### Concentration in Marketing

Total credit hours needed to graduate in Business Administration with a concentration in Marketing include:

General Education Requirements	46
Additional Required Courses	16
Core Business School Requirements	44
Marketing Concentration Requirements	18
<b>TOTAL HOURS</b>	<b>124</b>

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
<b>TOTAL HOURS</b>			<b>18</b>

### Concentration in Economics

Total credit hours needed to graduate in Business Administration with a concentration in Economics include:

General Education Requirements	46
Additional Required Courses	16
Core Business School Requirements	44
Economics Concentration Requirements	18
<b>TOTAL HOURS</b>	<b>124</b>

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
<b>TOTAL HOURS</b>			<b>18</b>

### 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	53
Core Business School Requirements	26
Core Education Requirements	36
Business Technology Education Concentration	15-18
<b>TOTAL HOURS</b>	<b>130-133</b>

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
		<b>TOTAL HOURS</b>	<b>51-54</b>

### 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 citizen with government and the citizen 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

**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,

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.

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**

		<b>FRESHMAN YEAR</b>					
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	American Government	PSCI	3300	3
Physical Education	HLPE	1111	1	Intro to School of Educ.	EDUC	1110	1
Personal Health & Safety	HLPE	1310	3	Social Science	SOCI	1320	3
		18				18	
		<b>SOPHOMORE YEAR</b>					
Oral Communication	MCOM	2390	3	College Grammar	ENGL	3301	3
Principles of Economics I	ECON	2310	3	Principles of Economics II	ECON	2320	3
Humanities Elective	HUMN	-----	3	U.S. History 2315 <b>OR</b> 2318	HIST	-----	3
Principles of Accounting I	ECON	2311	3	Keyboarding II	BUED	2321	3
Found./Dev/American Educ	EDUC	1200	2	Literature Elective <b>OR</b> 2300/2360	ENGL	-----	3
Keyboarding I	BUED	2311	3	Safety Education	HLPE	3225	2
		17				17	
		<b>JUNIOR YEAR</b>					
Principles of Accounting I	ACCT	2311	3	Principles of Accounting II	ACCT	2323	3
Principles of Management <b>OR</b>	BUED	4310	3	Business Communication	BUED	3301	3
Office Management				Survey/Ex/Children	SPED	2300	3
Principles of Marketing	MKTG	3300	3	Business Math	FINA	2321	3
Util/Instructional Media	EDUC	2309	3	Assess Middle/Sec/Learner	EDUC	3366	3
General Psychology	PSYC	2300	3	Computer Science Elective	CPSC	-----	3
Business Law	BADM	2309	3				
		18				18	
		<b>SENIOR YEAR</b>					
Computer Science Elective	CPSC	-----	3	Student Teaching (Clinical)	EDUC	4600	6
Psy./Lmg/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				
		14				14	

### CURRICULUM FOR A CONCENTRATION IN FINANCE

FALL SEMESTER		SPRING SEMESTER					
<b>FRESHMAN YEAR</b>							
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 <b>OR</b>	PSCI	2312	3
Humanities	HUMN	2301	3	U.S. History	HIST	2315	
Physical Education	HLPE	-----	1	Physical Education	HLPE	-----	1
		<u>18</u>				<u>15</u>	
<b>SOPHOMORE YEAR</b>							
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>	
<b>JUNIOR YEAR</b>							
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 <b>OR</b>	FINA	3318	
Non Business Elective	-----	-----	3	Risk Management	FINA	4312	3
Non Business Elective	-----	-----	3	Management Info Systems	MIS	3350	3
Non Business Elective	-----	-----	1	Business Elective	-----	-----	3
		<u>16</u>				<u>15</u>	
<b>SENIOR YEAR</b>							
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**

English Composition I	ENGL
Biological Science	BIOL
College Algebra	MATH
Personal & Social Development	BAS
Humanities	HUMN
Physical Education	HLPE
Business Ethics	MGMT

**SPRING SEMESTER****FRESHMAN YEAR**

English Composition II	ENGL	1321	3
Phys. Sci. <b>OR</b> Phys. 1445	CHEM	1411	4
Micro Computer Applications	MIS	1312	3
Career & Life Planning	BAS	1120	1
American Government <b>OR</b>	PSCI	2312	
US History 2315	HIST	2318	3
Physical Education	HLPE	----	1

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**15****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

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**15****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
Non Business Elective			3	Management Info Systems	MIS	3350	3
Non Business Elective			3	Seminar in Small Bus. Entrep.	MGMT	4340	3
Non Business Elective		----	1				

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**15****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

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**15**

### CURRICULUM FOR A CONCENTRATION IN MARKETING

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Biological Science	BIOL	1450	4	Physical Science <b>OR</b>	CHEM	1411	
College Algebra	MATH	1330	3	Physics	CHEM	1445	4
Personal & Social Development	BAS	1210	2	Microcomputer Applications	MIS	1312	3
Humanities	HUMN	2301	3	Career and Life Planning	BAS	1120	1
Physical Education	HLPE	-----	1	American Government <b>OR</b>	PSCI	2312	
Business Ethics	MGMT	2200	2	U.S. History	HIST	2318	3
				Physical Education	HLPE	-----	1
			<u>18</u>				<u>15</u>
<b>SOPHOMORE YEAR</b>							
Oral Communication	MCOM	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>
<b>JUNIOR YEAR</b>							
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
Non Business Elective		-----	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>
<b>SENIOR YEAR</b>							
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**

English Composition I	ENGL
Biological Science	BIOL
College Algebra	MATH
Personal & Social Development	BAS
Humanities	HUMN
Physical Education	HLPE

**SPRING SEMESTER****FRESHMAN YEAR**

English Composition II	ENGL	1321	3
Physical Science	CHEM	1411	4
Micro Computer Applications	MIS	1312	3
Career & Life Planning	BAS	1120	1
American Government	OR PSCI	2312	
US History 2315	HIST	2318	3
Business Ethics	MGMT	2200	2
Physical Education	HLPE	-----	1
		<hr/>	<hr/>
		16	17

**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
		<hr/>	<hr/>			<hr/>	<hr/>
		15				15	

**JUNIOR YEAR**

Intermediate Microeconomics	ECON	3300	3	Non Business Elective	-----	3	
Money & Banking I	ECON	3315	3	Management Info Systems	MIS	3350	3
Non Business Elective	-----	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				<hr/>	<hr/>
		<hr/>	<hr/>			16	15

**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	
		<hr/>	<hr/>			<hr/>	<hr/>
		15				15	

# SCHOOL *of* EDUCATION

**Fredda D. Carroll, 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 the School's mission through teaching, research, and public service to the Delta Region, state of Arkansas and nation.

## **Administration and Organization**

The Dean oversees all SOE administrative issues. Accreditation and the institutional licensure process is a branch of the Dean's office. The National Council for Accreditation of Teacher Education (NCATE) accredits all SOE licensure programs.

The School of Education is composed of two departments: Curriculum and Instruction and the Department of Health, Physical Education and Recreation.

## **Committee Support Structure**

The *Teacher Education Committee* (TEC) is the governing body for SOE policy, procedures, and undergraduate curricular matters. This committee has interdepartmental membership with 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 and exit.

## **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 upon current research, assessments data and best practices, with appropriate modeling of technology integration.
- collaborate with public school practitioners and professionals from other community related agencies in the preparation of educators.

- prepare candidates who exhibit ethical behavior consistent with laws and policies governing education.
  - assist teacher candidates in the acquisition of knowledge, skills, and appropriate dispositions for educators.
- Physical/Earth Science Education
  - Physical Education, Recreation & Leisure Education
  - Social Studies Education
  - Art Education, grades P-12
  - Music Education (Vocal **OR** Instrumental), grades P-12
  - Rehabilitation Services—Non-licensure
  - Leisure Recreation—Non-licensure

### Education Departments

There are two departments within the SOE. They are the Department of Curriculum and Instruction and the Department of Health, Physical Education and Recreation.

The SOE offers Bachelor of Science (B.S.) degrees leading to educational licensure in these fields:

- Early Childhood Education, Grades P-4
- Middle Childhood Education, Grades 4-8 Candidates choose one area of **Emphasis:** Language Arts and Social Studies **OR** Mathematics and Science.
- Secondary Education (grades 7-12):
  - Agriculture Technology Science Education
  - Business Technology Education
  - English Education
  - Human Sciences Education
  - Life/Earth Science Education
  - Mathematical & Computer Sciences Education

### School of Education Policies

No student may **register** for restricted SOE coursework until they have successfully completed PRAXIS I exam and admitted to the SOE. Upon formal admission into the SOE, students become **teacher candidates**. Transfer students must complete UAPB residency requirements for licensure eligibility.

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 make final determinations regarding site placement for candidate teaching assignments. Candidate teaching placement sites are 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 State Board of Education. These requirements may include prerequisite coursework, professional education coursework, field experiences, and student teaching requirements. Arkansas state teacher assessments, current at the time of program entrance and exit, are also required.

Courses listed below may be taken prior to admission to the SOE:

ECE 1200	Foundation of Early Childhood Education
EDUC 1200	Foundations and Development of American Education
SPED 2210	Intro to Learners with Special Needs
SPED 2200	Survey—Exceptional Children
SPED 2310	Intro to Learners with Special Needs (Early Childhood majors)
EDUC 2300	Instruc. Media & Technology
EDUC 2210	Testing Seminar (All majors)
ECE 3301	Child Development (Early Childhood Majors) <b>OR</b>
MLED 3301	Adolescent Development (Middle and Secondary Education Majors)
EDUC 3235	Education for Cultural Diversity
ECE 3233	Diversity & Young Learners (Early Childhood Majors)
<b>HLPE 1310</b>	<b>Personal Health &amp; Safety</b>
SPED 2320	Speech & Language Acquisition (Early Childhood Majors)
RECR 3231	Primary & Lead Up Games for Children
MUSI 2350	Public School Music
ART 2360	Children's Art
Math 4340	Modern Elementary Mathematics 1

## SOE Admission Policies

Students must:

- Successfully complete the Praxis I assessment.
- Hold a minimum GPA of 2.75.
- File a formal application for admission with the chair of the Admission, Retention and Exit Committee.
- Successfully complete an admission's interview.
- Submit two letters of recommendation from an academic advisor, faculty or department chair.

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 a higher mathematics course)  
 EDUC 1200 Foundations & Development of American Education  
 ECE 1200 Foundation of Early Childhood Education

## SOE Advisement & Retention Policy

Upon formal admission into the SOE, students become **teacher candidates**. Candidates have an 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 offering the academic area 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 education candidates are required to complete a planned sequence of courses and 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 GPA of 2.75 in all teacher education courses to remain a student in good standing.

### **Professional Semester (Student Teaching) Admission Requirements**

Candidates seeking admission to the professional semester must meet the following requirements:

- Receive approval for admission to the professional semester assignment.
- Have a cumulative GPA of 2.75 or better in all teacher education courses.
- Have satisfied the state required scores on the appropriate PRAXIS I and PRAXIS II assessments.
- Have completed all required professional education and academic major coursework with a grade of "C" or higher. However, a candidate may

enroll in a maximum of four hours of course work in addition to student teaching by special permission, from an Advisor, Department Chair and Dean.

- Possess proof of \$100,000 liability insurance policy, through membership of S-AEA.
- Have an approved, signed degree plan on file with the Director of Field Experiences.
- Provide evidence of a negative TB skin test or X-ray taken within the past three months.

### **Exit Policy**

In order to meet graduation requirements from the School of Education, a student must:

- Have a minimum GPA of 2.75.
- Acquire passing scores on the PRAXIS I and PRAXIS II content and PRAXIS II PLT / pedagogy assessments.
- Complete all university degree requirements.

### **Adult Education Mission Statement**

To provide, in collaboration with other agencies, educational opportunities for adults who lack the basic skills for effective citizenship and productive employment, including:

- Basic education necessary to be literate.

- Basic job training and retraining.
  - Basic education necessary to complete at least the level of secondary school.
  - Basic computer skills.
  - ESL instruction designed to increase English language proficiency.
- attended. The Adult Education Program also reserves the right to deny enrollment if past behavior is determined to be a threat to the safety and learning environment of the school. In addition, the Adult Education Program reserves the right to deny continuing participation of students who disrupt classes, who violate attendance policies, or any other policies established by UAPB.

### **Adult Education Philosophy**

To provide adult learners with opportunities to refine their basic academic skills, attain an Arkansas high school diploma, and improve the life skills that prepare the citizen for self-sufficiency and a higher quality of life. The program strives to meet the needs of its learners through varied class times and settings, individualized instruction, materials and courses that are provided free of charge.

### **Adult Education Admission Policy**

The Adult Education Program at UAPB is designed for the serious adult learner who desires and can benefit from the instruction. Persons 18 years of age or older may enroll in adult education programs and may be asked to provide proof of age prior to entering. Adult education shall not serve a student who is counted toward average daily membership in any secondary school system.

The Adult Education Program reserves the right to request information about the student from the last school

**NOTE:** This on-campus admission policy is not intended to exclude adult education services to eligible participants under the age of 18 years at various off-campus sites (i.e., Arkansas Department of Community Corrections, where such services have been contracted and are considered to be in the best interests of UAPB, the Adult Education Program and the community.

### **Adult Education Classes**

Adult Basic Education (ABE) and General Educational Development (GED) classes are available free of charge on the UAPB campus to students wishing to improve their basic skills or prepare for the GED high school equivalency tests. Day and evening classes are available. Enrollment is accepted on Mondays and Tuesdays. ABE/GED students are expected to adhere to all UAPB and ABE/GED rules and regulations related to student Standards of Conduct. Upon receiving a GED diploma, students are encouraged to enroll in a degree or certificate program at UAPB. Contact the ABE/GED Office at (870) 575-8202 for enrollment details.

## English as a Second Language (ESL)

English as a Second Language, also referred to as ESL, classes are offered free to adults from other countries who wish to gain valuable life skills, learn to speak English and improve skills in reading and writing English.

## Workforce Alliance for Growth in the Economy (WAGE)

WAGE is an employability readiness program. State certificates may be earned in employability, clerical and/or industrial categories.

## Basic Computer Skills Training

Techni-Media software is used to acquire computer skills in 1 to 11 different programs.

**NOTE:** All classes and administered tests are free to adults, 18 years of age and older. Students cannot be dual-enrolled in a K-12 school or college if enrolled in the Adult Education Program

## Ellen Jimmerson-Eddings, Chair

### Professors

Shelbie Anderson  
 Fredda D. Carroll  
 Linda Joshua  
 Glenda Kennedy  
 Hazel Linton

### Associate Professors

Ellen Jimmerson-Eddings  
 Vera Lang-Brown  
 Brenda Martin

### Assistant Professor

## Bettye Dunn-Wright

### Instructor

Willie Mae Nesby

### Coordinator of Field Experience

Willie Mae Nesby

### 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 they pertain to diverse student population.
- The knowledge, skills and abilities to make appropriate instructional decisions.
- Reflective teaching habits to design, deliver, assess and refine instruction to meet the learning needs of all students.

## Education Courses (EDUC)

### EDUC 1200 FOUNDATIONS & DEVELOPMENT OF AMERICAN EDUCATION (2)

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 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. Prerequisite: Admission to the SOE.

**EDUC 3366 ASSESSING MIDDLE/SEC/LEARNERS (3)**

The course addresses the area of assessment including standardized tests and informal strategies. Emphasis 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. Prerequisite: Admission to the SOE.

**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-4<sup>th</sup> 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 - 4<sup>th</sup> grade. The curriculum culminates in a Bachelor of Science degree in Early Childhood Education.

### **ECE 1200 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION (2)**

A professional education course which is an orientation to the field of Early Childhood Education with emphasis on the aims, philosophy, and development of early childhood education. Field

Experience Requirements: Ten (10) hours

### **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, 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. Prerequisite: Admission to the SOE.**

**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. Prerequisite: Admission to the SOE.**

**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 Prerequisite: Admission to the SOE.**

**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; lessons 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. Prerequisite: Admission to the SOE.**

**ECE 4306 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 Prerequisite: Admission to the SOE.**

**ECE 4307 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. Prerequisite: Admission to the SOE.**

**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 Prerequisite: Admission to the SOE.**

**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 (3)**

**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.**

**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. **Prerequisite: Admission to the SOE.**

**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. **Prerequisite: Admission to the SOE.**

**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. **Prerequisite: Admission to the SOE.**

**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.  
**Prerequisite: Admission to the SOE.**

### **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 and admission to the SOE.**

### **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** Prerequisite: **Admission to the SOE.**

### **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** Prerequisite: **Admission to the SOE.**

### **Special Education Coursework (SPED)**

#### **SPED 2200 SURVEY OF EXCEPTIONAL CHILDREN (2)**

Foundation course in special education, designed to describe the scope of the field. **Minimum 10 hrs. field experience required.**

#### **SPED 2301 SPEECH AND LANGUAGE DEVELOPMENT (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.  
**Prerequisite: Admission to the SOE.**

### **SPED 2210 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. **Ten (10) hours of field experience in a special education classroom is 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. **Prerequisite: Admission to the SOE.**

### **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. Prerequisite: Admission to the SOE.**

### **Secondary Education**

The Secondary Education teacher preparation programs offer a course of study preparing candidates to become competent teachers. Secondary candidates have in-depth knowledge in a selected 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):**

#### **Art Education, grades P-12**

Business Technology Education

English/Education

Health & Physical Education, Wellness & Leisure Education

Human Sciences

#### **Music Education (Vocal OR Instrumental), grades P-12**

Mathematics Education

Science Education: Life & Physical/Earth **Science**

**Social Studies Education**

### **Secondary Education Courses**

### **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** **Prerequisite: Admission to the SOE.**

**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: 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.

### **RHAB4600 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 admission to the professional semester, senior status, and be within 4 hours of completing all other required course work.**

### **RHAB 4650 PRACTICUM IN REHABILITATION STUDIES(12)**

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.

## **Human Sciences 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)**

**VOED 4321 VOCATIONAL EDUCATION CAREER ORIENTATION (Elective) (3)**

**VOED 3323 MATERIALS AND METHODS IN TEACHING VOCATIONAL EDUCATION IN AGRICULTURE (3)**

**VOED 4312 METHODS OF TEACHING AGRICULTURAL MECHANICS (3)**

**VOED 4342 PROGRAM PLANNING IN VOCATIONAL EDUCATION/AGRICULTURE (3)**

**VOED 3220 MIDDLE SCHOOL HUMAN SCIENCES METHODS (2)**

**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.**

**VOED 1353 EXPLORING TECHNOLOGY/ COMMUNICATION (3)**

**VOED 1410 INDUSTRIAL ARTS (4)**

**VOED 2355 EXPLORING TECH MANUFACTURING (3)**

**VOED 3354 EXPLORING TECH/ENERGY, POWER & TRANSPORTATION (3)**

**ORGANIZATION (2)**

**VOED 4320 MATERIALS AND METHODS OF INDUSTRIAL EDUCATION (3)**

**4330 TRADE ANALYSIS (3)**

**Curriculum for Bachelor of Science Degree  
Middle Level Education Mathematics and Science (4-8)  
120 -Hours**

FALL SEMESTER			SPRING SEMESTER
<b>FRESHMAN YEAR</b>			
Personal & Soc. Dev.	BAS 1210	2 English Composition II	ENGL 1321 3
Career & Life Planning	BAS 1120	1 <b>Physical Science</b>	<b>CHEM 1411 4</b>
English Composition I	ENGL 1311	3 Intro. to Literature	ENGL 2300 3
Biological Science	BIOL 1450	4 Foundations & Dev. of Education	EDUC 1200 2
College Algebra	MATH 1330	3 Personal Health & Safety	HLPE 1310 3
	<u>13</u>		<u>15</u>
<b>SOPHOMORE YEAR</b>			
GEOG 2301 OR GEOG 2360	GEOG 3	Oral Communication	MCOM 2390 3
General Psychology	PSYC 2300	3 Survey – Exceptional Children	SPED 2200 2
		Modern Math II	MATH 4341 3
Modern Elementary Math I	MATH 4340	3	
		HIST 2315, HIST 2318 or PSCI 2312	3
HLPE 1100-1122	HLPE 1	Arkansas History	HIST 3300 3
Humanities	HUMN 230	3 Instructional Media & Technology	EDUC 2309 3
ART 2340 or MUSI 2330		3	
	<u>16</u>		<u>17</u>
<b>JUNIOR YEAR</b>			
Astronomy	PHYS 1445	4 <b>Pre-Calculus</b>	<b>MATH 1550 5</b>
American Government	PSCI 2312	3	
Adolescent Dev.	MLED 3301	3 Psy. of Teaching Adolescent Learner	MLED 3302 3
College Trig. <b>OR</b> <b>Introduction to Statistics</b> <b>2370</b>	<b>MATH</b> MATH 1340	3 Methods of Teaching Reading	RDNG 4315 3
Education Cultural Diversity	EDUC 3235	2 Methods/Materials Math/Science	MLED 4302 3
		College Grammar <b>or</b>	ENGL 330 3
		Advanced Composition	EMGL 331 3
	<u>15</u>		<u>17</u>
<b>SENIOR YEAR</b>			
<b>Classroom Behavior Management</b>	<b>EDUC 3303</b>	3 Student Teaching/Clinical	EDUC 4600 6
MM Language Arts/Social Studies	MLED 4301	3 Student Teaching/Practicum	MLED 4617 6
College Geometry	MATH 3350	3	
Earth Science	CHEM 2300	3	
Assess. Mid./Secondary Learner	EDUC 3366	3	
	<u>15</u>		<u>12</u>



**Curriculum for Bachelor of Science Degree  
Middle Level Education Language Arts and Social Studies (4-8)**

120 Hours

**SPRING SEMESTER**

**SPRING SEMESTER**

**FRESHMAN YEAR**

Personal & Social Development	BAS 1210	2	English Composition II	ENGL 1321	3
Career & Life Planning	BAS 1120	1	<b>Physical Science</b>	<b>CHEM</b>	<b>4</b>
English Composition I	ENGL 1311	3	Intro. to Literature	ENGL 2300	3
Biological Science	BIOL 1450	4	Foundations American Education	EDUC	2
College Algebra	MATH 1330	3			
Personal Health & Safety	HLPE 1310	3	Oral Communication	MCOM 2390	3
		<u>16</u>			<u>15</u>

**SOPHOMORE YEAR**

<b>Geography of North America</b>	<b>GEOG 2301</b>	<b>3</b>			
General Psychology	PSYC 2300	3	Survey for Exceptional Children	SPED	2
HLPE 1100-1122		1	English Literature II	ENGL 2320	3
College Trigonometry <b>OR</b> <b>Introduction to Statistics</b> <b>MATH 2370</b>	MATH 1340	3	HIST 2315 <b>OR</b> HIST 2318 <b>or</b> PSCI 2342		3
HUMN 2301 or HUMN 2340	HUMN	3	Astronomy	PHYS 1445	4
ART 2340 or MUSIC 2330		3			
			Instructional Media & Technology	EDUC 2309	3
		<u>16</u>			<u>15</u>

**JUNIOR YEAR**

<i>African American Literature</i>	ENGL 3319	3	<b>American Literature I 3320 OR</b>	<b>ENGL NGL</b>	ENGL 3330	3
Adolescent Development	MLED 3301	3	Classroom/Behavior Management	<b>3320</b>	EDUC 3303	3
Educational Cultural Diversity	EDUC 3225	2	Psyc/Teach Adolest. Learner		MLED 3302	3
Method of Teaching Reading	RDNG 4315	3	MM Lang. Arts/Social Studies		MLED 4301	3
World Regional Geography	GEOG 2360	3	Arkansas History		HIST 3300	3
American Government	PSCI 2312	3				
		<u>17</u>				<u>15</u>

**SENIOR YEAR**

Assess. Mid./Sec. Learners	EDUC 3366	3	Student Teaching/Clinical	EDUC 4600	6
			Student Teaching/Practicum	MLED 4617	6
College Grammar <b>or</b>	ENGL 2361	3			
Advance Composition	ENGL 3310				
Earth Science	CHEM 2300	3			
<b>Pre-Calculus</b>	<b>MATH 1550</b>	<b>5</b>			
		<u>14</u>			<u>12</u>

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE  
EARLY CHILDHOOD EDUCATION (P-4)  
122 Hours**

FALL SEMESTER			SPRING SEMESTER
<b>FRESHMAN YEAR</b>			
Personal & Social Development	BAS	1211 2	English Composition II ENGL 1321 3
Career & Life Planning	BAS	1120 1	CHEM 1411 OR PHY 1445 4
English Composition I	ENGL	1311 3	Intro. to Literature ENGL 2300 3
Biological Science	BIOL	1450 4	General Psychology PSYC 2300 3
College Algebra	MATH	1330 3	<b>PE Activity: HLPE 1110-1125</b> HLPE 1
Found. & Dev. of ECE	ECE	1201 2	American Government PSCI 3
		15	17
<b>SOPHOMORE YEAR</b>			
Instructional Media	EDUC	2309 3	Oral Communication MCOM 2390 3
Art Appreciation/History	ART	2340 3	Primary/Lead Games RECR 3231 2
Modern Elem. Math I	MATH	4340 3	HIST 2315 OR HIST 2318 HIST 3
Personal Health & Safety	HLPE	1310 3	Arkansas History HIST 3300 3
Music Appreciation/History	MUSI	2330 3	GEOG 2301 or GEOG 2360 GEOG 3
Intro Learn/Special Needs	SPED	2210 2	
		17	14
<b>JUNIOR YEAR</b>			
Public School Music	MUSI	2350 3	Teach Math & Sci. to Young ECE 4306 3
Speech/Language Acquisition	SPED	2320 3	Dev/Appropriate Practices ECE 3328 3
Child Dev. And Learning	ECE	3301 3	Psych Appl/Teach Young Learners ECE 3355 3
Teach Soc. Studies	ECE	4307 3	Literature for. Young Children ECE 4355 3
Emergent Literacy	RDNG	2314 3	Diversity & Young Learners ECE 3233 2
			Children's Art ART 2360 3
		15	17
<b>SENIOR YEAR</b>			
Guiding Young Children's Behavior	ECE	3303 3	Student Teach/Clinical EDUC 4600 6
Dev/Assess/Techniques	ECE	4304 3	Student Teaching/Practicum ECE 4607 6
Building Family/Comm Relations	ECE	4305 3	
Teaching Reading To Young Children	RDNG	4310 3	
Advanced Composition OR College Grammar	ENGL	3310 3	
		15	12

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE  
REHABILITATION SERVICES  
120 Hours**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
Personal & Soc. Dev.	BAS	1210	2	English Composition II	ENGL	1321	3
College Algebra	MATH	1330		Physical Science	PHYS	1411	4
			3				
English Composition I	ENGL	1311	3	Career & Life Planning	BAS	1120	1
Biological Science	BIOL	1450	4	<b>Music History OR ART Appreciation</b>	<b>MUSI ART</b>	<b>2330 2340</b>	3
Personal Health & Safety	HLPE	1310	3	Intro. to Sociology <b>OR</b>	SOCI	2310	3
Phy. Ed. 1110-21	HLPE		1	<b>Intro to Social Science</b>	SOCI	1320	
			16				14
<b>SOPHOMORE YEAR</b>							
Intro. To Rehab. Couns.	RHAB	2310	3	<b>HIST 2315 OR HIST 2318 OR</b>	<b>PSCI Am GOV</b>	<b>2312</b>	3
Oral Communication	MCOM	2390	3	Case Management	RHAB	3320	3
Humanities	HUMN	2301	3	Psy. & Psychosocial Aspect	RHAB	3300	3
General Psychology	PSYC	4340	3	Elective			3
English Elective (Literature)	ENGL		3	Minor			3
				Minor			3
			15				18
<b>JUNIOR YEAR</b>							
Med. Aspects of Disabilities	RHAB	3310	3	Career Dev. & Employment	RHAB	3340	3
Legal/Ethical Issues	RHAB	4330	3	Assistive Technology	RHAB	3320	3
Minor			3	Drug Abuse <b>or</b>	SWRK	3324	
Minor			3	Drug Education	HLPE	4317	3
Principles of Mgt.	RHAB	3300	3	<b>Elective</b>			3
				Minor			3
			15				15
<b>SENIOR YEAR</b>							
Seminar in Rehab.	RHAB	4320	3	<b>Rehab Practicum</b>	RHAB	<b>4350</b>	1
Assessment in Rehab	RHAB	4300	3				
Community Advocacy	RHAB	4330	3				
Minor			3				
Minor			3				
			15				12

**CURRICULUM FOR BACHELOR OF SCIENCE DEGREE  
HUMAN SCIENCE EDUCATION**

(Teaching) 120 Hours

FALL SEMESTER	FRESHMAN YEAR				SPRING SEMESTER
Personal & Soc. Dev.	BAS	1210	2	English Composition II	ENGL 1321 3
				Physical Science	CHEM 1411 4
English Composition I	ENGL	1310	3	Career & Life Planning	BAS 1120 1
Biological Science	BIOL	1450	4		
College Algebra	MATH	1330	3	Humanities	HUMN 2301 3
<b>Foundation of American Ed.</b>	<b>EDUC</b>	<b>1200</b>	<b>2</b>	<b>OR Effective Thinking/Logic</b>	HUMN 2340
Orientation to Human Sciences	HUSC	1102	1	Physical Education	HLPE 1110- 1
				21	
				Cultural/Social Aspects/Foods	HUSC 1231 2
			<u>15</u>		<u>15</u>
<b>SOPHOMORE YEAR</b>					
Oral Communication	<b>MCOM</b>	<b>2390</b>	3	ART 2340 or MUSI 2330	3
General Psychology	PSYC	2300	3	English 2300 or 3301 or 3310	ENGL 3
U.S. History 2315 or HIST 2318	HIST	2318	3	Food Prin./Management	HUSC 1412 4
Elementary Nutrition	HUSC	2321	3	Adolescent Development	H HUSC 1308 3
				HUSC	<b>HUSC</b> 2340 3
American Government	PSCI	2312	3	Textiles/Apparel/Select/Design	HUSC 1308 3
<b>Personal Health &amp; Safety</b>	HLPE	1310	3	Health Education	HLPE 3224 2
			<u>18</u>		<u>18</u>
<b>JUNIOR YEAR</b>					
				Assessing Mid and Sec Learners	EDUC 3366 3
EDUC for CUL Diversity	EDUC	3225	2	Interior/Design/Home	HUSC 2348 3
Middle School Home Economic	VOED	3220	2		
<b>Survey For Exceptional Children</b>	<b>SPED</b>	<b>2200</b>	<b>2</b>		
Basic Textiles	HUSC	1312	3	Instructional Media	EDUC 2309 3
Res/Housing Equipment	HUSC	2345	3		
Prin. of Apparel Design	HUSC	2320	3	<b>Family Financial Planning</b>	<b>HUSC 3366 3</b>
			<u>16</u>		<u>12</u>
<b>SENIOR YEAR</b>					
			3	<b>Senior Seminar</b>	<b>HUSC 4202 2</b>
<b>Methods of Teaching HUSU</b>	<b>VOED</b>	<b>4301</b>	<b>3</b>		
			3	<b>Human Sciences Research</b>	<b>HUSC 4399 3</b>
Psy. Of Learning & Teaching	EDUC	3302	3		
Family Development	HUSC	2300	3	Student Teaching Clinical	EDUC 4600 6
Parenting Education	HUSC	3341	3	Student Teach Ag. Ed. Practicum	EDUC 4607 6
Classroom Beh/ Management	EDUC	<b>3301</b>	<u>3</u>		
			<u>15</u>		<u>17</u>

## Department of Health, Physical Education and Recreation

### Todd Garner, Interim Chair

#### Associate Professor

Todd W. Garner

#### Assistant Professor

William Torrence

#### Instructors

William Beene

David Holts

LaTraia Jones

Alma Murphy

Chadwick Sanders

Lucretia Williams

#### Instructional Assistants

Clair Heumann

Jeremy Tucker

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 level for employment as physical educators, health educators, coaches and recreation providers in public, private, volunteer, governmental agencies, and health care organizations.

In meeting the mission the department offers the following degrees and certifications: (1) Bachelor of Science Degree in Health and Physical Education, Teacher Education P-12 Option, P-8, 7-12 Licensures (Coaching Endorsement Included); (2) Bachelor of Science Degree in Health and Physical Education, Recreation and Wellness Option (Non-Teaching); (3) Coaches' Endorsement.

#### 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 provide effective personnel services in advising, licensure placement, and follow-up for undergraduates, graduates, and in-service educators.
3. To prepare students for graduate studies and

further training in the fields of health education, physical education, recreation and related areas.

4. To provide programs and services which enable students to acquire the additional preparation needed for challenging careers and for continuous growth in the areas related to health, physical education, recreation and sports management.

### **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 1125 COED BOWLING (1)**

Designed to teach the fundamental skills of bowling with emphasis on rules, scoring, footwork, and ball selections.

### **HLPE 1310 PERSONAL HEALTH AND SAFETY (3)**

Study of wellness, 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 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.

### **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)**

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 3227 LIFEGUARD TRAINING (2)**

Prerequisite: HLPE 3220 First Aid/CPR or Current First Aid/CPR card. This course is designed to provide individuals with the basic knowledge and skills to recognize an aquatic emergency and take the appropriate action. Participants will also receive knowledge on pool sanitation, record keeping, training of staff, water rescues and special concerns. The American Red Cross Lifeguarding Certification Program attempts to provide lifeguard candidates and lifeguards with the skills and knowledge necessary to keep the patrons of aquatic facilities safe in and around water.

### **HLPE 3228 INDIVIDUAL AND DUAL SPORTS (2)**

Development of the basic skills, techniques, strategies, and knowledge involved in the teaching of 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 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 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, 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 MIDDLE/HIGH SCHOOL 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)**

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)**

A study of the effects of exercise on the human body with emphasis on the respiratory and muscular systems.

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).

### **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. (Practicum hours are required).

#### **RECR 2300 THERAPUTIC 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

#### **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 SERVICES (3) LEISURE**

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. (Practicum hours are required).

**RECR 4380 RECREATION FIELDWORK (3)**

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.

**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.

**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.

**CURRICULUM FOR BACHELOR OF SCIENCE**  
**Health & Physical Educ.: Teacher Educ. P-12 Option (P-8, 7-12 Teaching**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR (34)</b>							
English Composition I	ENGL	1311	3	English	ENGL	1321	3
College Algebra	MATH	1330	3	Humanities Elective			3
Personal Social	BAS	1210	2	Foundations of	EDUC	1200	2
Career Life Planning	BAS	1120	1	Physical Science	CHEM	1411	4
Biological Science	BIOL	1450	4	Social Science			3
Personal Health and	HLPE	1310	3	Co-ed Swimming	HLPE	1113	1
PE Activity	HLPE	11--	1	Intro to School of	EDUC	1110	1
			17				17
<b>SOPHOMORE YEAR (32)</b>							
Oral Communication	MCOM	2390	3	Physical Fitness, P-	HLPE	3219	2
Anatomy & Physiology I	BIOL	2451	4	Safety Education	HLPE	3225	2
Social Science Elective			3	Humanities Elective			3
Testing Seminar	EDUC	2210	2	Instructional Media	EDUC	2309	3
Literature	ENGL	2300	3	American	PSCI	2312	3
History/Principle	HLPE	2210	2	First Aid/CPR	HLPE	3220	2
			17				15
<b>JUNIOR YEAR (33)</b>							
Human Growth &	EDUC	3301	3	Team Sports	HLPE	3229	2
Individual Sport	HLPE	3228	2	Kinesiology	HLPE	4319	3
Motor Learning, P-12	HLPE	3226	2	Adaptive PE, P-12*	HLPE	4312	3
Drug Education, P-12	HLPE	4217	2	Classroom Man	EDUC	3303	3
Coaching Theory	HLPE	3250	2	Secondary PE, 7-	HLPE	4314	3
Dance/Gymnastics	HLPE	2202	2	Care/Prev/Athl	HLPE	3221	2
Cultural Diversity	EDUC	3235	2				
			17				16
<b>SENIOR YEAR (26)</b>							
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				
Health Education, P-12	HLPE	3224	2				
Psychology Learning	EDUC	3302	3				
			14				12

**CURRICULUM FOR BACHELOR OF SCIENCE**  
**Health & Physical Educ.: Recreation & Wellness Degree Option (Non-Teaching)**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR (34)</b>							
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	1450	4	Leisure Recreation	RECR	1300	3
Personal Health and Safety	HLPE	1310	3	Swimming	HLPE	1112	1
PE Activity	HLPE		1				
			17				17
<b>SOPHOMORE YEAR (34)</b>							
Oral Communication	MCOM	2390	3	General Psychology	PSCY	2300	3
Anatomy & Physiology I	BIOL	2451	4	Outdoor Recreation	RECR	2301	3
American Government	PSCI	2312	3	Humanities Elective			3
Therapeutic Recreation	RECR	2300	3	General Electives			3
Intro to Literature	ENGL	2300	3	First Aid/CPR	HLPE	3220	2
History/Principle HPER	HLPE	2210	2	Primary Games, P-8	RECR	3221	2
			18				16
<b>JUNIOR YEAR (32)</b>							
Health Education	HLPE	3224	2	General Electives			3
Individual Sport	HLPE	3228	2	Design Management	RECR	3329	3
Motor Learning, P-12	HLPE	3226	2	Team Sports	HLPE	3329	2
Program Planning	RECR	3322	3	Kinesiology	HLPE	4319	3
Coaching Theory	HLPE	3328	3	Physical Fitness, P-12	HLPE	3219	2
Dance/Gymnastics	HLPE	2202	2	Sports Officiating	HLPE	3222	2
General Electives			3				
			17				15
<b>SENIOR YEAR (27)</b>							
Organization HPER	HLPE	4311	3	Field Experience	RECR	4600	6
Legal Liability	RECR	4302	3	Research in Recreation	RECR	4301	3
Exercise Physiology	HLPE	4320	3	General Electives			3
Leadership Training	RECR	3321	3				
Drug Education	HLPE	4217	3				
			15				12

## CAROLYN F. BLAKELY HONORS COLLEGE

### Sheena Meadows, Director

The Honors College 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 College are offered by the various academic departments of the University. The honor student's academic program includes honors sections of existing courses and contract course work.

### Admission to the Honors College

Students may submit written applications for admission to the Honors College. In special instances, the Dean may consult with the Honors College 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 College 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 College students. The students retained in the program are expected to give evidence from their participation that they are receiving some benefit consistent with Honors College objectives.

### **Special Features of the Honors College**

- An honors suite - - Honors College students have access to a suite which includes state-of-the art equipment and a private study area.
- Library privileges - - Honors College 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 College students. Honors housing provides special opportunities for honor students, including project collaboration, studying together, and sharing intellectual and social growth.
- Honors College students may be provided special educational enrichment experiences through cooperative programs with other institutions and agencies.
- Honors College students may be provided extracurricular enrichment experiences.
- Selected Honors College students are provided an opportunity to participate in regional and national honors conferences.
- Recognition of the students' participation in the Honors College will be designated on all official records at Commencement, Honors and Awards Convocation and other appropriate occasions.
- Honors College students may competitively earn Honors College blazers.

### **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.
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.
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**  
**Interim 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 Oral Communication (MCOM 2390).
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.
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

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.

### **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 BASC READING I (2)**

Basic Reading 1213 is designed to aid and instruct students whose entering scores on various

## **TRIO Student Support Services**

entrance and placement tests

## **Academic Skills and Developmental Services**

(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.

### **Donna Mooney, Director**

#### **Mathematics Specialist**

Julia Hadley

#### **Reading Specialist**

Emma Allen

#### **English Specialist**

Krandon Henry

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 Degree Program**

**Cheryl Hutchins,  
Coordinator  
Instructor-Counselor**

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 at 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 Academic Affairs.

### 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
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### 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

Bonita Corbin, Assistant Director

Minnie Hatchett, Coordinator  
North Little Rock Site

Sheila Bryan

Administrative Support Supervisor

The University of Arkansas at Pine Bluff subscribes to the philosophy that learning is a lifelong process and that the quality of one's life can be enhanced through continuous education. Through the Division of Graduate Studies and Continuing Education, UAPB provides access to its rich academic resources and creates a learning community on its campus and at a distance. The Division provides community access to accredited undergraduate and graduate degree completion programs and to a broad array of non-credit community education classes for professional or personal enrichment. Services are for preschoolers, non-degree seeking students, professionals, businessmen, distance learners, or senior citizens. The Division provides flexibility in meeting the needs of the State of Arkansas and the nation.

### 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 2010-2012 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 your 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**

**Lieutenant Colonel Jeffrey L. Foster, Director**

### **Instructors**

Master Sergeant Kevin Hughes  
Ms. Jalina Williams, Contractor

### **The Program**

Since its inception in 1968, the University of Arkansas - 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. In addition to the on-campus training, students may be eligible to attend two separate internships with all expenses paid, where they are introduced to more adventurous, confidence building activities. Successful completion of the ROTC program will earn students 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) Leaders Training Course (LTC)**

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 has 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. ADVANCE 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 Leaders Development and Assessment Course (LDAC)**

Upon completion of both courses, the cadet will attend a highly competitive summer Advanced Camp at Fort Lewis, Washington, 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

financial planning. Prerequisite:  
MLSC 4150

### **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

### **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 Advance Course immediately.

**CURRICULUM FOR MILITARY SCIENCE  
FOUR-YEAR OPTION**

<b>FALL SEMESTER</b>				<b>SPRING SEMESTER</b>			
<b>FRESHMAN YEAR</b>							
Learning to Lead I	MLSC	1210	2	Learning to Lead II	MLSC	1220	2
			2				2
<b>SOPHOMORE YEAR</b>							
Applied Lead/Mgmt I	MLSC	2310	3	Applied Lead/Mgmt II	MLSC	2320	3
			3				3
<b>JUNIOR YEAR</b>							
Advanced Lead/Mgmt I	MLSC	3410	4	Advanced Lead/Mgmt II	MLSC	3420	4
			4				4
<b>SENIOR YEAR</b>							
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		
<b>FRESHMAN YEAR</b>					
Leaders Training Course	MLSC 2330	6	Leaders Training Course	MLSC 2330	6
		6			6
<b>SOPHOMORE YEAR</b>					
		0			0
<b>JUNIOR YEAR</b>					
Advanced Lead/Mgmt I	MLSC 3410	4	Advanced Lead/Mgmt II	MLSC 3420	4
		4			4
<b>SENIOR YEAR</b>					
Seminar Lead/Mgmt I	MLSC 4410	4	Seminar Lead/Mgmt II	MLSC 4420	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 occurs 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.
- 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.

# Register

## THE UNIVERSITY OF ARKANSAS BOARD OF TRUSTEES

Jane Rogers, **Chairman**

Civic Worker

\*5409 Hawthorne Road

Little Rock, Arkansas 72207

Telephone: 501-664-5261

**Term Expires: 2016**

Jim Von Grep, **Vice Chairman**

Business Executive

Managing Member, von Grep LLC

\*593 Horsebarn Road, Suite 200

Rogers, AR 72758

Telephone: 479-845-4700

Fax: 479-845-4705

**Term Expires: 2015**

Mark Waldrip, Owner & President, Secretary

East Arkansas Seeds, Inc.

\*6378 Hwy 78 West

Moro, AR 72368

Telephone: 870-768-4332

Fax: 870-768-4551

**Term Expires: 2020**

Ben Hyneman, **Vice Secretary**

President, Southern Pioneer Property &

Casualty Insurance Company

2816 Longview Drive (72401)

\*P.O. Box 16537

Jonesboro, AR 72403

Telephone: 870-336-3100

Fax: 870-336-6191

**Term Expires: 2018**

Sam Hilburn, Attorney

Senior Partner, Hilburn, Calhoun, Harper,

Pruniski & Calhoun, Ltd. Law Firm

US Bank Building

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