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## **NOTICE OF COMPLIANCE**

The University of Central Arkansas, in making decisions regarding employment, student admission, and other functions and operations, adheres to a policy of nondiscrimination and complies with Federal regulations and requirements as set forth in Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973.

Persons having questions or seeking information regarding the university's compliance with and implementation of the regulations and requirements should contact:

General Counsel

Administration Building

University of Central Arkansas

201 Donaghey Avenue

Conway, Arkansas 72035-0001

## **ACADEMIC CLEMENCY**

Act 1000 of 1991 (78th General Assembly, State of Arkansas) encourages institutions of higher education to adopt programs of academic clemency. As outlined by Act 1000, a student, after a separation of several years, may petition the university to have previously earned grades and credits excluded from the calculation of the student's cumulative grade point average. The policy of academic clemency applies to all students meeting the conditions below.

### **Purpose**

This policy is intended to provide a second chance to the student who, having left college after an unsuccessful experience, grows to appreciate education and, having been out of college for an extended period, seeks admission or readmission.

### **Eligibility**

- An individual will not have been enrolled in any institution of college or university rank for a period of at least five years (60 months) immediately preceding enrollment or re-enrollment at the University of Central Arkansas.
- An individual will be an undergraduate student seeking the initial undergraduate degree (associate or baccalaureate) from the University of Central Arkansas in order to be eligible for academic clemency consideration.

### **Process**

- Application for academic clemency should be made at the time of conditional admission or readmission to the university. A conditionally admitted student who fails to meet the requirements for the granting of academic clemency will not be eligible to continue at the university.
- Application for academic clemency will be made through the Office of the University Registrar. The application will be reviewed and the appropriate decision rendered by the University Registrar.
- In order for academic clemency to be granted, a minimum 2.0 grade point average and a minimum of 12 semester credit hours must be earned within one calendar year from the date of enrollment or re-enrollment.

### **Terms and Conditions**

- Under academic clemency an individual forfeits all grades and credits (including transfer) earned prior to the minimum period of non-enrollment, and such grades and credits will not be considered in any academic deliberations from that point forward at the University of Central Arkansas.
- Courses on which academic clemency is granted will be recorded on the permanent academic record but will not be

used in the computation of the cumulative grade point average. The notation academic clemency granted (date) will be placed on the permanent academic record to identify those courses excluded from computation in the cumulative grade point average.

- In regard to financial aid history, state and federal regulations take precedence over the institutional policy of academic clemency.
- In regard to athletic eligibility, all semesters/terms of attendance, including any of granted academic clemency, will be considered in the determination of athletic eligibility certification.
- A declaration and granting of academic clemency may be exercised only once in an individual's academic career, and such declaration and granting is final and irreversible.
- Policies related to academic clemency pertain to the University of Central Arkansas only and might not be honored by other institutions for admission to undergraduate programs, admission to graduate programs, or admission to professional programs.

# **ACADEMIC PROGRAM AND ORGANIZATION**

## **College of Business Administration**

Accounting - BBA Administrative Services - AA

Business Administration - BBA, MBA Economics - BS, BBA

Finance - BBA Information Systems - AS, BBA

International Trade - BA, BBA Management - BBA

Marketing - BBA

## **College of Education**

Business & Marketing Leadership -BSE, MSE Educational Leadership, Ed.S

Counseling Psychology - MS Elementary Education - BSE, MSE

Elementary - Early Childhood Education, MSE Elementary School Administration

Elementary Gifted Education - MSE and Supervision - MSE

Elementary School Counseling - MS Psychology - BA, BS

Elementary Special Education - BSE Reading

Library Media and Information School Psychology - MS

Technologies - MS Secondary School Administration - MSE

Professional Education Studies for MSE in: Secondary School Counseling - MS

Biological Science Special Education - BSE, MSE

English Early Childhood Special Education

History Mildly Handicapped

Mathematics Moderately/Profoundly Handicapped

Physical Science Severely Emotionally Disturbed

Spanish

Advanced Guidance Supervision - Ed.S.

Community Service Counseling - MS



## **College of Fine Arts and Communication**

Art - BA, BFA Music - BM, BME, MM

Journalism - BSE Speech and Theatre - BA, BS, BSE

Mass Communication - BA, BS

## **College of Health and Applied Sciences**

## **College of Natural Sciences and Mathematics**

Biology - BS, MS, MSE Chemistry - BS

Computer Sciences - BS General Science - BS

Physical Science - BS, MSE Physics - BS

Math - BA, BS, BSE, MSE

## **Pre-Professional Training**

Pre-Architecture Pre-Dentistry Pre-Dental Hygiene

Pre-Engineering Pre-Law Pre-Medicine

Pre-Optometry Pre-Pharmacy Pre-Veterinary

## **Honors at UCA**

Departmental Honors - available in most majors.

Honors College - specially designed interdisciplinary curriculum for students in all majors who qualify.

## **ACCREDITATION**

The university is accredited by the North Central Association of Colleges and Secondary Schools and the National Council for the Accreditation of Teacher Education as a bachelor's, master's and specialist's degree granting institution. The master's and baccalaureate degrees in business administration are accredited by the American Assembly of Collegiate Schools of Business. The master's and baccalaureate degrees in nursing are accredited by the National League for Nursing. The baccalaureate programs in medical technology, radiography, respiratory therapy, and nuclear medicine technology are accredited in affiliated professional education programs by the Commission on Accreditation of Allied Health Education Programs, of the American Medical Association. The baccalaureate program in occupational therapy is accredited by the American Occupational Therapy Association's Accreditation Council for Occupational Therapy Education. The master's degree program in speech-language pathology is accredited by the American Speech-Language-Hearing Association. Associate, baccalaureate, and master's degree programs in physical therapy are accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association. The graduate dietetic internship program has been granted developmental accreditation status by the Commission on Accreditation for Dietetic Education of the American Dietetic Association. The University of Central



## **ADMISSION TO THE UNIVERSITY**

Inquiries about admission undergraduate level study at the university should be addressed to the Admissions Office. This office receives and processes all applications and issues letters of admission to qualified applicants.

All materials submitted for admission become the property of the university.

## **FIRST TIME FRESHMAN ADMISSION**

A first time freshman is defined as any student who has not previously enrolled in college or university. Falsification of any record, including the Application for Readmission, is cause for immediate dismissal.

## **READMISSION FOR FORMER UCA STUDENTS NOT CURRENTLY ENROLLED**

Readmission for former UCA students who have not been in attendance for one semester is required. An application for readmission form may be obtained from the Office of the Registrar and should be returned to that office with all required information. An official transcript will need to be sent directly to the Office of the Registrar by the appropriate institutional official (e.g., Registrar). Falsification of any record, including the Application for Readmission, is cause for immediate dismissal.

## **UNCONDITIONAL ADMISSION**

An entering freshman applicant will be unconditionally admitted to the University of Central Arkansas if the applicant has graduated from high school and meets the following criteria:

1. Cumulative high school grade point average of 2.75 on a 4.0 grading scale on a minimum of six semesters of high school work; and
2. A score of 19 or above on the reading, mathematics, and English sections of the ACT or equivalent scores on the SAT or ASSET exams.

## **CONDITIONAL ADMISSION**

An entering freshman applicant will be admitted conditionally if the applicant has graduated from high school or has earned a General Education Certificate and meets at least one of the following criteria:

1. Composite ACT score of 19 or above; or
2. High School grade point average of 2.75 or above on a 4.0 grading scale; or
3. Rank in the upper 40th percent of the high school graduating class.

In addition to remediation requirements of the State of Arkansas, conditionally admitted students are subject to the university's assessment and placement policies and remediation guidelines.

An applicant not meeting any of the above criteria will be required to satisfactorily complete all remedial course requirements before beginning the freshman year at UCA.

## **COLLEGE PREPARATION/TECHNICAL PREPARATION CORE**

Act 969 (1993 General Assembly of the State of Arkansas) states that anyone who graduates from an Arkansas high school after May 1, 1997, must complete either the college preparation or technical preparation core curriculum in order to qualify

## **EARLY ADMISSION (Full-Time)**

The capable student who desires to accelerate a formal education may apply for admission to the university at the end of the junior year in high school.

In addition to regular admission criteria, a student seeking early admission will have completed a minimum of six semesters of secondary school work, earned a "B" or better average, have an ACT Composite Score of at least 24, or equivalent scores on the SAT or ASSET exams, and be recommended by the high school principal.

## **EARLY ADMISSION (Part-Time, Concurrent with High School Enrollment)**

Act 57 of the 1983 Extraordinary Session of the Legislature provides that qualified students enrolled in high school may be admitted concurrently as part-time students at the university. The criteria for admission under this program are:

I. Recommendation by the high school principal.

II. Satisfaction of the requirements under either A or B below:

A. Presentation of standardized test scores and high school grades.

1. A score on the portion of the ACT, PSAT, or SAT in the subject matter area of the course(s) at the 80th percentile on national norms. (If the subject matter area is not related to a portion of one of these tests, the composite score at the 80th percentile is to be used.)

and

2. High school grades of either:

a. A grade point average of 3.500 (on a 4-point system) in high school courses in the subject matter. For ninth grade students, courses in the previous two school years shall be included.

b. An overall grade point of 3.500 (on a 4-point system). For ninth grade students, courses in the previous two school years shall be included.

B. Individual evaluation based on other performance criteria.

A student who does not meet the above standards may be recommended by the high school principal for admission to selected courses based upon other performance criteria (e.g., music, art, etc.). Such criteria will be performance based, appropriate for the desired course, and demonstrable to the university. To be admitted under this category, a student will need the recommendation of the appropriate university department and the Dean of Undergraduate Studies.

The university will review the admission and enrollment of each high school student each semester.

The university accepts transfer work from other institutions taken when the student was concurrently enrolled in high school, so long as the student met the criteria at the time the work was taken.



## **ADMISSION OF INTERNATIONAL STUDENTS**

All inquiries about international admission should be addressed to International Programs, University of Central Arkansas, 201 Donaghey Avenue, Conway, Arkansas 72035-0001, U.S.A.

To be eligible for admission as an undergraduate, international applicants must submit the following:

1. Application for Undergraduate Admission.
2. Non-refundable application fee of U.S. \$30.00 drawn from a U.S. bank or an international money order.
3. Academic Records: All applicants must submit original or certified copies of all secondary school, college and university transcripts, with an English translation of each. Transfer students must submit complete course descriptions or syllabi (in English) for evaluation of transfer credit.

### **Freshman Applicants**

Applicants who have completed secondary school and are applying for freshman admission must meet one of the following criteria:

- a. Composite ACT score of 19 or above; or
- b. High school grade point average of 2.5 or above on a 4.0 scale; or
- c. Rank in the top 40% of secondary school graduating class; or
- d. Receive 5 passes with credit on 0-level results.

### **Transfer Applicants**

Applicants who have previously attended a college and/or university and are applying for admission as transfer students must have a cumulative grade point average of 2.0 or above. Students who are transferring from a college or university in the U.S. must submit a "Transfer Notification" form completed by the student and the foreign student adviser at the school from which the student is transferring, to verify immigration status and eligibility to transfer immigration documents. Copies of the student's current I-20, passport and I-94 card should be submitted also.

4. An official Test of English as a Foreign Language (TOEFL) score of 500 or above no more than two years old. A TOEFL score is not required of applicants who will be attending the Intensive English Program. Undergraduate applicants should contact TOEFL, Educational Testing Service, P.O. Box 6151, Princeton, NJ 08541-6151, U.S.A., requesting a Bulletin of Information and registration form.
5. Verification of financial support proving the availability of \$9,000.00 for each academic year (9 months) of study. Tuition and fees must be paid in full at the beginning of each semester. Qualified candidates will receive a Form I-20 and letter of admission to UCA.

## **ADMISSION TO THE INTENSIVE ENGLISH PROGRAM**

All inquiries about admission to the Intensive English Program should be addressed to International Programs, University of Central Arkansas, 201 Donaghey Avenue, Conway, Arkansas 72035-0001, U.S.A. or fax (501)450-5095.

International applicants to the Intensive English Program must submit the following:

1. Application for Admission.
2. Non-refundable application fee of U.S. \$30.00 drawn from a U.S. bank or an international money order.
3. Verification of availability of funds or statement of support from applicant's or sponsor's financial institution.
4. If applicant is also applying to a UCA degree program, original or certified copies of all secondary, college and university academic transcripts, including certified English translations.
5. TOEFL score, if available

Other applicants, including immigrants, permanent residents, citizens, and refugees must submit the following:

1. Application for admission.
2. Non-refundable application fee of U.S. \$30.00 drawn from a U.S. bank or an international money order.
3. If applicant is also applying to a UCA degree program, original or certified copies of all secondary, college and university transcripts, including certified English translations when necessary.
4. TOEFL score, if available.

Qualified candidates will receive a Form I-20 as well as a letter of admission to the Intensive English Program and, if applicable, a letter of conditional admission to the University.

## **ADMISSION OF STUDENTS WHOSE FIRST LANGUAGE IS NOT ENGLISH**





## ADVANCED PLACEMENT PROGRAM

The University of Central Arkansas is a participant in the Advanced Placement Program. A list of participating departments, courses, and the minimum requirements to be met in order to earn credit follows:

### DEPT COURSE CREDIT BASIS

Art Art 1321-Drawing I Score of 4 on Studio: Drawing

Art 1321 and 3 hrs. Score of 5 on Studio: Drawing

studio art elective

Art 1310-Design I, 2-D Score of 4 on Studio: General

Art 1310 and 3 hrs. General

studio art elective Score of 5 on Studio: General

Art 2335 Art History Score of 4 on Art History

Art 2335 and 3 hrs.

Art history elective Score of 5 on Art History

Biology Biology 1431-General Botany, Score of 3

Biology 1430-General Zoology

Chemistry Chemistry 1450-College Chemistry I Score of 3

Chemistry 1450 & 1451-

College Chemistry II Score of 4

Computer Science CSCI 1310- Score of 3 on A

Computer Science I

Computer Science 1310 & 3 hr Score of 3 on AB

computer science elective

Economics Economics 2320-Principles of Score of 3

Economics I Macroeconomics

Economics 2321-Principles of Score of 3

Economics II Microeconomics

English English 1310-Communications I Score of 3

English 1310 & 1320- Score of 4

Communications II

Foreign Languages Spanish 2310-Spanish Score of 3

Conversation & Comp. I Spanish Language

Spanish 2320-Spanish Score of 3

Conversation & Comp. II Spanish Literature

French 2310-French Conversation Score of 3

& Composition I French Language

French 2320 French Conversation Score of 3

& Composition II French Literature

German 2310-Germ. Conversation Score of 3

German Language

History History 1320-World History II Score of 3

European

History 2302-American Nation II Score of 3

American

Mathematics Math 1591-Calculus I Score of 3 on Cal. AB

Math 1591 & 2561-Calculus II Score of 3 on Cal. BC

Music Music 1230-Theory I,

Music 1231-Ear Training I,

Music 1232-Theory II, and

Music 1233-Ear Training II Score of 3 on Music

Music 1340 Intro. to Score of 3

Music Literature Music Listening & Literature

Physics Physics 1410-1420-General Score of 3

Physics I-II Exam B

Political Sci Political Science 1330 Score of 3

U.S. Gov't & Politics

Psychology Psychology 1300 Score of 3

## General Psychology

In any discipline (except history) in which Advanced Placement credit is earned, no CLEP credit will be allowed for any course lower than that course for which Advanced Placement credit has been awarded. Should questions arise, contact the Dean of Undergraduate Studies.

With the approval of the Dean of Undergraduate Studies, entering freshmen with Advanced Placement credit may be

## **ALUMNI ASSOCIATION**

All graduates and former students of the university are members of the Alumni Association. The Board of Directors of the Alumni Association plan the yearly schedule of events to which all former students and their guests are invited. Graduating seniors are inducted into the Alumni Association as a regular part of commencement.

An alumni quarterly publication is mailed to dues-paying members of the association, providing information on activities of the university, the faculty, and alumni. The association strives to establish and continue friendships and contacts, both social and professional, among its members and between alumni and the university.



## **ATTENDANCE**

A student's official program is regarded as his obligation with the institution, full performance of which requires regular and punctual class attendance. Attendance and tardiness are primarily a student-teacher-class relationship. The university has a concern for the proper fulfillment of such obligations by the student. Absences that indicate negligence about class attendance may lead to cancellation of registration and a grade of "WF" in the course. In flagrant cases the student may be suspended from the university. Individual instructors may assign a grade of "WF" for non-attendance to any student, regardless of the number of hours attempted. A student is responsible for completing any missed work. A student is responsible for the dates and places of the required course examinations.





## **CLASSIFICATION OF STUDENTS**

Since all of the undergraduate courses of the university are integral parts of four-year curricula, students are designated as freshmen, sophomores, juniors, and seniors:

Freshman-- A student who has less than 30 semester hours credit.

## **COLLEGE LEVEL EXAMINATION PROGRAM**

The College Level Examination Program (CLEP) allows a student to receive university credit and/or satisfy university requirements. The university permits a student to take either the general examinations or specific subject examinations to earn college credit for a maximum of thirty hours of general education courses. No student may use test scores in lieu of courses in the major or minor, except in instances where general education requirements and major or minor requirements overlap.

CLEP credit may be awarded to those students who score at the 50th percentile or higher, have not already satisfied the general education requirement, and have not enrolled for the course.

When a student has satisfactorily completed the examination and has earned twelve hours in residence at the university, credit will be recorded and designated CLEP on the student's permanent record. No grade will be recorded, and the result of CLEP examinations will not be used in computing a student's grade point average. Thirty semester hours is the maximum examination credit allowed. To earn credit in English, the examination must be taken before enrollment in college. Other examinations must be taken before the end of the semester in which a student is enrolled for the 75th hour. Students should apply directly to the test center where the test is to be taken. A transcript of scores must be sent to the Dean of Undergraduate Studies.

College credit on each of the CLEP examinations is awarded as follows:

CLEP UCA Hours

Examination Courses Credit

English Composition with Essay English 1310 & 1320 (both or 0 -yy,

or U.S. government may be satisfied by passing subject examinations in those areas. It is also possible to earn credit on subject examinations in college algebra, general psychology, and introductory sociology.

Credit is awarded on the basis of DANTES Subject Standardized Tests in the same subjects where CLEP credit is awarded by UCA. Score requirements for DANTES credit are the same as those for corresponding CLEP credit.

For more information, contact the Dean of Undergraduate Studies.



Although teaching is the primary function of the university, neither good teaching nor the general health of the institution can be maintained without a faculty which continually seeks deeper understanding, higher levels of scholarship, and greater professional distinction. Faculty members, therefore, are expected to demonstrate significant achievement in scholarship, research or artistic creation, and/or performance, and other important forms of professional activity appropriate to a given discipline. Although it is impossible to define the nature and limits of professional activity in general, published scholarship and research, grantsmanship, papers given at professional meetings, and creative performance open to evaluation by competent professional judgment serve as examples of such activity.

## **SERVICE**

The university is itself a community and is a part of a larger community. For the university to be a community and serve the larger community, every faculty member must serve as an effective organizational and societal citizen. Service on departmental, college, and university committees and other service to the university calls for faculty contributions beyond teaching and intellectual contributions; these service contributions are expected and are to be considered in the evaluation of faculty. Faculty are expected to serve the community outside the university by contributing their professional skills and expertise. Such service should involve intellectual, academic, or professional qualities or abilities appropriate to the profession.

~~ADVISING CENTER~~ ~~Quality Advisor~~ ~~abilbusd lss studampladvis.14. itscnistalsnity ousTj 0 -1initice o~~



(SBANC) and other programs and staff devoted to teaching, research and service in the area of small business and entrepreneurship. Academic and continuing education courses are provided for students and the regional business community. The SBANC hosts the global network for information on small business, linking over two hundred schools and small business centers around the world. Information on specific small business topics can be filed, searched, stored and accessed through this system.

The SBANC is an international center for research, training, and consulting funded primarily by the United States Congress and administered by the U. S. Small Business Administration. The SBANC houses (1) the Small Business Advancement Network, (2) the Small Business Institute National Data Center, and (3) the Small Business National Training Network. Local small business counseling and training are performed through the Small Business Institute program and the Small Business Center. The main purposes of the SBANC are to provide research, training, and counseling assistance and to gather information on small business, entrepreneurship, international small business, and college programs. The information is made available to small business researchers, government agencies, associations, and others who assist small business around the world.

## **Continuing Education**

As part of its commitment to the community, lifelong learning, and the businesses of Central Arkansas, the CBA supports a variety of continuing education activities, providing both credit and not-for credit instruction, often in conjunction with the Division of Continuing Education. The college also provides facilities, computers, networks, software, off-peak class sections and other training opportunities for the traditional, non-traditional, and employed student.

## **Business and Industry Research Center**

The Business and Industry Research Center is the focal point for research assistance, including computing and information technology services provided by the college. Services include research and survey design and administration; computer hardware and software consultation; scanning, printing and graphics services.

## **ACADEMIC STRUCTURE**

The College of Business Administration consists of the following areas of teaching expertise:

Accounting Economics

Finance International Trade

Information Systems Management

Marketing

## **CURRICULA**

The following degrees are offered in the College of Business Administration:

### **Associate of Science in Business Information Systems**

### **Bachelor of Business Administration**

Majors: Accounting Business Administration

Economics Finance

International Trade Information Systems

Management Marketing

Minors: Accounting Business

Economics Information Systems

Management Marketing

### **Master of Business Administration**

## **REQUIREMENTS FOR THE BACHELOR OF BUSINESS ADMINISTRATION**

The Bachelor of Business Administration (BBA) degree emphasizes professional development based on a general education background of liberal arts and business courses. Degree requirements are divided into five groups: general education, business foundation, business core, business major, and electives.

**General education.** Complete forty-five (45) hours of general education courses. These courses help the student understand the context of business. [See the university General Education requirements.] Within the social science courses, business students are recommended to complete a course in psychology or anthropology. Courses in English, history, humanities, culture and language, government, the sciences, mathematics, and health prepare students with basic speaking, reading, writing, and analytical skills as well as the time management and self-discipline skills needed for advanced study. [NOTE: Business students are required to complete Modern Political Economy (ECON 1310) as part of their business foundation, which also satisfies one course of the General Education requirements.]

**Business foundation.** Complete thirty (30) hours of freshman and sophomore courses in economics, accounting, statistics, and personal computing to prepare the student to better understand the core functional areas of business and to develop basic computer skills. MATH 1393, INFO 1341, 1342 and 2301, ECON 1310, 2320, 2321, 2330, ACCT 2310, 2311.

Students should have completed the **business foundation area** prior to enrolling in business core courses. Concurrent enrollment in no more than six (6) hours of foundation area courses will be allowed in the semester in which the student qualifies for upper division business core courses.

**Business core.** Complete twenty-seven (27) hours of upper-division courses to provide the student with functional business skills. ACCT 3311 or 3314, ACCT 3321, ECON 3320, FINA 3330, INFO 3321 or ACCT 4320, MGMT 3340, 4347, MGMT 3344 or ACCT 4315, MKTG 3350.

**Business major.** Complete five (5) business courses (or 15 credits) designated by the major teaching area. All BBA students are reminded that:

- a. graduation requirements include a minimum of forty (40) hours of upper-division courses,
- b. a minimum of fifty percent (50%) of the degree requirements must be in course work outside the College of Business Administration.

## **Bachelor of Business Administration**

## **Major in Business Administration**

The degree of Bachelor of Business Administration with a major in General Business Administration requires successful completion of 127 hours, including 1) the General Education component (p. ), 2) the BBA foundation and core requirements (p. ), and 3) at least five (5) business courses in, at least, two (2) different teaching areas.

## **OTHER ACADEMIC POLICIES AND REQUIREMENTS**

In addition to the courses required to earn the BBA degree, the university and college have established policies on the following: assessment tests, career planning, and grade requirements.

**Minors and second majors.** No minor is required to earn the BBA. By completing fifteen (15) additional hours of upper division business electives in a single business major beyond the minimum 127-hour requirements and prior to earning the first degree, students can complete a second business major.

**Assessment tests.** The university and college reserve the right to require, administer, and apply the results of appropriate assessment tests for the purpose of ensuring the student's basic qualifications to proceed with the desired program of study and/or to earn a degree. Such tests may include, but are not limited to, assessments of: (1) personal computing skills, (2) economics knowledge, (3) general education achievement (rising junior exam), and (4) major field achievement. Failure to earn passing grades in any of these assessment tests may require the student to complete additional course work and pass additional tests as a requirement to graduate.

Students scoring below the 25th percentile on the MFAT will not graduate and will be required to retake the MFAT at their expense.

**Proficiency Credit and Advanced Placement.** A maximum of six semester hours of proficiency and advanced placement credit in Basic Information Processing (WordPerfect or equivalent word processing software) and Basic Data Processing (Lotus 1-2-3 or equivalent spreadsheet software) may be granted to apply toward the BBA degree. Arrangements for earning this credit are made with the department chair and instructors of these courses and will be permitted when the student furnishes a transcript or other evidence which indicates eligibility for advanced standing. Credit by examination is not permitted for any other courses.

**Career planning.** Each student must successfully complete one (1) one-credit course in career planning and development. Students should enroll at the first opportunity, in either the freshman year (MGMT 1110) or the junior year (MGMT 3110).

**Grades.** Candidates for the BBA degree must satisfy the followingmet1h

**Business foundation.** Complete thirty (30) hours of freshman and sophomore courses in economics, accounting, statistics, and personal computing to prepare the student to better understand the core functional areas of business and to develop basic computer skills. MATH 1393, INFO 1341, 1342, 2301; ECON 1310, 2320, 2321, 2330; ACCT 2310, 2311.

**Business electives.** Complete four (4) courses or twelve (12) hours of upper-division business electives.

**Grades.** Candidates for the associate degree must satisfy the following grade point average requirements: (1) A 2.0 grade point average overall; (2) a 2.0 grade point average in all business courses used in the foundation area, and (3) a 2.0 grade point average in the business elective courses.

## **MASTER OF BUSINESS ADMINISTRATION**

The College of Business Administration offers a program of study leading to the Master of Business Administration (MBA) degree which is designed to serve the needs of qualified students preparing for careers in accounting, business, government and doctoral study in business administration. Although a BBA degree is not an admission requirement for graduate business study, the UCA MBA is especially designed for students who have earned a BBA. A major is not designated under the MBA program.

# **ACCOUNTING**

**Chair:** Dr. Tom Oxner

## **OBJECTIVES**

The objective of the curriculum is to ground students with a theoretical foundation such that they will be prepared to become life-long learners who can evolve professionally with the inevitable future changes

## **Minor in Accounting**

The minor in accounting requires eighteen (18) hours of accounting including ACCT 2310, 2311, 3311, 3312, 3316, and 3314 or 3315.

## **CPA EXAM PREPARATION**

To qualify to sit for the Uniform Certified Public Accountant Examination, the six hours of elective upper-level business courses must be in accounting and should include ACCT 4304. Also, one elective must be Speech 1310. Beginning with the May 1998 CPA exam, candidates must have completed 150 hours of course work. See the Department Chair for specific requirements.

## **COURSES IN ACCOUNTING**

**2310 PRINCIPLES OF ACCOUNTING I** Fundamental principles of financial accounting and their application. Prerequisite: Sophomore classification. Fall, spring, summer.

**2311 PRINCIPLES OF ACCOUNTING II** Continuation of the study of principles of financial accounting and introduction to the concepts of managerial accounting and their application. Prerequisite: ACCT 2310. INFO 1342 or demonstrated proficiency with electronic spreadsheets. Fall, spring, summer.



**3311 INTERMEDIATE ACCOUNTING I** Valuation, classification, and presentation in financial statements of business enterprises with emphasis on determination and valuation of assets and current liabilities. Prerequisite: ACCT 2311, with grade "C" or better. Fall, spring.

**3312 INTERMEDIATE ACCOUNTING II** Continuation of financial reporting concepts with emphasis on the Statement of Cash Flows and the valuation of long-term liabilities and stockholders' equity on the Balance Sheet. Also valuation, classification, and presentation of pensions, leases, and income taxes. Prerequisite: ACCT 3311 with a grade of "C" or better. Spring, fall, summer.

**3314 MANAGERIAL ACCOUNTING** A study of the types of information managers need to plan and control business operations, where to obtain this information, and how to use the information in decision making. Degree credit is not given for both ACCT 3314 and ACCT 3315. Prerequisite: Completion of business foundation or consent of department chair. Fall, spring, summer.

**3315 COST ACCOUNTING** A study of the concepts, analysis, and procedures to provide relevant financial and non-financial data to management for purposes of planning, controlling, and evaluating operations. Prerequisite: ACCT 2311. Fall, summer.

**3316 INTRODUCTION TO TAXATION** Fundamentals of taxation with major emphasis on those provisions having application to individual taxpayers. Prerequisite: Six semester hours of accounting. Fall, spring, summer.

**3321 LEGAL ENVIRONMENT OF BUSINESS I** A study of the constitution and business; the court system and other means of dispute resolution; anti-trust; business and labor; consumer rights; enforceable contracts; business and its environment including social responsibility, ethics and protecting the physical environment. Prerequisite: Completion of business foundation or consent of department chair. Fall, spring, summer.

**3322 LEGAL ENVIRONMENT OF BUSINESS II** A study of agency; commercial paper, the forms of business organizations; real and personal property and bailments; the liability of accountants and other professionals; and bankruptcy as applied to the different forms of business organizations. This course will not be included when calculating the major GPA. Fall, spring.

**4304 ACCOUNTING FOR GOVERNMENTAL AND NONPROFIT ORGANIZATIONS** Accounting and financial reporting practices of state and local governments and other not-for-profit entities. Fall, spring.

**4312 ADVANCED ACCOUNTING** Concepts and problems encountered in business combinations, consolidations, international accounting, segment reporting and partnerships. Prerequisite: ACCT 3312. Fall.

**4313 CONTEMPORARY ACCOUNTING ISSUES** Analysis of current accounting theory and practice. Prerequisite or Co-requisite: ACCT 3312. Spring.

**4315 ADVANCED COST ACCOUNTING** Use of information in solving quantitative and behavioral problems associated with the management of an entity. Prerequisite: ACCT 3315 with a grade of "C" or better. Fall.

**4316 ADVANCED INCOME TAX** Advanced tax issues entities C/asis on partnerships, corporations, estates, and gifts. Prerequisite: ACCT 3316 with a grade of "C" or better. Spring, summer.

**4317 AUDITING** Introduction to auditing theory, professional ethics, internal control, and audit procedures. Prerequisite: ACCT 3312. Fall, summer.

**4319 CPA/CMA PROBLEMS** Analysis and study of representative questions and problems given by the American Institute of Certified Public Accountants and the Institute of Management Accounting in their examinations. On demand.

**4320 ACCOUNTING INFORMATION SYSTEMS** Analysis and design of systems to process and report accounting information. Special problems in the design, development and implementation of computerized accounting systems. Prerequisite: ACCT 3312 with a grade of "C" or better. Fall, spring.

**4390 SPECIAL PROBLEMS IN ACCOUNTING** Prerequisite: Consent of department chair.



her parents, has made it possible to have unique experiences in economic education. The creation of the Carmichael Professorship in Economics and Banking, held by a distinguished banking educator, is one further expression of the excellence to which the Carmichael endowment is dedicated.

Dr. Carmichael (Ph.D., Radcliffe) served as chair of the Economics Department at the University of Central Arkansas from 1931 until her retirement in 1952. Dr. Carmichael's endowment is an extension of her life's work in providing Arkansas students with an understanding of the important economic forces affecting their lives as well as the ability to formulate creative and productive approaches to the economic facets of life.

## **BACCALAUREATE DEGREES**

ECON 4370 and twelve (12) hours from the following: ECON 4320, 4335, 4375, FINA 4333, or MGMT 4342.

### **Minor in Economics (for B.A. and B.S. degrees)- 18 Hours**

ECON 1310, 2320, 2321 and nine (9) hours from upper division economics courses.

### **Bachelor of Science**

The degree of Bachelor of Science, with a major in Economics, requires successful completion of 124 hours, including 1) the General Education component (p.), 2) the B.S. Degree requirements (p.), and 3) the major as listed below, and 4) a minor approved by the student's minor advisor.

### **Major in Economics - 38 Hours**

ECON 1310, 2320, 2321, 4333, 4370, twelve (12) hours of upper division economics electives, (may include FINA 4332, or 4333, or 3340 in total), and MATH 2311, 3311 and 1591. BS Economics majors may not minor in the College of Business and no more than three (3) hours of electives may be in the College of Business.

### **Bachelor of Arts**

The degree of Bachelor of Arts with a major in International Trade, requires successful completion of 124 hours, including 1) the General Education Component, (p. ), 2) the B.A. Degree requirements, (p.), 3) the major as listed below, and a minor approved by the student's minor advisor.

### **Major in International Trade - 45 Hours**

Twelve (12) hour global foundation consisting of HIST 1310, SOC 1302, ECON 3320 and PSCI 4310.

Nine (9) hours global core consisting of either (a) Developing Nations Track: GEOG 2362, PSCI 3382 and ECON 4375 or (b) Developed Nations Track: GEOG 2361, PSCI 3340 and ECON 4320. Fifteen (15) hours of ECON consisting of ECON 1310, 2320, 2321, 4335 and 4370. Nine (9) hours of upper division courses to complete the major (must be approved by the advisor). The courses can be in geography, history, political science or sociology. BA International Trade majors may not minor in the College of Business and no more than (9) nine hours of electives may be in the College of Business.

**COURSES IN ECONOMICS**

**1310 MODERN POLITICAL ECONOMY** Human social order from the economic perspective. Roles and institutions developed in the Western world to deal with problems of scarcity, alternatives, and choice. Major tools of economic analysis and application to diverse social and political problems, both contemporary and historic. Fall, spring, summer.

**2320 PRINCIPLES OF MICROECONOMICS** Study of individual and firm behavior. Supply and demand, market equilibrium, consumer and producer surplus, profit maximization, market structures, externalities, public goods, and welfare economics. Fall, spring, summer.

North America, Japan, and the European Community. Prerequisites: ECON 2320 and 2321. Fall.

**4333 INTERMEDIATE MICROECONOMICS** Microeconomic analysis of determinants of value, production, and distribution. Goals of business enterprise; market structure and business behavior. Prerequisites: ECON 2320 and 2321. Fall.

**4335 INTERNATIONAL TRADE** Motivation for trade. Gains from trade. Emergence and impact of free trade zones. Foreign exchange systems and balance of payments. Prerequisites: ECON 2320 AND 2321. Fall.

**4340 MANAGERIAL ECONOMICS** An examination of alternative pricing strategies and organizational structures of firms and industries. Microeconomic theory applied to business problems. Prerequisites: ECON 2320 and 2321. Fall.

**4360 HEALTH CARE ECONOMICS** Survey and analysis of economic and financial aspects of U.S. health care system. Market and institutional characteristics of health care delivery, cost issues, and reform proposals. International comparisons and state innovations. Tools of financial analysis for health care.

**4370 INTERMEDIATE MACROECONOMICS** Determinants of aggregate levels of production, employment, and prices. Public policy implications of recent developments. Business and the macroeconomy. Prerequisites: ECON 2320 and 2321. Spring.

**4375 ECONOMICS OF DEVELOPING NATIONS** Important approaches to economic development and analysis of the factors that influence economic growth and development. Emergence of new economic powers in Asia, Latin America, and Europe. Prerequisites: ECON 2320 and 2321. Spring.

**4380 SEMINAR IN ECONOMICS** Study in depth of a significant issue or field of study in economics. Content and prerequisites will vary. Prerequisite: Consent of department chair. On demand.

**4195, 4295, 4395**

**SPECIAL PROBLEMS IN ECONOMICS** Investigation of a selected economic problem consisting of readings and research decided upon by the economics professor and the student. Required for graduation with departmental honors. Prerequisite: Consent of department chair. On demand.

## **COURSES IN FINANCE**

**2330 PERSONAL FINANCE** Practical applications of personal financial planning, budgeting, and control. Special attention to the use of credit, insurance, savings, retirement planning, and housing finance. On demand.

**3323 REAL ESTATE** Basic principles, laws, and practices related to appraisal, ownership, control, financing, and transfer of residential and other real property. Fall.

**3324 INSURANCE** Introduction to the basic principles of insurance. Review of the risks that



households and businesses experience and the policies used to insure against these risks. Spring.

**3330 MANAGING FINANCE AND CAPITAL** Basic problems and principles in financial management, with special attention to financial planning, asset management, sources of financing and valuation of the enterprise. Prerequisites: Completion of business foundation courses or consent of department chair. Fall, spring, summer.

**3340 MONEY, BANKING, AND FINANCIAL MARKETS** Characteristics of money and survey of monetary theory. Description of banking institutions, financial intermediaries and financial markets. Influence of government regulation on the operation of financial institutions. Prerequisites: Econ 2320 and 2321. Fall, spring.

**4331 BANK MANAGEMENT**

**Basic problems and principles of bank management**

# **MARKETING AND MANAGEMENT**

**Chair:** Dr. Bill Bounds, 450-3149

## **OBJECTIVES**

The Department of Marketing and Management offers major programs of study designed to prepare students for careers in three key areas of business: marketing, management, and information systems.

## **BACCALAUREATE DEGREES**

### **Bachelor of Business Administration**

#### **Marketing**

The degree of Bachelor of Business Administration with a major in Marketing requires successful completion of 127 hours, including 1) the General Education component (p.), 2) the BBA foundation and core requirements (p.), 3) the major requirements listed below, and 4) electives.

#### **Major in Marketing - 15 Hours**

MKTG 4353, 4354, 4355, and six (6) hours from upper-division marketing courses.

#### **Minor in Marketing - 18 Hours**

ECON 1310, 2321, MKTG 3350, and nine (9) hours from upper-division marketing courses.

### **Bachelor of Business Administration**

#### **Management**

The degree of Bachelor of Business Administration with a major in Management requires successful completion of 127 hours including 1) the General Education component (p.), 2) the BBA foundation and core requirements (p.), 3) the major requirements listed below, 4) electives (p. ).

### **Major in Management - 15 Hours**

MGMT 4348 and twelve (12) hours from upper-division management courses.

### **Minor in Management - 18 Hours**

ECON 1310, 2321, MGMT 3340, and nine (9) hours from upper-division management courses.

## **Information Systems**

The degree of Bachelor of Business Administration with a major in Information Systems requires successful completion of 127 hours, including 1) the General Education component (p.), 2) the BBA foundation and core requirements (p.), 3) the major requirements listed below, 4) electives (p.).

### **Major in Information Systems - 15 Hours**

INFO 3328, 4329, and nine (9) hours of information systems courses approved by the student's advisor.

### **Minor in Information Systems - 18 Hours**

INFO 1341, 1342, 3321, and nine (9) hours of information systems courses approved by the student's advisor.

The specific combination of courses taken within these majors and minors and as electives will be determined through consultations between the student and the academic advisor and will reflect career interests.

## **COURSES IN INFORMATION SYSTEMS**

**1340 KEYBOARDING FOR DATA ENTRY** Emphasizes an understanding of procedures for information processing, basic keyboarding and ten-key number pad skills. Not open to students with one year or more of typewriting. Fall.

**1341 INFORMATION PROCESSING** Provides students with proficiency in the use of information processing software and knowledge of integrated software and electronic mail. Prerequisite: Knowledge of the keyboard. Fall, spring.

**1342 DATA PROCESSING AND ANALYSIS** Course focuses on developing competency using personal computers and spreadsheet software to manipulate data used in the decision making process. Prerequisite: INFO 1341 (MATH 1393 Basic Mathematics for Business may be taken as a corequisite). Fall, spring.

**2301 BUSINESS COMMUNICATIONS** Effective use and presentation of oral, written, and electronic information in a business setting. Prerequisite: INFO 1341 and INFO 1342. Fall, spring.

**2310 DESKTOP PUBLISHING APPLICATIONS** Course focuses on design, creation, and revision of business documents using desktop publishing software. Students will learn terminology, layout techniques, and graphics preparation. Prerequisite: Completion of INFO 1341 or knowledge of equivalent information processing software preferred. Spring.

**2322 INTRODUCTION TO MINICOMPUTERS** Emphasis will be placed on the installation, operation and use of utility programs, and on an introduction to RPG II for minicomputers. Fall, spring.

**2328 PROBLEM SOLVING WITH COBOL** Programming techniques with COBOL. Computer programming for business-related problems with COBOL. Structured design, documentation and programs to generate reports. Prerequisites: MATH 1390 or 1393. Fall, spring.

**3305 INTRODUCTION TO CICS** An introduction to IBM Customer Information Control System (CICS). Prerequisite: INFO 2322 and INFO 2328 or consent of department chair. Fall, spring.

**3310 FILE PROCESSING APPLICATIONS WITH COBOL** File (sequential, index sequential and direct) organization & processing, table handling (1, 2 & 3 dimensions), mainframe and microcomputer applications, interactive programming, utilities and sorts. Prerequisite: Minimum of "C" in INFO 2328. Fall, spring.

**3321 MANAGING SYSTEMS AND TECHNOLOGY** The management of information systems and technology in organizations. Explores the management and integration of information systems in a business to support decision making and problem solving in light of current information technology.

Prerequisite: Completion of business foundation courses or consent of department chair. Fall, spring.

**3328 SYSTEMS ANALYSIS AND DESIGN** Management information system procedures and phases, structured analysis and design tools and techniques, role and career path of the systems analyst, and introduction to current software packages used in management information systems. Prerequisite: INFO 3321. Fall, spring.

**3364 ADVANCED INFORMATION PROCESSING** Course provides advanced information processing skills, knowledge, and abilities. Prerequisite: INFO 1341. Spring.

**3365 INFORMATION AND RECORDS MANAGEMENT** Importance of records management in

receiving, store-keeping; sales systems; store policies. Prerequisite: MKTG 3350. Fall, spring.

**4353 MARKETING RESEARCH** Application of research methodology to marketing and management problems. Includes research design, questionnaire construction, sample design, and quantitative data analysis. Group project required. Prerequisite: MKTG 3350 and ECON 2330. Fall, spring.

**4354 CONSUMER BEHAVIOR** Motivational forces that influence the behavior of consumers. Includes internal and external forces and explains the consumer decision process. Group project utilized. Prerequisite: MKTG 3350. Fall, spring.

**4355 MARKETING MANAGEMENT** Process of identifying and resolving marketing problems, with emphasis on case studies. Prerequisite: 9 hours of marketing or consent of department chair. Fall, spring.

**4356 FASHION MERCHANDISING** Marketing fundamentals, retailing, and salesmanship as applied to the merchandising of fashion goods. Considerable emphasis on professional contacts through field trips and guest lecturers. Prerequisite: MKTG 3350. Spring.

**4360 HEALTH CARE MARKETING** Application of basic theoretical and practical marketing knowledge to the health care industry and exposure to contemporary health care marketing literature. Includes contributions by health care industry practitioners. Prerequisite: Consent of department chair. Fall.

**4361 HEALTH CARE MARKETING AND MANAGEMENT** An examination of the process of developing a health care marketing plan. Course material applied through student project teams working with health care organizations or through case studies. Consent of department chair. Spring.

**4370 FUNDAMENTALS OF DIRECT MARKETING** Study of the process and technology of direct marketing. Examination of fundamental principles of direct marketing including the marketing, promotion, and business considerations of the discipline. Prerequisite: MKTG 3350. On demand.

**4371 ADVERTISING** Advertising concepts, campaign strategy, media mix, advertising research, preparation of advertising copy, agency association and the relationship of advertising to the marketing mix. Group project required. Prerequisite: MKTG 3350. Fall.

**4372 SALES MANAGEMENT** A functional approach to the administration of the sales force with attention given to the techniques of selling. Sales presentation required. Prerequisite: MKTG 3350. Fall.

**4373 PUBLIC RELATIONS**

**1110 BUSINESS STUDIES** Assists freshman students interested in business to understand this area of study and related career opportunities and to gain the academic skills and identify and utilize the university and college resources needed to achieve their educational and career goals. Fall spring.

**2300 FUNDAMENTALS OF ENTREPRENEURSHIP** Provision of a foundation of knowledge and



emphasis on the nature, development, and implementation of an organization's strategy. Case studies and organizational simulations are used in an attempt to develop decision making and problem solving skills. Prerequisite: Completion of FINA 3330, MGMT 3340, MGMT 3344, and MKTG 3350. Fall, spring.

# COLLEGE OF EDUCATION

**INTERIM DEAN:** Dr. Fred Litton, 450-3175

The College of Education has as its major function the preparation of professional personnel for elementary and secondary schools, selected human services positions, and for other related professional careers. Emphasis is placed upon providing programs grounded in exemplary research, theory, and practice. The college prepares professionals as lifelong learners who are catalysts for restructuring institutions and renewing personnel charged with the education and welfare of those they serve.

To help achieve this mission the college is committed to working collaboratively with elementary and secondary schools, post-secondary institutions, state agencies, and other public and private groups to address educational issues. Faculty are actively involved with state, regional, and national organizations, with schools, and with human service agencies.

The college is housed in Mashburn Hall on campus and the Child Study Center, adjacent to the university campus. The college is composed of four departments: Administration and Secondary Education, Childhood and Special Education, Psychology and Counseling, and Applied Academic Technologies. The Division of Professional Field Services includes early field experiences, student teaching, and certification. The Center for Academic Excellence is the college's research, service, and outreach unit.

## CURRICULA

### **Associate Degree**

Vocational-Industrial Education

### **Bachelor of Arts**

Psychology

### **Bachelor of Science in Education**

Business Education

Elementary -K endorsement

Elementary Education

Elementary-Special Education

Marketing Education

Special Education

Mildly Handicapped K-12

Seriously/Emotionally Disturbed K-12

Moderately/Profoundly Handicapped K-12

### **Bachelor of Science**

Industrial Technology

Psychology

### **Master of Science in Education**

Business Education

Early Childhood Education

Elementary Education

Gifted Education Emphasis

Elementary School Leadership

Secondary School Leadership

Reading

Early Childhood & Special Education

Mildly Handicapped K-12

Moderately and Profoundly Handicapped K-12

Seriously Emotionally Disturbed K-12

Technology Education

## **Master of Science**

School Counseling

Elementary

Secondary

Community Service

Student Personnel Services in Higher Education

School Psychology

Counseling Psychology

Library Media and Information Technology

## **Education Specialist**

School Counseling

Advanced Guidance Counseling

Advanced Guidance Supervision

Educational Leadership

## **A. REQUIREMENTS FOR ADMISSION TO THE TEACHER EDUCATION PROGRAM:**

Admission to the Teacher Education Program requires the submission of a formal application after the completion of 45 hours, and the minimum requirements. Application brochures and forms are available in Professional Field Services (THD 230).

Before admission to the Teacher Education Program is granted, the following minimum requirements must be satisfied:

- Declaration of a major or equivalent in an accepted certifiable field of study. A student must meet the requirements of the major department.
2. A GPA of 2.50 or better on all course work attempted.
- Completion of the general education courses in written communications, oral communications, and mathematics. ENGL 1310 and 1320, SPCH 1310, MATH 1360 or above with no grade less than

"C."

- Completion of the PRAXIS I Pre-Professional Skills Test (PPST) according to state established minimum scores: (PPST) Reading--170; Math--169; Writing--171 or the PRAXIS I Academic Skills Assessment Computer Based Test according to state established minimum scores: (CBT) Reading--316; Math--314; Writing--316. A student whose performance on any section of the test battery is unsatisfactory is urged to take further course work in the appropriate area. Admission to the Teacher Education Program will be delayed until the minimum scores on each section of the PPST or CBT as required by the State Board of Education are achieved. Students are encouraged to take the PPST or CBT during the sophomore year.
- Successful completion of EDUC 1210, EDUC 2310 and EDUC 2320 with a grade of no less than "C."
- Absence of characteristics which might represent serious hindrances to effective teaching based on interviews, rating scales and standardized personality devices.

### **Conditional Admission**

Conditional admission may be granted one time only to post-baccalaureate students, transfer students, and students changing to an education major. These students must have a cumulative GPA of 2.5 and have successfully completed the PPST. Applicants for conditional admission should submit a request to the Director of Professional Field Services.

### **B. REQUIREMENTS FOR ADMISSION TO DIRECTED TEACHING:**

1. Formal acceptance into the Teacher Education Program as outlined above.
  - Favorable recommendations and signatures from the departmental advisor and chairperson in both major and minor fields.
  - A GPA of 2.5 or better in all course work attempted, no grade less than a "C" in all required professional education courses, and a cumulative grade point average of no less than 2.5 in the subject areas in which the student intends to student teach.
- 4 Satisfactory completion of at least one residence course at the University of Central Arkansas in the teaching field in which directed teaching is to be done. (Applicable to students who are not seeking a degree from UCA.)
  - Satisfactory completion of all courses in the student's major and/or area in which student teaching is sought.
6. Satisfactory completion of professional education and methods courses.

Students are assigned to directed teaching only in school districts which have been designated as student teaching centers. Students are not assigned to schools where they may have a child, spouse, or other relative attending or working or to a secondary school from which they graduated. Application for directed teaching should be made to the Professional Field Services office (THD 230) no later than March 1 for students planning to student teach during the fall semester or October 1 for the spring semester.

### **C. REQUIREMENTS FOR CERTIFICATION:**

The following requirements must be met before recommendation for certification will be granted:

- Satisfactory completion of the National Teacher Examination (NTE) requirements. (Professional Knowledge 642; Specialty Area exam in areas(s) of certification).
- Successful completion of all requirements for a bachelor's degree ( for students who are not UCA degree candidates, the completion of requirements must be from a regionally accredited institution of higher education).
- Completion of all professional education courses with GPA of 2.5 or better and with no grade less than a C.

4. A GPA of 2.5 or better in each teaching area in which certification is desired.

For post-baccalaureate students: In addition to satisfying the requirements listed above, the student must be admitted to the teacher education program and complete the program requirements of the UCA department representing the area in which the student is seeking certification. The student must submit an official transcript from the regionally accredited program where they received their degree. Students seeking to complete certification requirements that meet minimum state requirements in other areas must fill out an Arkansas Department of Education Certification Deficiency and Removal Plan/Application. This form will be forwarded to the State Department of Certification and Licensure for this verification.

### **D. OTHER REQUIREMENTS**

The Bachelor of Science in Education degree with major in Elementary Education or Elementary (K-6) or Elementary Education (1-6) requires Studies in Conservation 3 hrs (Geog 1305 or 1315 or 1320 or 2302), Hist, US 2301 or 2302 and POLITICAL SCIENCE 1330

## **COMMON CORE FOR ALL TEACHER EDUCATION MAJORS (EDUC):**

The following courses are required for all BSE degrees and those seeking teacher certification.

**1210 EDUCATION PROFESSION** Overview of the education profession. Topics include school organization, educator roles, school curriculum, teacher characteristics, contemporary issues, careers in education, legal and ethical concerns, and certification and admission processes. Prerequisite: Second

# **CHILDHOOD EDUCATION**

**Interim Chair:** Dr. Jim Mainord , 450-3169



## **Major in Elementary Education**

1. General Education - Requires the completion of the General Education Component (p.)
2. Education - 50 hours - must include Professional Education Core (15 hours) and CHED 4304, 4305, 4308, 4309, 4350, 4310, 4315, 4704, 4705.
3. Related requirements - 3 hours - ART 4360; ENGL 3310; BIOL 4340; MATH 3351 and 4310 or 4312; MUS 3392; KPED 3330;

## **Elementary Education- Kindergarten Endorsement**

1. General Education - Requires the completion of the General Education Component. (p.)
2. Education - 56 hours - must include Professional Education Core (15 hours) and CHED 3301, 4304, 4305, 4309, 4310, 4315, 4350, 4373, 4374, 4703, 4704.
3. Related Requirements - 24 hours - ART 4360; ENGL 3310; BIOL 4340; MATH 3351 and 4310 or 4312; MUS 3392; KPED 3330.

**MASTER'S DEGREES** - See Graduate Catalog

## **COURSES IN CHILDHOOD EDUCATION**

**Admission to Teacher Education is required for all of the following courses (1.s) and CHED 3301, 4305, FOUNDATION OF EARLY CHILDHOOD EDUCATION (Admission to Teacher Education Ca27.9727j /F12 1Fact5 - affected)**

social sciences with an emphasis on economics. Field experience required. Admission to Teacher Education. Completion of EDUC 1210, 2310, 2320, 3301, 3310, and 3220.

**4302 TEACHING IN THE MIDDLE SCHOOL** The basis for middle school organization and appropriate teaching strategies. Spring, summer.

**4304 LANGUAGE ARTS IN THE ELEMENTARY SCHOOL** Developmentally appropriate instructional strategies, materials, and curriculum for diverse needs of individual learners in elementary language arts program. Field experience required. Fall, spring.

**4305 MATHEMATICS AND SCIENCE IN THE ELEMENTARY SCHOOL** Developmental approaches to elementary school mathematics and science. Topics include: application of learning theories, instructional strategies and materials, and curriculum development as they relate to diverse needs of individual learners. Field experience required. Prerequisite: CHED 4304 Fall, spring.

**4308 ELEMENTARY SCHOOL CURRICULUM** Study of the total curriculum and instructional practices from both historical and current practice. Teaching techniques and professionalism as they relate to critical issues found within the elementary setting are discussed as they relate to child development, learning theories, and the individual diverse needs of the child. Field experience required. Fall, spring.

**4309 CLASSROOM MANAGEMENT IN THE ELEMENTARY SCHOOL** Study of classroom management skills necessary to create and maintain an environment in which teaching and learning can occur within a variety of classroom situations and with diverse student populations. Field experience required. Fall, spring.

**4310 FOUNDATIONS OF READING** Preparation of students to teach reading/language in the elementary school focusing upon development of a k14291T r I and profesh9 Tm -20.3078 - - - n the



# **BUSINESS/MARKETING EDUCATION**

**Chair:** Dr. Selvin Royal, 450-3177

## **PURPOSES**

Programs of study in Business Education and Marketing Education offered within the Department of Applied Academic Technologies are designed for individuals preparing for careers as secondary and post-secondary teachers.

These programs of study include both undergraduate major and minor programs of study.

1. At the undergraduate level, students may become certified in Business Education by:
  - (a) earning a Bachelor of Science in Education degree with a major in Business Education, or
  - (b) learning a Bachelor of Science in Education degree with a major in a secondary teaching field and a minor in Business Education.
2. At the undergraduate level, students may become certified in Marketing Education by earning a Bachelor of Science in Education degree with a major in Marketing Education.
3. Post-baccalaureate students may become certified in Business Education or Marketing Education by completing a prescribed list of courses as determined by the Certification Officer of the university in conjunction with the Arkansas State Department of Education.

## **BACCALAUREATE DEGREE**

### **Bachelor of Science in Education**

#### **Major in Business Education**

The degree of Bachelor of Science in Education with a major in Business Education requires successful completion of the general education requirements, business education core, teacher education core, and

professional studies requirements. In addition, students may obtain endorsements in three areas: secretarial, computer technology, and vocational education. Students may minor in another teaching area.

### **Business Education Core - 39 hours**

ACCT 2310, 2311, 3321; ECON 1310, FINA 2330; INFO 1341, 1342, 2301, 2310, 2320, 2364, 3365, 4362

### **Teacher Education Core (Business Education Component) - 9 Hours**

Completion of Teacher Education Core and Professional Studies requirements for secondary education certification plus BMED 4359, BMED 4371, and BMED 4325.

### **Endorsements**

- I. Secretarial - Completion of a three-hour advanced shorthand course.
- II. Computer Technology - Completion of a three-hour computer programming course in addition to 12 hours of computer courses included in Business Education. (See advisor.)
- III. Vocational Education - Nine vocational hours required for vocational education endorsement are included in the Teacher Education Core and Business Education Component requirements. See advisor for work experience requirement.

### **Major in Marketing Education**

The degree of Bachelor of Science in Education with a major in Marketing Education requires successful completion of the general education requirements, marketing education core, teacher education core, and professional studies requirements.

The marketing education core and marketing education component of the teacher education core requirements are described below. See advisor for work experience requirements needed for vocational

certification. Students may minor in another teaching area.

### **Marketing Education Core - 39 Hours**

ACCT 2310, 2311, 3321; ECON 2320, 2321; INFO 1342, 2301, MGMT 3340; MKTG 3350, 4371, 4372, 4352; BMED 4375

### **Teacher Education Core Ric759.37Dponifi) Education Core - 39 Hours**

**4373 MACHINE SHORTHAND** Skill in machine shorthand and methods and techniques necessary in teaching machine shorthand.

**4375 STRATEGIES FOR COOPERATIVE EDUCATION AND APPRENTICESHIP PROGRAMS** Principles and procedures for initiating and teaching cooperative vocational programs including the development of cooperative education and relationships with business, industry, and public institutions.

**4376 VOCATIONAL LABORATORY ORGANIZATION AND MANAGEMENT** A study of the design and implementation of facilities, laboratory instructional procedures, and activities used by teachers in developing a setting wherein students may become adaptable, productive, and self-sufficient in achieving occupational versatility and competence.

**4390 SPECIAL PROBLEMS IN BUSINESS AND MARKETING EDUCATION** Readings and research designed for detailed analysis of business and/or marketing education. Required for students graduating with honors. Prerequisite: Consent of advisor.

**4394 INTRODUCTION TO ADULT EDUCATION** Principles of adult education and an overview of the educational needs of adults.

**4395 METHODS AND TECHNIQUES OF ADULT EDUCATION** Specific methods and techniques utilized in the teaching of adults.

**4396 METHODS AND MATERIALS IN VOCATIONAL EDUCATION** Methods and materials to use in teaching courses in vocational education.

# **EDUCATIONAL MEDIA/LIBRARY SCIENCE**

**Chair:** Dr. Royal, 450-3177

See Graduate Catalog

## **COURSES IN EDUCATIONAL MEDIA/LIBRARY SCIENCE**

**1201 USE OF THE LIBRARY** Introduction to Torreyson Library, its physical organization, its tools for accessing information, and its basic reference sources. Fall, spring.

**3331 TECHNIQUES IN AUDIOVISUAL EDUCATION** Basic selection of materials, equipment operation, and methods of media utilization (including microcomputers) for classroom teaching situations. On demand.



# **ADMINISTRATION AND SECONDARY EDUCATION**

**Interim Chair:** Dr. David Skotko, 450-3174

## **PURPOSES**

The courses offered by this department are designed to provide and enhance the professional knowledge, understanding, and skills needed by teachers and administrators. Programs have been developed with needs of both pre-service and in-service personnel in mind. Courses focus on four areas: (1) The school, including history, philosophy, curriculum, purposes, practices, and its administration; (2) The pedagogy of teaching including applications for the reflective practitioner; (3) Leadership and administration, including methods, materials, assessments, and problems; and (4) Clinical experiences whereby students are given the opportunity to practice under the supervision of experienced teachers or administrators.

## **BACCALAUREATE DEGREES**

### **Bachelor of Science in Education**

Students who plan to become secondary school teachers choose a major in a certifiable teaching field. In addition, the student must complete 45 hours of general education as specified in this catalog and the professional education sequence for prospective secondary school teachers. The professional courses and the years in which they should be completed are as follows:

**Freshman Year** EDUC 1210

**Sophomore Year** EDUC 2310 and EDUC 2320

**Junior Year** EDUC 3301, EDUC 3220, and EDUC 3310

These core courses are prerequisites to enrolling in Directed Teaching.

**Senior Year** ADSE 4300 or appropriate departmental course, ADSE 4200, and ADSE 4305

**Directed Teaching** ADSE 4780 and 4781

Requirements listed under A, B, C, and D of the Bachelor of Science in Education Degree on (p.) must be satisfied by all degree candidates who expect to complete a program leading to teacher certification.

## **Middle School**

Students in secondary education programs who wish to qualify to teach in a middle school and/or junior high school below the ninth grade level must take the following courses in addition to those listed above in order to be certified for middle school level:

ADSE 4303 and EDUC 2310

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN ADMINISTRATION AND SECONDARY EDUCATION**

Formal admission to UCA's Teacher Education program is required for all courses listed below.

**ADSE 4300, ADSE 4355, ADSE 4361, ADSE 3306, ART 4361, BUS 4371, ENG 4358, FLAN 4315, H ED 3300, HIST 4310, HMEC 4355, KPED 4310, MATH 4301, and MUS 3304/3306/3308**

## **METHODS AND MATERIALS OF SECONDARY TEACHING**

Students select the appropriate course based on their major. Basic instructional methods utilized with

secondary students; criteria for teacher devised evaluation instruments. Clinical field experience required.

**4200 TRENDS AND ISSUES IN SECONDARY SCHOOLS AND CURRICULUM** Purposes, roles, organizational structures; curricular offerings and articulation; issues and trends impacting secondary schools with emphasis given to the teachers' roles in delivering quality secondary education programs designed for all students. Clinical field experience required.

**4303 THE MIDDLE SCHOOL: PSYCHOLOGY, PHILOSOPHY, AND ORGANIZATION** The relationship between public characteristics and to middle school organization. Fall, summer.

**4305 CLASSROOM ORGANIZATION AND MANAGEMENT** Principles of classroom organization and management; building classroom rapport; fostering group human relations skills; developing preventive approaches to classroom discipline; and using alternative classroom discipline approaches. From discipline approaches.



# **PSYCHOLOGY**

**Chair:** Dr. David Skotko, 450-3193

## **PURPOSES**

The purposes of undergraduate offerings in psychology are: 1) to provide an introduction to the science of understanding and predicting human behavior; 2) to provide psychology majors the foundation for advanced study in psychology and related areas; and 3) to provide prospective teachers and students majoring in other fields with psychological principles applicable to their disciplines.

## **THE HONORS PROGRAM IN PSYCHOLOGY**

Juniors and seniors with a G.P.A. of 3.0 or above are eligible to participate in an honors program with consent of the department.

The Honors Program is coordinated by a faculty honors committee. See department chair or advisor for details.

## **BACCALAUREATE DEGREE**

### **Bachelor of Science**

The Bachelor of Science degree in psychology requires successful completion of 124 hours, including 1) general education requirements (p.); 2) degree requirements (p.); and 3) thirty-one hours in the department as indicated below. A minor must be worked out with the student's advisor in the minor department.

### **Bachelor of Arts**

See department advisor for degree requirements

## **Major in Psychology - 36 hours**

### 1. Major Requirements (36 hours)

#### Category I: Core (21 hours)

PSYC 1300 General Psychology PSYC 3351 Psychology of Learning

PSYC 2330 Statistics PSYC 4320 Abnormal Psychology

PSYC 3332 Experimental PSYC 3340 History and Systems of PSYC

PSYC 3340 Experimental Psych Lab

Category II: Choose 3 hours.

PSYC 2350 Sensation and Perception

PSYC 4325 Physiological Psych

PSYC 3310 Psychophysiology

Category III: Choose 3 hours

PSYC 2370 Developmental Psych

PSYC 3360 Social Psych

PSYC 4300 Personality

Category IV:

PSYC 3331 Business/Industry PSYC 4380 Independent Readings

PSYC 3350 Psychology of Women PSYC 4382 Independent Research

PSYC 4351 Behavior Modification PSYC 4383 Workshop

PSYC 4353 Practicum in Behavior Modification PSYC 4390 Tests & Measurements

(Courses not used to complete Category II or III requirements may be used in Category IV.)

## **Minor in Psychology - 21 hours**

### **2. Minor Requirements:**

Twenty-one hours including General Psychology, one course from each of Categories II and III, and 12 additional hours selected in consultation with departmental advisor.

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN PSYCHOLOGY**

**1300 GENERAL PSYCHOLOGY** Survey and introductory course in psychology to acquaint the student with psychology as a behavioral science. Fall, spring, summer.

**2330 PSYCHOLOGICAL STATISTICS** Introductory descriptive and inferential statistics. No credit will be awarded in more than one introductory statistics course. Fall, spring, summer.

**2350 SENSATION AND PERCEPTION** Study of the sensory processes and related perceptual phenomena. PSYC 1300. Fall.

**2370 DEVELOPMENTAL PSYCHOLOGY** Continuation of theoretical points of view related to development. Prerequisite: PSYC 1300. Fall, spring, summer.

**3310 PSYCHOPHYSIOLOGY** This course explores the use of physiological recordings as an aid to understanding human behavior and mental processes. Prerequisite: PSYC 1300. On demand.

**3331 PSYCHOLOGY OF BUSINESS AND INDUSTRY** Survey of psychological principles applicable to business and industry settings. Prerequisite: PSYC 1300. On demand.

- 3332 EXPERIMENTAL PSYCHOLOGY** Scientific methodology and report writing as applied to major problem areas in behavioral research. Prerequisite: PSYC 1300 and 2330. Fall, spring.
- 3340 EXPERIMENTAL PSYCHOLOGY LABORATORY** Prerequisite: PSYC 3332. Fall, spring.
- 3350 PSYCHOLOGY OF WOMEN** Survey and analysis of theory, research, and special topics that pertain to the psychological experience of women through the life-span. Focus on integrating psychology of women into traditional approaches to the study of human behavior. Prerequisite: Six hours of psychology. Spring.
- 3351 PSYCHOLOGY OF LEARNING** Basic theories and principles of learning. Prerequisite: PSYC 1300. Fall, summer.
- 3360 SOCIAL PSYCHOLOGY** Social and cultural aspects of individual personality. Prerequisite: PSYC 1300. Fall, spring.
- 4325 PHYSIOLOGICAL PSYCHOLOGY** Techniques of investigation in physiological psychology. Structure and function of all nerves, muscles, and endocrine glands. Investigation of physiological basis for behavior. Prerequisite: PSYC 1300. Fall, summer.
- 4300 THEORIES OF PERSONALITY** Study of the major ideas of important personality theorists and their theoretical contributions to the science of personality. Prerequisite: PSYC 1300. On demand.
- 4320 ABNORMAL PSYCHOLOGY** Survey of behavior disorders, ranging from the mild to the severe. The etiology, treatment, and prognosis of the various maladaptive behavior patterns are examined. Prerequisite: PSYC 1300. Fall, spring.
- 4340 HISTORY AND SYSTEMS OF PSYCHOLOGY** Study of philosophical and scientific antecedents of contemporary psychology. Prerequisite: Seniors only. Spring, summer.
- 4351 BEHAVIOR MODIFICATION** The nature of a variety of behavior modification techniques which have proved useful in such diverse areas as mental retardation, abnormal behavior, education and social behavior and their application to specific forms of behavior. Prerequisite: PSYC 3351. Spring.
- 4352 ADULT PSYCHOLOGY** Survey of psychological aspects of the adult's role in contemporary society in relation to self-image, family, and vocation. A consideration of adulthood as developmental as applied to the physical, mental, emotional, and social being. Prerequisite: PSYC 1300. On demand.
- 4353 PRACTICUM IN BEHAVIOR MODIFICATION** Supervised, practical experience in behavior management programs. Prerequisite: PSYC 3351, 4351 or 5351, and consent of instructor. On demand.
- 4380 INDEPENDENT READINGS IN PSYCHOLOGY** Readings selected by the student under the direction of the major professor from special areas and topics of psychology. Prerequisite: Consent of instructor. On demand.
- 4381 PSYCHOLOGY OF THE DISADVANTAGED** Study of the impact of social factors on attitudes, personality development and motivation patterns of young children from disadvantaged backgrounds. Prerequisite: PSYC 1300. On demand.
- 4382 INDEPENDENT RESEARCH IN PSYCHOLOGY** Development of a research proposal and the execution of the study. Prerequisite: PSYC 3332. On demand.





# **SPECIAL EDUCATION**

**Chair:** Dr. Fred Litton, 450-3172

## **PURPOSES**

The thrust of course offerings in special education is to prepare teachers to serve those children deviating from the established norm mentally, physically, socially, or emotionally to such an extent that they require adjusted educational services in order to develop to their maximum capacity.

The department also offers a program of graduate study established for specialized training in various fields of special education.

Students may enroll in programs leading to the Bachelor of Science in Education, Master of Science in Education, or programs leading to certification. A student may also elect to take a non-teaching minor in special education for the B.S.E., B.A., or B.S. degrees. All programs in special education are accredited by the Council For Exceptional Children.

Other important functions of the department are to provide an orientation for regular classroom teachers, supervisors, and administrators, to make available fields of study for general education and others, and to conduct research in special education and related areas.

## **BACCALAUREATE DEGREES**

### **Bachelor of Science in Education**

The degree of Bachelor of Science in Education with emphasis in Special Education Mildly Handicapped K-12, Seriously Emotionally Disturbed K-12, and Moderately/Profoundly Handicapped K-12 or Elementary-Mildly Handicapped K-12, Elementary-Seriously Emotionally Disturbed K-12 or Elementary-Moderately/Profoundly Handicapped K-12 require the successful completion of 1) General Education component (p.); 2) Related Component (listed below); 3) Degree Component (p.).

### **Major in Special Education Areas**

The SPED core courses for all Bachelor of Science majors in Special Education are: SPED 3305, SPED 3360, SPED 4313, SPED 4314, SPED 4333 and EDUC/SPED 2320.

Related Component requirements for these degrees are: PSYC 2301 or 2370, \*MATH 3351; SPCH 1310; CHED 4309 and 4310.

\*Not required for Moderately/Profoundly Handicapped K-12

**Mildly Handicapped K-12 32 hrs.**

SPED 2301, 3351, 2331, 4332, 4334, 4335, 4710 and 4711.

**Seriously Emotionally Disturbed K-12 35 hrs.**

SPED 2301, 3351, 2312, 4315, 4334, 4340, 4712, and 4713; SPCO 2303.

**Moderately/Profoundly Handicapped K-12 32 hrs.**

SPED 2301, 2303, 4302, 4341, 4342, 4714, and 4715.

**Double Major Requirements**

Related Component requirements are: ART 4360; ENGL 3310; BIOL 4340; MATH 3351 and 4310 or 4312; MUS 3392; KPED 3330; PSYC 2301 or 2370; CHED 4310.

**Elementary and Mildly Handicapped K-12 52 hrs.**

CHED 4304, 4305, 4309; SPED 2301, 3351, 4314, 2331, 4332, 4333, 4334, 4335, 4710 and CHED 4704

or 4705.

**Elementary and Seriously Emotionally Disturbed K-12 55 hrs.**

CHED 4304, 4305, SPCO 2303; SPED 2302, 2301, 3351, 2312, 4313, 4314, 4315, 4333, 4334, 4340, and 4712; and CHED 4704 or 4705.

**Elementary and Moderately/Profoundly Handicapped K-12 55 hrs.**

CHED 4304, 4305, SPED 2301, 2303, 3351, 3360, 4302, 4313, 4314, 4333, 4334, 4341, 4342, 4714; and CHED 4704 or 4705.

**Non-Teaching Minor in Special Education**

**B.S.E., B.A., or B.S. - 18 hours**

A student minoring in special education may only take 18 hours. These 18 hours are as follows: SPED 2301, 2303, 2331, 3351, 4313 and EDUC/SPED 2320. A minor program of study sheet must be filled out with a department advisor.

**MASTER'S DEGREE** - See Graduate Catalog

**COURSES IN SPECIAL EDUCATION**

**2301 LANGUAGE DEVELOPMENT OF EXCEPTIONAL CHILDREN** The channels used by exceptional children in developing language. Fall, spring.

**2303 CHARACTERISTICS OF THE MENTALLY RETARDED** Descriptions of types and nature of

personality characteristics and needs of these children. Prerequisite: Admission to Teacher Education program. Summer.

**2320 EXCEPTIONAL AND CULTURALLY DIVERSE STUDENT POPULATIONS** This course is designed to provide a comprehensive introduction to diverse populations. It will assist students in developing a knowledge and understanding of individuals with disabilities, gifted students and students from different cultures.

**2331 CHARACTERISTICS OF THE MILDLY HANDICAPPED** Distinguishing characteristics and etiology of mildly handicapping conditions. Prerequisite: Admission to Teacher Education program. Fall, spring, summer.

**3305 ADVANCED PRACTICUM IN SPECIAL EDUCATION** This course is designed to offer the student the opportunity to participate in a mid-level public school practicum experience. Specific weekly objectives are provided as the framework for this course. Students are expected to complete the objectives in cooperation with their supervising teacher, and to be prepared to discuss the objectives in periodic seminar sessions. Prerequisites: SPED 2320, 2301, 2305, admission to Teacher Education program.

**335 EVALUATION OF EXCEPTIONAL CHILDREN** The intent of this course is to provide the student with an understanding of the administration and interpretation of various diagnostic and evaluative tests used in special education. Prerequisite: Admission to Teacher Education program. Fall, spring.

**3360 PARENTAL COUNSELING IN SPECIAL EDUCATION** This course is designed to provide students with an awareness of the family systems as they exist. It explores family needs and counseling components used in creating alternatives and making decisions necessary for the achievement of appropriate family relations. Prerequisite: SPED 2320 and 2303 or 2301 and admission to Teacher Education program. On demand.

**4302 MATERIALS AND METHODS FOR TEACHING PERSONS WITH MODERATE TO PROFOUND HANDICAPS** Designed to introduce and familiarize students with characteristics and strategies for working with individuals with moderate to profound handicaps. Students will be exposed to current philosophies guiding services to the population and exemplary issues and trends for educating students with more significant handicaps. Prerequisite: Admission to Teacher Education program and SPED 2303.

**4313 CLASSROOM MANAGEMENT OF EXCEPTIONAL CHILDREN** Designed to provide students with competencies required to manage learning and classroom behaviors of exceptional children. Students will be exposed to accepted theoretical and functional principles of behavior management used and observed in the classroom. Prerequisite: Admission to Teacher Education program. Fall, spring, summer.

**4314 INDIVIDUALIZED EDUCATIONAL PLANNING** Methods in informal diagnosis and prescriptive programming that will provide the teacher with skills to determine the child's learning style and to successfully plan instructional sequences appropriate to the child's changing skill needs. Prerequisite: Admission to Teacher Education program and/or Special Education, Elementary or Early Childhood Education major. Fall, spring, summer.

**4315 METHODS AND MATERIALS FOR EMOTIONALLY DISTURBED CHILDREN** A study of educational techniques, materials and equipment used in teaching emotionally disturbed children. Curriculum for both classroom and individual clinical teaching is included. Lecture 3 hours. Prerequisite: SPED 2312 and admission to Teacher Education program. Spring, summer.

**4332 METHODS AND MATERIALS FOR THE ELEMENTARY LEVEL MILDLY HANDICAPPED** This course incorporates instructional methods, materials and activities for teaching children with mildly handicapping conditions. Prerequisite: SPED 2331 and admission to Teacher Education program.

Admission to Directed Teaching, and completion of professional education courses. Fall, spring.

**4712- DIRECTED TEACHING - SERIOUSLY EMOTIONALLY DISTURBED K-12**

**4713** Teaching under supervision in a special education classroom. Prerequisites: Admission to Teacher Education, Admission to Directed Teaching, and completion of professional education courses. Fall, spring.

**4714- DIRECTED TEACHING - MODERATELY/PROFOUNDLY HANDICAPPED**

**4715 K-12** Teaching under supervision in a special education classroom. Prerequisites: Admission to Teacher Education, Admission to Directed Teaching, and completion of professional education courses. Fall, spring.

**4128, 4228, 4328**

**WORKSHOP** Problems in Special Education to be determined by the needs of students who enroll. Fall, spring. On demand.

# COLLEGE OF FINE ARTS AND COMMUNICATION

**DEAN:** Dr. Robert Everding **ASSISTANT DEAN:** Dr. Anne Patterson

## MISSION

The College of Fine Arts and Communication has as its primary mission to educate its students in the areas of art, music, speech, theatre, journalism, and telecommunication. The College is committed to the development of intellect and talent, the acquisition of knowledge and understanding, and the cultivation of judgement and values. In an environment that fosters artistic achievement, creativity, and scholarship, students prepare for performance, teaching, service, leadership, and personal fulfillment. Through its numerous artistic, dramatic, and musical presentation, the College of Fine Arts and Communication contributes to the cultural life of the university, the community, and the state. The college consists of the following departments:

Art

Music

Speech, Theatre, and Mass Communications

## Programs with departmental Honors:

Art Speech

Mass Communication Theatre

Music

## Degrees Offered:

### Bachelor of Arts:



Art (Emphases in Fine Arts, Art Education, or Art History)

Mass Communication (Emphasis in Journalism or Telecommunications)

Speech and Theatre (Emphases in Speech Communication or Theatre)

**Bachelor Fine Arts:**

Studio Art (Emphases in Ceramics, Graphic Design, Painting, Printmaking, or Sculpture)

**Bachelor of Music:**

(Emphases in Performance)

**Bachelor of Music Education**

(Emphases in Choral or Instrumental)

**Bachelor of Science**

Mass Communication (Emphases in journalism or Telecommunication)

Speech and Theatre (Emphases in Speech Communication or Theatre)

**Bachelor of Science in Education**

Journalism

Speech and Theatre

**Pre-Professional Studies:**

Pre-Architecture

Pre-Landscape Architecture

**Master of Music:**

(Emphases in Music Education, Performance, Choral Conducting, Instrumental Conducting, or Music Theory)

# **ART**

**Chair:** Dr. Ken Burchett, 450-3113

## **PURPOSES**

The Art Department performs the customary function of advancing the cultural values of the university, and represents those qualities, customs, and principles of education, scholarship, and creativity which the university regards as desirable.

The department is a center of undergraduate education in art for the State of Arkansas, established by the university to serve art students, faculty, and general learning constituencies of the university.

In recognition of the highest levels of achievement, degrees are awarded upon completion of specified programs of study in Studio Fine Arts, Graphic Design, Art Education, and Art History. Courses of study fulfill the comprehensive general purpose of the university and the professional and pre-professional needs of the artistic community.

The department subscribes to those principles of historical and contemporary significance which define the nature of art and its unique place in humanity. Traditional principles of art are characterized by their universality and timelessness; contemporary principles are shaped by the modern environment and characterized by individual response and expression.

Students and faculty are dedicated to the cultivation of excellence in teaching, professional advancement, and service to the community and state. Faculty are actively engaged in their own scholarly and creative work toward augmentation of the concept of teaching by example. Learning and professional purposes address the assimilation, expression and criticism of art.

Teaching and learning objectives in the department ensure a thorough experience of the knowledge and practice of art. Participation in a senior exhibit or project is required to demonstrate achievement in the skills and specific methods needed to sustain a growing, personal awareness of the processes, literature, and ideas of art.

Students are part of a dynamic artistic and educational environment. The response to change is a positive force in the formation of new ideas and expressions of artistic scholarship and practice.

Assistance is provided by faculty and students to the university and local communities to aid the assimilation of art into the general cultural experience as a service to private and public agencies.

The Art Department applies continuous, comprehensive assessment of its direction. The rapidly changing nature of art demands the highest state of currency in information, technology, and educational methods. Assessment outcomes are strategically applied to improvement of the art program.

## **DEPARTMENTAL REQUIREMENTS**

Advancement to the art degree program is contingent upon the recommendation of the art faculty on completion of the Sophomore Major Advancement Interview, after which a program of study is designed with an art faculty advisor.

A minimum of 15 semester hours in art must be taken at the university, including 12 hours of 3000-4000 level courses. The department recognizes courses taken at other accredited institutions. Courses transferred do not necessarily satisfy the specific requirements of the department. Transfer students must present portfolios for faculty review.

A comprehensive review and an exhibit are required during the senior year.

## **BACCALAUREATE DEGREES**

**General Information:** Two degrees are offered: (1) B.A. in Art with an emphasis in an area of the fine arts, art history or art education with teacher certification kindergarten through grade twelve, (2) B.F.A. in Art with a concentration in graphic design or an area of the fine arts.

## **THE CORE CURRICULUM**

**Core:** (Required of all degree programs) ART 1310, 1321, 2312, 2322, and 6 hours from 2325, 2335 and 2336.

**Area Studies:** ART 3324, 3 hours advanced art history, 3 hours from Category A: 3379, 3361, 2301, 3000-level art history; 3 hours from Category B: 3332, 3334, 3342, 3343; 3 hours from Category A or B; and Art 2140, 3140, 4140.

## **BACHELOR OF ARTS**

The degree of Bachelor of Arts, with a major in art normally requires 124 hours to complete, including: 1) General Education component (p.); 2) Degree Requirements (p.) - Foreign Language; 3) an approved degree program in art; and 4) a minor approved by the student's minor advisor. A minor is not required for Bachelor of Arts students who complete requirements for teacher certification.

### **Major in Art - 48 hours**

In addition to the 36 hours of Core and Area Studies curriculum, add 12 hours in a major emphasis in an approved degree plan. Degree plans are prepared in consultation with an art faculty advisor. Approved areas of emphasis:

**FINE ARTS EMPHASIS:** 6 hours 4000-level courses from two studio areas; ART 4388 and 3 hours studio elective.

**ART EDUCATION EMPHASIS:** ART 2301, 4350, 4361 and 3 hours art elective. Students seeking UCA Teacher Certification must complete the Professional Degree component including Directed Teaching in Art. This degree requires 140 hours and emphasis may take more than the normal 8 semesters to complete.

**ART HISTORY EMPHASIS:**

ART 2325, 2335 and 2336 must be completed prior to enrolling in upper-level art history courses.

## **BACHELOR OF FINE ARTS**

The degree of Bachelor of Fine Arts requires successful completion of 135 hours, including (1) General Education component (p.); (2) Degree Requirements (p.) Foreign Language; and (3) 81 hours in art in an approved degree plan. A minor is not required. This degree may require more than the normal 8 semesters to complete.

### **Major in Art - 81 hours**

In addition to the 36 hours of Core and Area Studies, add 3150, 4150, 4160, 4325, 4372, 4675, 4600, 3 hours of Art History elective, 24 hours studio concentration (including 12 hours of studio emphasis selected from Painting, Printmaking, Sculpture, Ceramics, or Graphic Design), and studio electives to complete 81 hours.

## **COURSES IN ART**

**1301 INTRODUCTION TO ART** Beginning studio work in both two and three- dimensional art. Recommended for the undecided major as an introduction to creative studio experience. May not be credited toward a major or minor in art. Fall, spring.

**1310**

**2322 DRAWING II, LIFE** Studio Course Studies of the figure in various media. Fall, spring.

**2325 ASIAN ART SURVEY** Important artistic monuments from India, China, and Japan. Because Buddhism is a connecting link for Asian cultures, emphasis is placed on Buddhist art. Fall.

**2335 ART HISTORY, ANCIENT** The painting, sculpture, and architecture of Western civilization from Prehistoric times to the Renaissance. Fall, spring.

**2336 ART HISTORY, RENAISSANCE TO MODERN** The painting, sculpture, and architecture of Western civilization from Renaissance to the contemporary. Fall, spring.

**3140 PORTFOLIO ASSESSMENT II** Progress review and degree candidacy. Prerequisite: ART 2140. Fall.

**3150 BFA FOLIO** Introduction to exhibiting work in the professional art field. Prerequisite: departmental approval. Fall, spring.

**3301 MODERN ART** Art from the nineteenth century to the present. Fall.

**3302 HISTORY OF AMERICAN ART** Art since colonial times. Spring.

**3303 NINETEENTH CENTURY ART HISTORY** European art of the nineteenth century. Spring.

**3315 CONTEMPORARY MEDIA IN 3-D** Studio Course Investigation and use of contemporary materials and concepts in the development of three-dimensional forms. Prerequisite: Art 2140, 3 hours 3000 level studio. Spring.

**3324 DRAWING III: ADVANCED LIFE DRAWING** Studio Course. An in-depth study of the figure with emphasis on the figure in various media. Fall, spring.

- 3344 PRINTMAKING II** Studio Course Advanced techniques in etching, lithography, screen printing, relief, and multi-plate color printing. Prerequisite: ART 2140, 3343. Fall.
- 3350 FIBERS** Studio Course Spinning, natural dyeing, weaving, batik and direct dye processes, and papermaking. Prerequisite: ART 2312 and 3 hours Drawing. Fall.
- 3353 GRAPHIC DESIGN I** Studio Course Introduction to graphic design. Two and three dimensional assignments to provide an overview of the graphic design field. Prerequisite: ART 1310 and 3 hours Drawing. Fall.
- 3354 GRAPHIC DESIGN II** Studio Course Utilizing typography as an effective element in visual communication. Prerequisite: ART 2140, 3342. Spring.
- 3361 SCULPTURE I** Studio Course Techniques and materials of three-dimensional art. Prerequisite: ART 2312 and 3 hours Drawing. Fall.
- 3362 SCULPTURE II** Studio Course Principles and concepts of three-dimensional form; investigation of structural problems in advanced media. Prerequisite: Art 2140, 3361. Spring.
- 3379 CERAMICS I** Studio Course Clay construction utilizing basic handbuilding and wheel techniques. Prerequisite: ART 2312 and 3 hours Drawing. Fall.
- 3380 CERAMICS II** Studio Course. Experimental projects in construction, glaze formulation, decorating techniques and firing procedures. Prerequisite: ART 2140, 3379. Spring.
- 3385 ART OF INDIA** Survey of the important artistic monuments of India, especially the temples and sculptures related to Buddhism and Hinduism. Spring.
- 3395 ART OF JAPAN** Survey of major Japanese monuments and styles with consideration of the social, political and religious currents formulating the arts. Fall.
- 4140 PORTFOLIO ASSESSMENT III** Senior Project and Comprehensive Review. Prerequisite: Art 3140. Fall, spring.
- 4150 BFA PROFESSIONAL ORIENTATION** Preparation for entry into the community of artists and artist-teachers as a graduate student or career professional. Prerequisite: Departmental approval. Fall, spring.
- 4160 BFA EXHIBIT PRESENTATION OF ART WORK** Prerequisite: Departmental approval. Fall, spring.
- 4240 ART HISTORY ASSESSMENT III** Senior Project and Comprehensive Review. Prerequisite: Art 2140. Fall, spring.
- 4325 DRAWING IV, EXPERIMENTAL** Studio Course Experimental drawing utilizing a variety of media with emphasis on developing personal styles of expression. Prerequisite: ART 2140, 3324. Fall.
- 4328 GRAPHIC DESIGN III** Packaging solutions and development of multiple piece product lines. Prerequisite: 3141, 3342, 3354. Fall.
- 4335 GRAPHIC DESIGN IV** Professional portfolio and personal resume. Prerequisite: 3342, 3354,



4328. Spring.

**4350 ART EDUCATION I** Theory and practice in art education for the elementary school. Prerequisite: ART 2140, 2301. Spring.

**4360 ART FOR THE ELEMENTARY GRADES** Development and implementation of art curriculum in the elementary grades. Prerequisite: admission to teacher education. May not be credited toward a major or minor in art. Fall, spring, summer.

**4361 ART EDUCATION II** Teaching techniques for secondary schools. (includes micro-teaching). Prerequisite: ART 3140, admission to teacher education. Fall.

**4372 SENIOR SEMINAR** Advanced topics in contemporary art. Prerequisite: senior standing and 9 hours of art history. Fall.

**4388 ADVANCED STUDIO** Studio Course Developing additional competence in special areas. Prerequisite: ART 3140, 6 hours in one studio area and permission. Fall, spring.

**4390 SPECIAL STUDIES** Independent study for the exceptional student in research and/or production of art. Prerequisite: invitation of the art faculty.

**4600 BFA PROBLEM** Individual instruction in selected topics, providing an opportunity to produce a series of works that explore a creative artistic vision. Prerequisite: Departmental approval. Spring.

**4102, 4202, 4302**

**DIRECTED STUDY** Advanced study and research beyond available courses. Prerequisite: departmental approval.

**4171, 4271, 4371**

**DIRECTED STUDIO PROBLEMS** Specific art media or topics on current issues and problems in art. Prerequisite: departmental approval.

**4375, 4675**

**ART INTERNSHIP** Supervised, practical experience in art. Prerequisite: departmental approval.

**NOTE:** A maximum of 6 hours of variable credit courses in art may be applied to the B.A. degree, 12 hours to the B.F.A. degree.

# **MUSIC**

**Interim Chair:** Dr. Anne Patterson

## **MISSION**

In consonance with the mission of the university and of the College of Fine Arts and Communication, the mission of the Department of Music is: 1) to provide a professional course of study to undergraduate and graduate students with aptitude and interest in careers in music or music education; 2) to provide pre-professional training to those who are not musicians, but who will use music as an important part of their professional lives; 3) to provide opportunities for students in all disciplines to enrich their own general education by taking courses in music; 4) to participate in the life of the university, the city of Conway, and the state of Arkansas through professional and volunteer service; and 5) to contribute to the enrichment of the cultural life of the university's extended community by offering opportunities for intellectual discourse and by presenting musical performances of high quality.

## **THE HONORS PROGRAM IN MUSIC**

During the junior year, a music major may be invited to enter the departmental honors program. To be eligible for admission, a student must have a 3.000 GPA overall and a 3.000 GPA in music courses. This program will include successful completion of Music 4310, Special Studies in Music.

## **DEPARTMENTAL UNDERGRADUATE ADMISSION REQUIREMENTS**

Students may apply for admission to undergraduate music study at the University of Central Arkansas for the fall, spring, or summer terms. Applicants are encouraged to begin the application process late in their junior year or early in their senior year of high school.

In addition to meeting the general requirements for admission to the University of Central Arkansas, students desiring to pursue a major or minor in music must submit an additional application and supporting data to the Department of Music.

## **Admission from High School**

1. Submit all general materials to the UCA Admissions Office.
2. Submit music application to Department of Music (forms available from Music Office, SFA 103).
3. Audition in the principal applied area. Early audition dates are encouraged. Audition requirements are sent to each applicant. A satisfactory audition is essential to determine acceptability to the department.
4. Audition for placement in piano. Piano proficiency is not required for admission. All students will be placed in an appropriate level of piano instruction. (Time and date of placement tests will be sent to all students who preregister.)
5. Complete the Basic Musicianship Evaluation, a brief test of rudimentary music skills. (Both the audition and the Basic Musicianship Evaluation are vital in the screening process; it is desirable that these take place on campus. This will permit personal interviews and opportunities for applicants to meet students and faculty and to familiarize themselves directly with UCA.)

## **Admission as a Transfer from Another College**

- 1-4. Same as admission from high school.
5. Examinations in theory and music literature/history are required for placement or verification of transfer credits in music courses.

## **Performing Organizations**

All music majors are required to participate in at least one music organization consistent with their degree plan during enrollment at the university, except in their student teaching semester. Woodwind, brass, and percussion majors will participate in the University Band. Percussion majors must also participate in the Percussion Ensemble. String majors will play in the University Symphony, and woodwind, brass, and percussion majors may also play with the symphony contingent upon audition. Keyboard majors may choose any ensemble or accompanying according to the requirements of their degree plan. Voice majors must participate in a vocal ensemble.

## **Recital Attendance**

All music majors are required to attend twenty recital programs per semester (10 general recitals plus 10 additional events). Attendance at these recitals is required for six semesters. Failure to meet minimum attendance requirements in any given semester will result in attendance at the additional required number in a subsequent semester.

## **Piano Skills Development**

All students enrolled as music majors are required to demonstrate their competence in keyboard skills. This requirement may be met by choosing one of the following options:

1. Completion of Piano Classes I-IV with a grade of "C" or higher will demonstrate achievement of the skills guidelines. (The final exam for Piano IV will be equivalent to the respective guideline statement for each area of emphasis. Piano IV may be repeated until the requirement is satisfied.)
2. Any student may be exempted from Piano Class I-IV by successfully demonstrating the skills contained in the guidelines for each level for which exemption is sought in a specially scheduled hearing before the piano proficiency committee.
3. All keyboard majors will complete requirements contained in the guidelines through participation in a weekly lab session during the freshman year. Non-keyboard majors with sufficient keyboard background to qualify may also complete the requirements through the lab session. (Admittance for non-keyboard majors is by a screening audition at the beginning of the school year.)

## **Jury Examinations**

At the end of each semester all music majors and minors are required to perform a jury examination in

each semester. During the senior year an individual, full length recital is required. However, at the discretion of the major professor and after consulting with the department chair, music education majors may give this recital jointly with another music major, or may substitute an alternative project. A bachelor of music candidate must, in addition to the senior recital, give a half recital during the junior year. Students planning recitals must confer early in the semester with the department chair.

## **Music Fees**

For individual instruction in piano, organ, voice, band, orchestral instruments, and piano class:

Two one-half hour lessons or one hour lesson per week, \$40.00 per semester

One-half hour lesson per week, or two class lessons per week, \$25.00 per semester

For practice facilities:

Piano, voice: \$4.00 per semester for the first daily practice hour, \$2.00 for each additional hour; \$2.00 per summer term of five weeks for the first two daily practice hours, \$2.00 for each additional hour.

Organ: \$8.00 per semester for the first daily practice hour, \$2.00 for each additional hour; \$3.00 per summer term of five weeks for the first practice hour; \$1.50 for each additional hour.

Orchestra and band instruments: \$3.00 per semester for the first daily hour of practice and \$1.00 for each additional hour; \$2.00 per summer term of five weeks for 2 hours of daily practice, \$1.00 for each additional hour.

## **Credit Hours in Applied Music**

Credit in applied music is computed as follows:

One semester hour credit - one-half hour lesson per week, six hours of practice per week

Two semester hours credit - one hour lesson or two half-hour lessons per week, twelve hours of practice per week.

Four semester hours credit - one hour lesson or two half-hour lessons per week, eighteen hours of practice per week (applicable to B.M. students).

## **BACCALAUREATE DEGREES**

### **Bachelor of Music Education Degree**

The degree of Bachelor of Music Education (B.M.E.) requires successful completion of 137 hours, including (1) General Education component and (2) degree requirements as listed below.

BME Keyboard majors must pursue a choral or an instrumental degree track.

Applied Music 19 hours

Major applied: 14 hours, Recital or Project: 1 hour:

Minor applied: 4 hours

Theory 23 hours

MUS 1230, 1231, 1232, 1233, 2430, 2431, 3210, 3230, 4300 or 4306

History and Literature 9 hours

MUS 1340, 3302, 3303

Pedagogy 9-11 hours

Vocal majors: 1141, 1142, 3305, 3306, 4160, 4201

Keyboard majors: MUS 1150, MUS 11V1, 3305, 3306, 4201, 4202

\*Instrumental majors: MUS 2150, MUS 11V1, 2170, 2180, 2199, 3305, 3304 or 3308, 4201

\*Instrumental majors must have one or two hours of Brass Class, and one or two hours of Woodwind Class. Brass majors will take two hours of woodwinds. Woodwind majors must have two hours of brasses. Percussion majors will take two hours of woodwinds and two hours of brasses.

During their sophomore year, candidates for this degree should contact the Department Chair and the UCA Certification Office for information concerning admission to and completion of a teacher certification program in music.

### **Bachelor of Music Degree**

The degree of Bachelor of Music requires successful completion of 138 hours, including (1) General Education component and (2) degree requirements as listed below.

Applied Music 36 hours

Major applied: 32 hours, Minor applied: 4 hours

Theory 25 hours

Music 1230, 1231, 1232, 1233, 2430, 2431, 3210, 3230, 3233, 4300 or 4306

History and Literature 11 hours

MUS 1340, 3302, 3303; Keyboard Majors: MUS 4203; Vocal Majors: MUS 4205

Pedagogy 2-4 hours

MUS 4201

Instrumental majors: MUS 4204

Keyboard majors: MUS 4202

Vocal majors: MUS 4160

Note: Vocal majors under the B.M. program must have one year each of two foreign languages. Vocal majors must also take MUS 1141 and 1142.

### **Electives\*:**

Vocal Emphasis: 6 hours, Instrumental Emphasis: 17 hours, Keyboard Emphasis: 14 hours

\*Every elective must be upper division and may be music courses or other courses of study.

### **Minor in Music (non-teaching)**

This minor is designed for students who wish to develop their competence in music, but who do not desire a professional preparation. Twenty-four credit hours are required to complete a minor in music.

Music Theory (8 hours)\*, Music Literature (3 hours), Applied Music (6-7 hours)\*\* , Ensemble (6-7 hours)\*\*\*

\*Entrance to Harmony I and Ear Training I is contingent upon the successful completion of a placement test or the successful completion of Music 1300, Fundamentals of Music.

\*\*For those who need piano for theory keyboard, 2 hours of piano class may be a part of the six hours in applied music.

\*\*\*Only one credit per semester may be used to fulfill this requirement.

**MASTERS DEGREES** - See Graduate Bulletin

## **Accreditation**

The Department of Music is a full member of the National Association of Schools of Music.

## **COURSES IN MUSIC**

### **Courses in Theory**

**1230 HARMONY I** Fundamentals of music, major and minor scales, key signatures, intervals, note values, and meter signatures. Part writing using primary and some secondary triads. Unsuccessful completion of the Fundamentals of Music entrance examination will require students to take Music 1300, Fundamentals of Music Theory. Fall.

**1231 EAR TRAINING I** Rhythmic reading, sight singing, ear training, dictation, and keyboard harmony. Fall.

**1232 HARMONY II** Continuation of Harmony I. Triads and seventh chords, non-harmonic tones, and modulations to closely related keys are studied. Melodies are harmonized and figured basses realized. Prerequisite: MUS 1230. Spring.

**1233 EAR TRAINING II** Sight singing, ear training, dictation, and keyboard harmony are continued. Prerequisite: MUS 1231. Spring.

**1300 FUNDAMENTALS OF MUSIC THEORY** Review of music fundamentals, including notation, keys, scales, intervals, meter, rhythm, melody, and harmony. Preparation for Harmony I. Credit earned in this course is in addition to that earned in required theory courses. Every semester, on demand.



**2430 THEORY III** Previous theory material is reviewed. Modally altered chords, secondary dominants, leading tone chords, and nondominant seventh chords are studied. Ear training, dictation, sight singing and keyboard harmony are correlated with four-part written harmony. Chorales of J.S. Bach are studied. Prerequisite: MUS 1230, 1231, 1232, 1233. Fall.

**2431 THEORY IV** Written harmony, ear training, sight singing, dictation, and keyboard harmony are continued. A study of the dominant ninth, eleventh, and thirteenth chords, as well as the diminished seventh, the Neapolitan sixth, augmented sixth chords, and other chromatic chords. Harmonic analysis of the music of the Classic, Romantic, Impressionistic and Contemporary periods. Prerequisite: MUS 1230, 1231, 1232, 1233, 2430. Spring.

**3210 COUNTERPOINT I** The principles of strict contrapuntal writing in two, three, and four voices. Some aural analysis as well as written work. Prerequisite: All previous theory courses. Fall, summer, on demand.

**3211 COUNTERPOINT II** Chorale preludes, canons, and fugues are studied. Prerequisite: MUS 3210. Spring.

**3230 FORM AND ANALYSIS I** Beginning with the phrase, the analysis of musical forms. Emphasis on the characteristics of the classic and romantic composers; analysis of Mozart and Beethoven sonatas. Prerequisite: All previous theory courses. Spring, on demand.

**3233 COMPOSITION** The composing of music for vocal and instrumental media, working from smaller to larger forms. Limited to students who demonstrate aptitude in the field. Prerequisite: All previous theory courses. Spring.

**4300 INSTRUMENTAL ARRANGING** Music arranged for band, orchestra, and small ensembles. Band and orchestral instruments are studied with regard to range, tonal quality, and best usage in scoring. Prerequisite: All previous theory courses. Fall.

**4306 CHORAL ARRANGING** Various aspects of choral writing, excluding the creation of the original musical idea, for adolescent through adult voices, acappella or accompanied. Prerequisite: All previous theory courses and previous choral experience. Fall.

## **History and Literature**

**1340 INTRODUCTION TO MUSIC LITERATURE** Introductory course in Music History and Literature primarily for freshman music majors and minors. Basic knowledge of styles and periods of music is stressed, along with listening techniques and the development of a framework upon which the Music ar, iof cinad theelopment o. R orT0 0aeoiCe wseTii Fal nd14r  
Prerequisite: Music 101. Relates music to the other arts, literature, and the social sciences. Every semester.



**2180 WOODWIND CLASS I** Teaching, maintaining, purchasing, and performing on woodwind instruments. Performance on all standard woodwind instruments. Emphasis on knowledge of the instruments, their literature, and pedagogy. Fall.

**2181 WOODWIND CLASS II** A continuation of Woodwind Class I. Spring.

**2199 PERCUSSION CLASS** Teaching, maintaining, purchasing, and performing on percussion instruments. Performance on all standard percussion instruments. Emphasis on knowledge of the instruments, their literature, and pedagogy. Spring.

**3304 ADMINISTRATION AND SUPERVISION OF INSTRUMENTAL MUSIC** The place, aim, and general method of instrumental music in the elementary and secondary school. Organization and administration of band and instrumental classes. Analysis of techniques of class instrumental instruction and familiarity with the best materials available for solo, ensemble, and large groups. One or more directed research problems. Spring.

**3305 MUSIC EDUCATION I** Philosophy, materials, techniques, and methods of instruction for a general music program in elementary school. Open to Music Education majors only. Fall.

**3306 MUSIC EDUCATION II AND CHORAL TECHNIQUES** Philosophy, materials, techniques, and methods of instruction in choral and general music courses in the junior and senior high school music program. Prerequisite: MUS 3305. Spring.

**3308 ORCHESTRAL METHODS & MATERIALS** Orchestral and string materials for beginning, intermediate, and advanced students in the public schools. Open to string majors and minors only. Fall.

**3392 MUSIC IN THE ELEMENTARY SCHOOL** Methods of instruction and materials available for use by classroom teachers in elementary school. Meets the requirements for state certification of classroom teachers. (Students with little or no background in music fundamentals are encouraged to enroll in MUS 2391.) Every semester.

**4115 BAND INSTRUMENT REPAIR** Proper care and the skill to handle minor and emergency instrumental repairs. Spring, summer.

**4160 VOCAL PEDAGOGY** The physiological and psychological aspects of voice teaching techniques considered from a historical, evolutionary, and comparative point of view. Diagnostic and corrective procedures. Offered fall semesters of odd numbered years.

**4200 SENIOR MUSIC SEMINAR** Historical, theoretical, pedagogical and practical considerations of the entire music curriculum. Comprehensive examination is given at the end of the semester. Prerequisites: MUS 1230, 1231, 1232, 1233, 1340, 2430, 2431, 3210, 3230, 3302, 3303, and one of the following: 3304, 3305, 3306, 3308. On demand.

**4201 CHORAL AND INSTRUMENTAL CONDUCTING** Basic conducting techniques. Study of various meters and styles. Reading of condensed and full score. Practical study of conducting problems with attention to varying demands of choral and instrumental conducting. Preparation for directing school bands, orchestras, and choruses. Fall.

**4202 PIANO PEDAGOGY** A survey of pedagogical methods and techniques for the beginning student. Emphasis will be placed upon practice teaching, observation, group techniques, and compilation of

annotated reference lists on pedagogical source material. On demand.

**4204 INSTRUMENTAL PEDAGOGY AND REPERTOIRE** Various types of instrumental literature are examined from the viewpoint of interpretation. Includes a survey of pedagogical materials and different schools of instrumental performance and instruction. Brass, percussion, strings, and woodwinds are covered. On demand.

**4206 MARCHING BAND TECHNIQUES** Program development and teaching methods as applied to the school marching band. Prerequisite: Senior level or graduate standing. Fall, summer.

## **SPECIAL COURSES**

## **11C1-41C8**

**THE UNIVERSITY SINGERS** A select group of mixed voices chosen by audition. Membership is limited. The group's aim is to present outstanding musical works. Rehearsals: Three hours per week. Each semester, summer on demand.

## **11H1- 41H8**

**BRASS CHOIR** A select ensemble of brass and percussion players which presents concerts each semester. A wide range of repertoire is explored, including transcriptions and original compositions from the Renaissance to the Twentieth Century. Emphasis is placed on the lyrical aspects of brass performance. Prerequisite: Approval of instructor. Fall, spring.

## **11J1-41J8**

**JAZZ ENSEMBLE** Performance course in big band and Dixieland Jazz styles. Three hours of rehearsal per week. Prerequisite: By audition with instructor. Fall, spring.

## **11M1-41M8**

**CHAMBER MUSIC** Performance course in which the repertoire of small keyboard, vocal, and instrumental ensembles will be studied, along with ensemble playing, interpretation, and coaching techniques. Selected chamber music, appropriate to performance levels of participants, is used. Rehearsals: Two hours per week. Prerequisite: Consent of the instructor. Every semester.

## **11S1-41S8**

**THE UNIVERSITY SYMPHONY** Includes string majors and minors as well as other qualified string players. A limited number of woodwind, brass and percussion positions filled by audition. Rehearsals: Three hours per week. Every semester.

**1151 ACCOMPANYING** Open to keyboard majors. Three hours per week of studio accompanying. Keyboard majors may take as many as four semesters of accompanying in lieu of an ensemble. Fall, spring.

**3110 OPERA WORKSHOP I** Preparation course for the production to take place during spring semester. Emphasis on technical, administrative and financial preparations. Open to anyone by consent of instructor. Fall.

**3111 OPERA WORKSHOP II** Presentation of opera production. Credit for onstage performance as well as offstage work. By audition or consent of instructor. Spring.

**4102 SENIOR RECITAL** This course represents the final applied music project for B.M. and B.M.E. majors. A public recital (suggested minimum duration, B.M. - 45 minutes; B.M.E. - 30 minutes) will be evaluated by a faculty jury. The program will include program notes prepared by the student. Prerequisite: Completion of junior level applied study and approval of the applied teacher. Fall, spring.

## **11L1-11L2, 12L1-12L2**

**VIOLONCELLO (B.M.E.) 14L1-14L2 VIOLONCELLO (B.M.)** Major and melodic minor scales, two and three octaves. Tonic triad arpeggios. Various technical studies. Sonatas by Handel, Sammartini;

concertos by Golterman or Romberg; Bach's solo suites and other selected solo pieces.

### **21L3-21L4, 22L3-22L4**

**VIOLONCELLO (B.M.E.) 24L3-24L4 VIOLONCELLO (B.M.)** Major and minor scales and arpeggios in three and four octaves with varied bowing and rhythms. Various technical studies. Sonatas by Beethoven, Concertino in D minor by Romberg, solos by eighteenth, nineteenth and twentieth century composers.

### **31L5-31L6, 32L5-32L6**

**VIOLONCELLO (B.M.E.) 34L5-34L6 VIOLONCELLO (B.M.)** Major and minor scales and arpeggios in four octaves, broken thirds and octaves. Studies by Servais and others, continuation of Bach suites, sonatas by Beethoven, Tartini Concerto in D minor, and selected contemporary works.

### **41L7-41L8, 42L7-42L8**

**VIOLONCELLO (B.M.E.) 44L7-44L8 VIOLONCELLO (B.M.)** Continuation of previous work in scales and arpeggios. Studies by Piatti and others, continuation of Bach suites, sonatas by Beethoven, Brahms, Grieg, and Barber, concertos by Saint-Saëns and Boccherini and selected solos from eighteenth, nineteenth, and twentieth century repertoire. Recital appearance.

## **Courses in Contrabass**

### **11T1-11T2, 12T1-12T2**

**CONTRABASS (B.M.E.) 14T1-14T2 CONTRABASS (B.M.)** Major and minor scales. Studies from Simandel and selected solo pieces. Fall, spring.

### **21T3-21T4, 22T3-22T4**

**CONTRABASS (B.M.E.) 24T3-24T4 CONTRABASS (B.M.)** Major and minor scales with varied bowings and rhythms. Studies, selected sonatas, and short pieces. Fall, spring.

### **31T5-31T6, 32T5-32T6**

**CONTRABASS (B.M.E.) 34T5-34T6 CONTRABASS (B.M.)** Major and minor scales. Studies by Michaelis, selected sonatas, short pieces and a concerto. Fall, spring.

### **41T7-41T8, 42T7-42T8**

**CONTRABASS (B.M.E.) 44T7-44T8 CONTRABASS (B.M.)** Continuation of previous work in scales and bowings. Selected solos from eighteenth, nineteenth, and twentieth century repertoire. Recital appearance. Fall, spring

## **Courses in Piano**

1131-1132

**VOICE (B.M.E.) 14V1-14V2 VOICE (B.M.)** Diaphragmatic breathing, correct posture, work in diction, phrasing, interpretation, simple exercises; using pure vowels as found in the Italian language; all combinations of consonants and vowels; vocalizing and arpeggios, slow scales, etc. The memorizing of simple songs in English.

**21V3-21V4, 22V3-22V4**

**VOICE (B.M.E.) 24V3-24V4 (B.M.)** Work on scales, and arpeggios to gain flexibility. Continued work in diction. Simple arias are studied and memorized.

**31V5-31V6, 32V5-32V6**

**VOICE (B.M.E.) 34V5-34V6 (B.M.)** Additional technical work such as staccato scales, staccato and legato arpeggios, and trills. More difficult songs studied and memorized.

**41V7-41V8, 42V7-42V8**

**VOICE (B.M.E.) 44V7-44V8 VOICE (B.M.)** Work on advanced technique and repertoire.

## **Courses in Violin**

**11N1-11N2, 12N1-12N2**

**VIOLIN (B.M.E.) 14N1-14N2 VIOLIN (B.M.)** Selected technical studies. Major and minor scales in two octaves. Concertos of Accolay and Nardini, as well as shorter works selected by the instructor.

**21N3-21N4, 22N3-22N4**

**VIOLIN (B.M.E.) 24N3-24N4 VIOLIN (B.M.)** Selected etudes from Kreutzer. Major and minor scales in three octaves. Selected pieces and sonatas by Handel and Vivaldi.

**31N5-31N6, 32N5-32N6**

**VIOLIN (B.M.E.) 34N5-34N6 VIOLIN (B.M.)** Selected studies from Fiorillo. Scales in octaves, thirds, and sixths. Selected works from the standard violin repertoire. Works of Mozart, Beethoven, and Corelli.

**41N7-41N8, 42N7-42N8**

**VIOLIN (B.M.E.) 44N7-44N8 VIOLIN (B.M.) Etudes,** scales and arpeggios. Several short pieces from the Classic, Romantic, and Modern periods. One concerto from the standard repertoire.

## **Courses in Viola**



## **11E1-11E2, 12E1-12E2**

**VIOLA (B.M.E.) 14E1-14E2 VIOLA (B.M.)** Selected technical studies. Major and minor scales in two octaves. Sonatas by Graun, Marcello as well as shorter works selected by the instructor.

## **21E3-21E4, 22E3-22E4**

**VIOLA (B.M.E.) 24E3-24E4 VIOLA (B.M.)** Selected studies by Kayser and Kreutzer. Major and minor scales in three octaves. Selected pieces and sonatas by Handel and Telemann.

## **31E5-31E6, 32E5-32E6**

**VIOLA (B.M.E.) 34E5-34E6 VIOLA (B.M.)** Selected studies by Fiorillo, Fuchs, and orchestral studies from the symphonic repertoire. Selected compositions from the standard repertoire. Works of Stamitz, Handel, and Hindemith.

## **41E7-41E8, 42E7-42E8**

**VIOLA (B.M.E.) 44E7-44E8 VIOLA (B.M.)** Major and minor scales and arpeggios. Suites by J.S. Bach. A concerto from the standard repertoire. Several short pieces from the Classic, Romantic, and Modern periods.

## **Courses in Organ**

### **11G1-11G2, 12G1-12G2**

**ORGAN (B.M.E.) 14G1-14G2 ORGAN (B.M.)** Manual technique (organ, legato, repeated notes, finger substitution, glissando); pedal techniques; manual studies; Bach Eight Little Preludes and Fugues, elementary hymn playing.

### **21G3-21G4, 22G3-22G4**

**ORGAN (B.M.E.) 24G3-24G4 ORGAN (B.M.)** Pedal scales, Bach Prelude and Fugue in E Minor (Cathedral), Fugue in G Major, Fugue in G minor, selected chorale preludes from the liturgical year. Other selected studies, solos and appropriate service music.

### **31G5-31G6, 32G5-32G6**

**ORGAN (B.M.E.) 34G5-34G6 ORGAN (B.M.)** Bach Toccata (Dorian), Prelude and Fugue in B minor, Toccata and Fugue in D minor, and other representative works.

### **41G7-41G8, 42G7-42G8**

**ORGAN (B.M.E.) 44G7-44G8 ORGAN (B.M.)** Bach Toccata (Dorian), Prelude and Fugue in A major, Second Sonata, Prelude and Fugue in A minor, Prelude and Fugue in E Minor (Wedge), selected chorale preludes; Franck Prelude and Fugue and Variation, Piece Heroique; Mendelssohn, Sixth Sonata, and other representative works.

## **Courses in Woodwinds**

**11W1-41W8, 12W1-12W2, 22W3-22W4, 32W5-32W6, 42W7-42W8 WOODWINDS (B.M.E), 14W1-14W2, 24W3-24W4, 34W5-34W6, 44W7-44W8 WOODWINDS (B.M.)** During the eight semesters, the student will learn all major and minor scales and arpeggios. Suitable etudes and solo material will be studied.

## **Courses in Brass**

**11A1-11A2, 12A1-12A2, 22A3-22A4, 32A5-32A6, 42A7-42A8 BRASS (B.M.E.) 14A1-14A2, 24A3-24A4, 34A5-34A6, 44A7-44A8 BRASS (B.M.)** During the eight semesters the student will learn all major and minor scales and arpeggios. Suitable etudes and solo material will be studied.

## **Courses in Percussion**

**11U1-11U2, 21U3-21U4, 31U5-31U6, 41U7-41U8, 12U1-12U2, 22U3-22U4, 32U5-32U6, 42U7-42U8, PERCUSSION (B.M.E.) 14U1-14U2, 24U3-24U4, 34U5-34U6, 44U7-44U8 PERCUSSION (B.M.)** Development in all phases of performance-technic, style, musicianship, interpretation, and repertoire.

## **Courses in Guitar**

**11R1-11R2, 21R3-21R4, 31R5-31R6, 41R7-41R8, 12R1-12R2, 22R3-22R4, 32R5-32R6, 42R7-42R8 GUITAR (B.M.E.) 14R1-14R2, 24R3-24R4, 34R5-34R6, 44R7-44R8 GUITAR (B.M.)** Development in all phases of performance-technic, style, musicianship, interpretation, and repertoire.

## **Courses in Dance (By consent of the instructor)**

**11D1-11D2, 21D3-21D4, 31D5-31D6, 41D7-41D8**

**DANCE I, II BALLET**

# **SPEECH, THEATRE, and MASS COMMUNICATION**

**Chair:** Dr. Robert Willenbrink, 450-3162

## **PURPOSES**

Study in the department incorporates four areas: speech communication, theatre, telecommunications, and journalism -- each contributing toward a general goal of developing the student as a human being, citizen, and artist. Specifically, the department encourages capable students to enter the professional fields, including teaching and graduate study.

**PROGNj 14Mtelecommunications,**

Students majoring in Mass Communication must develop satisfactory computer skills within their first year at the university. Students selecting the emphasis in Journalism should be proficient in the use of a 35mm camera before they graduate.

It is strongly recommended that Mass Communication students take more than the minimum requirements in economics, political science, history and/or sociology.

## **FACILITIES**

Appropriate facilities support each program area of the department. Mass Communication has a 5,000-watt radio station, a television studio production facility, three electronically equipped newsrooms, production areas and photographic darkrooms. The theatre facilities include a 300-seat proscenium theatre, a 150-seat laboratory theatre, and a well-equipped technical area.

## **THE HONORS PROGRAM IN SPEECH, THEATRE, AND MASS COMMUNICATION**

## **Bachelor of Arts/Bachelor of Science in Speech And Theatre**

The degrees of Bachelor of Arts or Bachelor of Science with an emphasis in Speech Communication or Theatre requires the successful completion of 124 hours, including 1) General Education component (p.);

## **Major - 40 Hours**

### **Journalism Emphasis**

In addition to university requirements and the program core twelve (12) hours, students will take MCOM 2300, MCOM 2305, MCOM 3300, MCOM 3304. Students will complete twelve (12) hours of electives from MCOM 2301, MCOM 2302, SPTA 2332, MCOM 2334, MCOM 3305, MCOM 3306, MCOM 3307, MCOM 3310, MCOM 3323, MCOM 3365, MCOM 4301, MCOM 4313, MCOM 4314, MCOM 4323, MCOM 4331, MCOM 4333, SPTA 4330. In addition to these courses, students are required to complete a minimum of four (4) one-hour courses in Print Media Applications at the appropriate level..

### **Telecommunications Emphasis**

In addition to university requirements and the program core twelve (12) hours, students will take MCOM 1363, MCOM 2366 and MCOM 3365. Students will complete fifteen (15) hours of electives from MCOM 2301, MCOM 2300, MCOM 2302, MCOM 2305, SPTA 2331 (or SPTA 3332), SPTA 2332, MCOM 3307, MCOM 3323, MCOM 3363, MCOM 3364, MCOM 4313, MCOM 4314, MCOM 4315, MCOM 4323, SPTA 4330. In addition to these courses, students are required to complete a minimum of four (4) one-hour courses in Electronic Media Applications at the appropriate level.

### **Speech Minor - 26 Hours**

Students seeking a minor in Speech are required to complete SPTA 1310 and SPTA 1370, and SPTA 2310, and at least two (2) hours of Intercollegiate Forensics. The remaining fifteen (15) hours are to be selected in consultation with a departmental adviser from courses listed under the emphasis areas of speech or theatre.

### **Theatre Minor - 26 Hours**

Students seeking a minor in Theatre are required to complete SPTA 1350, SPTA 1370, SPTA 2331 and SPTA 2390, and at least two (2) hours of Theatre Production and Performance. The remaining twelve hours are to be selected in consultation with a departmental adviser from courses listed under the theatre emphasis area.

### **Mass Communication Minor - 26 Hours**

Students seeking a minor in Mass Communication are required to complete MCOM 1300, MCOM 1334,



Students seeking teaching endorsements in Speech and Theatre should consult their advisers.

## **Bachelor of Science in Education in Journalism**

### **Major - 40 Hours**

Students seeking the Bachelor of Science in Education degree must fulfill the course requirements of the journalism emphasis, except that MCOM 4350 is substituted for three (3) hours of electives.

### **Minor - 26 Hours**

The student seeking a B.S.E. journalism minor must complete MCOM 1300, 2300, 3300, 3301, 3304, and 4350, and six (6) hours of elective credit from MCOM 1321, 1322, 2302, 2323, 2334, 2364, 3305, 3307, 3310, 4301, 4313, 4323, 4331, 4333. In addition, the student must complete two (2) one-hour courses in Print Media Applications.

**NOTE: Courses may not be used to satisfy more than one departmental requirement.**

## **COURSES IN SPEECH COMMUNICATION AND THEATRE**

### **11D1-41D1**

**INTERCOLLEGIATE FORENSICS** Students enrolled will be required to participate in formal speech and forensic activities. This may include being a member of the forensic travel squad. Areas of participation include: oral interpretation, oratory, extemporaneous speaking, and debate. Each level may be repeated for a total of two (2) hours credit each. Fall, spring.

### **1122-4122**

**THEATRE PRODUCTION AND PERFORMANCE** Practical experience in theatre production and performance. Each level may be repeated for a total of two (2) hours credit each. Fall, spring, summer.

**1131 PRACTICAL PARLIAMENTARY PROCEDURE** Basic elements of parliamentary rules applied in practice sessions. Leadership and participation in group meetings in ordinary situations of daily life. On demand.

**1300 BASIC ORAL COMMUNICATION** Study, application, and evaluation of principles of organization, evidence, reasoning, critical thinking, verbal and nonverbal behavior, interpersonal communication, public speaking, and small group interaction in the oral communication setting. The emphasis will be on meeting the individual needs of students through individualized instruction utilizing communication experiences. Fall, spring, summer.

**1310 BASIC SPEECH** Theory of oral communication and skills in oral communication contexts commonly encountered including group communication and public speaking. Fall, spring.

**1350 INTRODUCTION TO THEATRE** Examination of the structure of the theatrical experience from the viewpoints of performance, production and audience. Fall, spring.

**1370 VOICE AND PHONETICS** Introduction to the use of a phonetic alphabet, study of the processes of vocal production, and recognition of controllable elements in speech. Drill work for improvement of pronunciation and articulation control. Required of all majors and minors. Not a course in public speaking. Fall.

**2300 THEATRE APPRECIATION** Awareness and appreciation of theatre art and its place in contemporary human culture. Incorporates study of theatrical styles, history, theory and practice utilizing live and recorded performances. May not be credited toward a major or minor in theatre. Fall, spring, summer.

**2302 ARGUMENTATION AND DEBATE** Communication behavior requiring the use of evidence and reasoning to support positions. Communication contexts ranging from speeches of advocacy to formal debate. Prerequisite: SPTA 1300 or 1310. Fall.

**2310 ADVANCED PUBLIC ADDRESS** A performance course aimed at developing a level of excellence in different types of public address. Includes advanced study of analysis of subjects, selection and arrangement of materials, audience adaptation, and oral style. Students meet a wide variety of speaking situations. Prerequisite: SPTA 1300 or 1310 or consent of instructor. Spring, odd years.

**2311 BUSINESS AND PROFESSIONAL SPEAKING** This course will focus on how people use speech communication skills in business and professional settings. It will survey modern theory as well as listening, negotiation, influencing others, instructional communication, and barriers to effective business and professional speaking. The course is both theory and performance based, and students will make several presentations. Prerequisite: SPTA 1300 or 1310 or consent of instructor. Spring, even years.

**2320 STAGE MAKE-UP** Techniques and principles of makeup for the theatre. Emphasis is on character makeup and the effects of light, shade and color on the face. Opportunities for realization of designs in UCA theatre productions. Spring.

**2331 STAGECRAFT** Basic elements of the theatrical setting leading to competency in the procedures involved in the construction, painting and dressing of scenery, and the utilization of the theatre building. Fall.



or consent of instructor. Spring, odd years.

**3324 DRAMATIC THEORY AND LITERATURE** Readings in classical and contemporary dramatic theory and literature. Fall, odd years.

**3325 THEATRE HISTORY** Historical survey of theatre from origins to the present. The course includes study of architecture, theatrical conventions, acting styles and noted theatre artists. Spring, even years.



**1321 PHOTOGRAPHY I** Beginning course in theoretical applied aspects of photography. Includes study of cameras, optics, photographic materials and techniques, darkroom procedures, and elements of

determined by individual student need. Prerequisite: Consent of instructor. On demand.

**3300 ADVANCED REPORTING** Continued development of reporting skills through the study of specialized beats, including city, county and state government. Involves study of the organization and functions of state and local government. Students should be available for off-campus assignments. Prerequisite: MCOM 2300. Fall, Spring.

**3301 MEDIA LAW AND ETHICS** Legal boundaries within which print and electronic professionals must operate and ethical issues to media careers. Prerequisite MCOM 1300 or consent of instructor. Fall.

**3304 NEWS EDITING I** Copy editing theory, with supervised practice in editing copy and writing headlines. Prerequisite: MCOM 2300 or consent of instructor. Fall, spring.

**3305 PUBLICATION DESIGN AND MAKEUP** Use of type faces, photographs, and related elements in achieving effective page makeup. Emphasis on newspaper, magazine, brochure, pamphlet, and advertising production. Prerequisite: MCOM 2300 or consent of instructor. Fall.

**3306 NEWSPAPER DESIGN AND MAKEUP II** Continues coverage of material in MCOM 3305. On demand.

**3307 MEDIA THEORY AND RESEARCH** Theories concerning the effects of mass media and media-related research techniques and finding. Prerequisite: MCOM 1300 or consent of instructor. On demand.

**3310 WRITING FOR PUBLIC RELATIONS** Written aspects of public relations, including press releases, leaflets, newsletters, and magazines. Basic concepts and practices for public relations practitioners and functions of public relations. Prerequisite: MCOM 2300 or consent of instructor. Fall, even years.

**3323 DOCUMENTARY MEDIA** History, theory, and practice of social documentary approaches to film, videotape, and photography. Course critically examines documentary as historical record, art form, and force for social change. Prerequisite: MCOM 1300. Fall, odd years.

**3363 ADVANCED AUDIO TECHNIQUES** This course provides in-depth study and practice of advanced audio production techniques. Students will further develop skills in radio production as well as audio production techniques for video, film, dramatic presentations, music, and multi-media. Prerequisite: MCOM 1363 or consent of instructor. Spring, odd years.

**3364 ADVANCED VIDEO TECHNIQUES** This course is designed to encourage the student to develop proficiency in advanced production processes used in the planning, execution, and construction of video segments. The primary activity in the course will be the application of these processes in video post-production and field production projects. Prerequisite: MCOM 2366 (grade of C or better or consent of instructor). Fall.

**3365 BROADCAST MANAGEMENT** The role of the manager in broadcast production, economics, advertising and regulation. Prerequisite: SPTA 1362 or consent of instructor. Spring.

**4301 NEWS EDITING II** Editing copy for publication. Prerequisite: MCOM 3304 or consent of instructor. On demand.

**4313 WRITING FOR ELECTRONIC MEDIA** Seminar in writing creative material and commercial copy for electronic media. All types of continuity news and dramatic material will be included. Prerequisite: MCOM 1362. Spring, even years.

**4314 MEDIA CRITICISM** The course introduces to students to the theory and practice of media criticism intended for various audiences, including consumer-oriented criticism, social criticism, and scholarly criticism. Spring, even years

**4315 DIRECTING AND PRODUCING FOR THE ELECTRONIC MEDIA** This course acquaints the student with the roles of the director and producer in video production. The course will demonstrate how one assumes the role of media producer and the concepts and procedures necessary for the successful supervision of an electronic media project from the idea stage to completion. Prerequisite: MCOM 3364 (With a grade of C or better or consent of instructor). Fall, even years.

**4323 SEMINAR IN MASS COMMUNICATION** Various topics relevant to media careers. Prerequisite: Consent of instructor. On demand.

**4331 PUBLIC AFFAIRS REPORTING** In-depth reporting on public issues, including some reporting for publication. The course undertakes the techniques of investigative and computer-assisted reporting. Students should be available for off-campus assignments. Prerequisite: MCOM 3300. Spring.

**4333 WRITING EDITORIALS AND REVIEWS** Various approaches to teaching persuasive writing, with final products including newspaper editorials, opinion columns, and reviews of movies, television programs, stage plays and books. Prerequisite: MCOM 3300 or consent of instructor. Fall, odd years.

**4350 DIRECTING SCHOOL PUBLICATIONS** Prepares students to supervise school newspapers and yearbooks. Includes policy formulation, and direction of students in editing and business management. Newspaper or yearbook emphasis. Prerequisite: MCOM 2300 or consent of instructor. On demand.

**3221, 3321**

**COMMUNICATION INTERNSHIP** See SPTA 3221, 3321

**4367 FIELD EXPERIENCE IN COMMUNICATION** See SPTA 4367

**4370 SPECIAL PROBLEMS** See SPTA 4370



# COLLEGE OF HEALTH AND APPLIED SCIENCES

**DEAN:** Dr. Neil Hattlestad, 450-3122 **ASSISTANT DEAN:** Dr. Jimmy Ishee, 450-3123

The College of Health and Applied Sciences offers programs leading to careers in a broad range of professions. An effective blend of liberal arts education and in-depth study in the major empowers graduates for effective service as leaders in their professions and communities. Throughout all classroom, laboratory, and clinical experiences, students are reminded that as professionals, each person they serve is unique and worthy of their best effort.

The college consists of the following departments:

Family and Consumer Sciences Occupational Therapy

Health Sciences Kinesiology/Physical Education

Physical Therapy Military Science

Speech-Language Pathology Nursing

## **Curricula**

### **Associate of Applied Science**

Child Care Management

Physical Therapist Assisting

### **Bachelor of Science**

Health Education Kinesiology

Health Sciences Nuclear Medicine Technology

Family and Consumer Sciences Nutrition/Dietetics

Interior Design Physical Therapy

Radiography Medical Technology

Respiratory Therapy Occupational Therapy

Speech-Language Pathology

### **Bachelor of Science Education**

Health Education

Home Economics Education

Kinesiology and Physical Education

### **Bachelor of Science in Nursing**

### **Master of Science**

Health Education

Family and Consumer Sciences: nutrition/dietetics, clothing, textiles and fashion

Kinesiology: exercise science, pedagogy, sport leadership

Occupational Therapy: advanced master's degree education, management and clinical role emphases

Physical Therapy: entry-level masters degree, advanced masters degree

Speech-Language Pathology

### **Master of Science in Nursing**

Advanced Nursing Practice

**SPECIAL PROGRAMS**

Fitness Center

Military Science

# **FAMILY & CONSUMER SCIENCES**

**Chair:** Dr. Mary Harlan, 450-5959

## **PURPOSES**

The Family & Consumer Sciences programs at the baccalaureate and master's levels are relevant to the concerns of today's world and are designed to prepare professionals for employment in broad career options. Graduates are employed in business, education, industry, government, community agencies and other organizations.

The focus of family and consumer sciences is on the individual, the family, and the interplay between families and their changing social and physical environments. The curriculum provides professional preparation built upon an interdisciplinary knowledge base drawn from research in family and consumer sciences; the arts; and the biological, physical, and social sciences.

Certification for teaching vocational family and consumer sciences in secondary schools is earned with the BSE degree. The BS degree in family and consumer sciences has three options. The student may select a specialization in interior design, dietetics, or general family and consumer sciences.

The Master of Science degree in family & consumer sciences has three specialization tracks including nutrition and foods, clothing, textiles and fashion, and family and consumer sciences. The graduate student may select the thesis or non-thesis option.

## **THE HONORS PROGRAM IN FAMILY & CONSUMER SCIENCES**

Junior and senior students majoring in family and consumer sciences who demonstrate exceptional interest and ability may be invited to enter the honors program. This program is designed to introduce the student to research methods in one of the specialization areas of family and consumer sciences. In addition to the planned curriculum, the student will enroll in FACS 4301, Research in Family and Consumer Sciences, and will conduct an investigation of a topic approved by the instructor. The resulting research paper will be evaluated by at least three members of the FACS faculty.



component (p.); 3) Family and Consumer Sciences requirements; 4) Supporting requirements; 5) Minor as planned with student's minor advisor.

### **Dietetics Specialization - 44 Hours**

Major Requirements: FACS 1300, 2310, 2311, 2320, 2351, 3250, 3311, 3351, 3370, 3372, 3380, 4301, 4321, 4325, 4374.

Supporting Requirements to meet the academic requirements of the American Dietetic Association: PSYC 1300 and 2330; KPED 2395 or BMED 4325; ADSE 3456; CHEM 1402, 1403 or 2440 and 3300, SOC 1300; MGMT 2341; BIOL 2405, and 2411 or substitutes with the approval of the department chair. A minor is not required for the dietetics emphasis.

Eligibility to take the Registration Exam of the American Dietetic Association requires the B.S. degree plus completion of an approved internship or pre-professional practice program (AP4). Contact the department chair for further information.

### **DIETETIC INTERNSHIP**

The Dietetic Internship is a supervised dietetic practice and study program approved by the American Dietetics Association. The dietetic internship meets performance requirements for eligibility to write the ADA registration exam to become a registered dietitian. The internship is to be completed in two summers. Summer I includes eleven weeks of instruction in community nutrition and administrative dietetics. Summer II includes twelve weeks in therapeutic nutrition. Practice sites include various health care facilities in the central Arkansas area.

#### **Dietetic Internship Entrance Requirements**

- Baccalaureate Degree
- Statement of certification regarding completion of American Dietetic Association approved didactic program in dietetics.
- Official transcript(s) of course work from all colleges and universities attended.
- Minimum of 3.0 GPA (on a 4.0 scale).
- Work experience in nutrition related area.

- Completed dietetic internship application including letter of application and three references postmarked by February 15.

### **Interior Design Specialization - 45 Hours**

Major Requirements: FACS 1300, 2351, 2360, 2390, 2391, 3300, 3315, 3325, 3335, 3340, 3341, 4301, 4305, and 4600.

Supporting Requirements: ART 1310, 1321, 2312, 2335, and 2336; TECH 2375, and 3360; three hours selected from the following: ART 3301, 3334, 3342, 3343, 3350. A minor is not required for the Interior Design Specialization.

### **General Family and Consumer Sciences - 41 Hours**

Major Requirements: FACS 1300, 1370, 2310, 2321, 2351, 2360, 2380, 2390, 3300, 3311, 3318, 3370, 3372 or substitute courses with approval of the department chair.

Supporting Requirements: ART-3 Hours, BIOL 2411

### **Minor in Family and Consumer Sciences - 18 Hours**

Eighteen hours of family and consumer sciences, three hours of which must be upper-division, may be selected from various areas of family and consumer sciences and approved by the department chair.

The minor is offered for students who desire family and consumer sciences for cultural and personal value or for supporting work for a related major.

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN FAMILY & CONSUMER SCIENCES**

## **Nutrition and Food Sciences Courses**

**1300 NUTRITION IN THE LIFE CYCLE** Principles and application of nutrition information to everyday living. Fall, spring.

**2310 FOOD SCIENCE** Basic scientific principles applied to food preparation and an analysis of nutritional value, cost, and service of food. Fall.

**2311 MEAL MANAGEMENT** Planning, buying, preparing, and serving family meals, food for special occasions and entertaining. Spring.

**3250 COMMUNITY NUTRITION** Cultural and scientific aspects of food and nutrition as applied to the individual and community. Fall.

**3351 EXPERIMENTAL FOOD SCIENCE** Physical and sensory evaluation in experimentation with properties of fats, carbohydrate mixtures, protein foods, and spices. Prerequisite: H EC 2310 and CHEM 1403 or equivalent. Fall.

**3370 ADVANCED NUTRITION** Nutritive needs of the individual with emphasis on the roles of nutrients in the body. Family nutrition and the periods of pregnancy and lactation, infancy, childhood, adolescence, and adulthood are included. Prerequisite: H EC 1300, CHEM 1403 or consent of instructor. Fall.

**3380 FOOD ECONOMICS** Problems confronting the consumer in regard to quantity, quality, processing methods, intended use, and cost. Attention is given to methods of food preservation, preparing food in quantity, organization, and evaluation. Prerequisite or co-requisite: H EC 2310 and BIOL 2411. Fall.

**4321 NUTRITIONAL SERVICES ADMINISTRATION** Food Service operations relating to management principles, methods of control, sanitation and safety and training of food service personnel. Prerequisite: MGMT 2341 or equivalent. Spring.

**4325 MEDICAL NUTRITION THERAPY** Nutrition as a medical specialty is emphasized from the perspectives of disease prevention and treatment, including nutritional assessment, patient interviewing strategies, medical terminology, and charting techniques. Prerequisite: FACS 3370. Fall.

**4374 NUTRITION IN DISEASE** Dietary treatment of nutritional problems in disease states. Prerequisite: H EC 4325. Spring.

**4395 NUTRITION: CONTEMPORARY ISSUES** Nutritional needs of individuals, the influence of nutrition on physical appearance and performance and controversial issues affecting dietary health. On demand.

## **Textiles and Clothing Courses**



**1370 CLOTHING CONSTRUCTION** Fundamental principles of clothing construction and fitting of garments using commercial patterns. Fall.

**2360 TEXTILES** Fundamental weaves, yarns, fibers, colors, and finishes with reference to selection of fabrics for clothing and home furnishings. Fall.

**2380 ADVANCED CLOTHING CONSTRUCTION** Planning clothing needs of the individual or family. Design and construction of garments from synthetic and wool fabrics. Prerequisite: H EC 1370. On demand.

**3360 CONSUMER PROBLEMS IN CLOTHING** Sociological, psychological and economic aspects of clothing selection; wardrobe management; professional image and apparel evaluation. Spring.

**3361 TAILORING** Tailoring techniques in hand tailoring and machine tailoring of garments from synthetic and wool fabrics. Prerequisite: H EC 2380. On demand.

### **Child and Family Life Courses**

**1331 CHILD CARE CURRICULUM** Planning techniques, equipment, supplies, and use of materials for working with children ages two months to five years. On demand.

**2301 ADMINISTRATION OF CHILD CARE** Administration and organization of child care for young children, ages two months through five years. Emphasis is on purchasing equipment and supplies, supervision of personnel, program planning, directing work with children and working with parents. On demand.

**2320 CHILD DEVELOPMENT I** The physical, mental, social, and emotional development and behavior of infants and toddlers. Observation and participation in the preschool. Fall.

**2321 CHILD DEVELOPMENT II** Continued study of the young child through adolescence emphasizing the causes and effects of behavior, development of personality, parent-child relations, child care, and research in child development. Directed observation required. Prerequisite: H EC 2320. Spring.

**2322 CHILD CARE FOR THE DISADVANTAGED/HANDICAPPED CHILD** Characteristics of disadvantaged/handicapped children and programming techniques in child care facilities. On demand.

**2351 FAMILY RELATIONS** Current development in issues confronting the family including study of marriage, and single, group, and family living through stages of the family life cycle. Fall, spring.

**2401 INTERNSHIP IN CHILD CARE MANAGEMENT** Supervised work experience with an established day care administrator under the supervision of a UCA faculty member. Prerequisite: H EC 1331 and H EC 2301. On demand.

**3318 PARENT ISSUE** Basic principles and skills for parent effectiveness. Application of fundamental

tasks and issues in childrearing to unique characteristics and developmental stages of children. Spring.

### **Consumer Education, Equipment, and Resource Management Courses**

**3311 RESOURCE MANAGEMENT** Decision-making process and management principles applied to consumer activities. Observation and analysis of diverse family practices. Prerequisite: H EC 2310 or permission of instructor. Fall, spring.

**3371 EQUIPMENT AND DEMONSTRATION TECHNIQUES** Selection, care, and use of appliances and small equipment. On demand.

**3372 CONSUMER EDUCATION** Consumer problems related to management of family resources and the role of family and consumer sciences in helping families manage personal finances. Spring.

### **Family and Consumer Sciences Education**

#### **ADSE**

**3456 METHODS IN VOCATIONAL FAMILY AND CONSUMER SCIENCES** Directed observation and participation in programs of the public schools as a basis for curriculum planning and techniques of teaching. Prerequisite: Admission to teacher education. Spring.

**4310 OCCUPATIONAL FAMILY AND CONSUMER SCIENCES EDUCATION** Occupational specific vocational programs. Field experience in home and community service occupations. On demand.

**4355 METHODS AND MATERIALS IN VOCATIONAL FAMILY AND CONSUMER SCIENCES** Community programs, adult programs, student organization, extended learning experiences, the public relations program and the development of curriculum and teaching materials. Prerequisite: ADSE 3456. Fall.

**4360 EVALUATION** Principles and methods of measurement and evaluation of student development in secondary school. On demand.

### **Interior Design Courses**

**2390 INTRODUCTION TO INTERIOR DESIGN** Application of design fundamentals to elementary problems of interior design. Fall, spring.

**2391 INTERIOR DESIGN STUDIO** A studio course for the exploration and application of design methodology to interior environments. Prerequisite: FACS 2390 or consent of instructor. Spring.

**3300 HOME PLANNING** The planning of a home; analysis of environmental and economical resources; and a study of architectural styles. Prerequisite: FACS 2390. Spring.

**3315 RESIDENTIAL INTERIOR DESIGN** Studio course. Advanced studies in furniture selection and arrangement, textiles, antiques and accessories, space distribution and personalized consideration involved with client needs: applied graphic communications and exploration of problem solving process. Prerequisite: FACS 2390, ART 1310 and 1321. Fall.

**3325 COMMERO18L INTE916R DESIGN**

# **HEALTH SCIENCES**

**Chair:** Dr. Emogene Fox, 450-3194

## **PURPOSES**

The basic aims of the Department of Health Sciences are to (1) contribute to the general health promotion and education of all students and (2) provide advisement/counseling, comprehensive professional preparation, and foundation courses designed to prepare students for careers as health-care professionals, health educators, health promotion directors and coordinators in private or community settings.

## **BACCALAUREATE DEGREES**

### **Bachelor of Science - Community Health**

The Bachelor of Science degree with a major in community health education requires successful completion of 124 hours, including: 1) General Education component, (p.); 2) Degree Requirements, (p.); 3) Major courses as listed below; and 4) a minor as selected by the student.

**Note:** Admission to the Bachelor of Science degree program, with a major in community health education, requires an overall GPA of 2.3 (on a 4.0 scale). However, enrollment in Health Sciences Internship (HSCI 4600) requires an overall GPA of 2.5.

### **Major in Health Education**

**Health Education Requirements 36 hours**

HED 3300, 3301, 3320, 4300, 4331, 4370, HSCI 4600 and twelve hours to be selected from the following and approved by the major advisor; HED 2201, 2202, 2320, 3101, 3315, 4301, 4302, 4303, 4312, 4343.

**Related Requirements 11 hours**

BIOL 2405, 2411, SPCH 1310

Emphasis in Prevention

**Health Education Requirements 34 hours**

HED 3120, 3300, 3301, 3315, 3320, 4300, 4301 or 4302, 4312, 4332, HSCI 4600; six hours from the following: HED 2202, 2320, 3101, 4301 or 4302, 4343, 4370.

**Related Requirements 11 hours**

BIOL 2405, 2411, MKTG 4360 or 4361.

**Health Occupations Option**

**Health Education Requirements 30 hours**

HED 2202, 3300, HSCI 1200, 2300, 4210, 4600; twelve hours to be approved by major advisor.

### **Related Requirements 17 hours**

BIOL 2405, 2411, ADSE 4357; 6 hours from the following: BMED 4325, 4374, 4375.

## **Minor in Health Education**

### **Health Education Requirements 17 hours**

HED 3300, 3301, 4300, 4331; five hours to be approved by minor advisor from the following: HED 2201, 2202, 2320, 3101, 3315, 3320, 4301, 4302, 4312, 4343, 4370.

### **Related Requirements 8 hours**

BIOL 2405, 2411

## **Bachelor of Science in Education**

The degree of Bachelor of Science in Education, with a major in school health education requires the successful completion of 124 hours, including: 1) General Education component; 2) Special Degree Requirements; 3) Directed Teaching in Health Education; and 4) Major courses listed below.

## **Major in Health Education**

## **Health Education Requirements 8 hours**

HED 2201, 3300, 3301, 4331, 4370; nine hours to be selected from the following: HED 2202, 2320, 3101, 4312, FACS 1300.

## **Related Requirements 8 hours**

BIOL 2405, 2411.

## **Health Occupations Option**

### **Health Education Requirements 28 hours**

HED 2202, 3101, 3300, 3321, 4312, 4370, HSCI 1200, 2300, 4210, 4600.

### **Related Requirements 20 hours**

BIOL 2405, 2411, FACS 1300, ADSE 4357; six hours from the following: BMED 4325, 4374, 4375.

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN HEALTH EDUCATION**

**1200 SAFETY EDUCATION** Accident prevention and safety education methods. On demand.

**1320 CONCEPTS OF LIFETIME HEALTH & FITNESS** The course provides students with scientifically based knowledge concerning health and physical fitness. Students will gain an understanding and appreciation of the crucial role that health and physical fitness plays in contributing to

the quality and longevity of their lives. Fall, spring, summer.

**2200 PERSONAL HEALTH** Emphasis on behavioral aspects of everyday living as they impact upon persona health status. Fall, spring, summer.

**2201 FIRST AID** American Red Cross first aid course. Fall, spring, summer.

**2202 HUMAN SEXUALITY** A course dealing with the physical, psychological and social factors involved in human sexual behavior. Prerequisite: HED 2200 or 1320. Fall, spring.

**2320 MENTAL HEALTH** Principles and application of mental health information to everyday living. Fall, spring.

**3101 SEMINAR ON HUMAN SEXUALITY** Methods and techniques of instruction in human sexuality. Open only to health education majors. Prerequisite: HED 2202. Spring.

**3120 PREVENTION PRACTICUM** Course provides practical experiences in a prevention resource center under the supervision of a certified prevention specialist or consultant. Fall.

**3300 HEALTH EDUCATION METHODS AND MATERIALS** Techniques, resources and references used in health education programs. Prerequisite: HED 1320 or 2200. Fall, spring.

**3301 THEORETICAL BASES OF HEALTH EDUCATION** Principles and foundations of the various disciplines that contribute to Health Education. Prerequisite: HED 2200 or 1320. Fall, spring.

**3302 THE ELEMENTARY SCHOOL HEALTH PROGRAM** Preparation of elementary teachers and/or school health coordinators for appropriate roles in the school health program. Prerequisite: HED 2200 or 1320. On demand.

**3310 FUNDAMENTALS OF OCCUPATIONAL HEALTH** Recognition, evaluation, and control measures of variables affecting the environmental health aspects of work habits. Prerequisite: Junior standing or consent of instructor. On demand.

**3315 THEORY AND PRACTICE OF PREVENTION** Course is designed to develop competencies in the theory and practice of prevention to prepare students for certification as a prevention specialist or consultant. Fall.

**3320 EPIDEMIOLOGICAL RESEARCH** This course is designed to introduce students to the basic concepts and principles of epidemiology and research. Special emphasis will be placed upon the application of epidemiological concepts of health science. Fall, spring.

**4300 COMMUNITY HEALTH PROBLEMS** Health resources, and programs designed to meet community health needs. Spring.



**4303 ENVIRONMENTAL HEALTH PROBLEMS** An in-depth study of environmental health issues and their influence on human health. Fall, spring.

**4312 DRUG EDUCATION** Educational approaches to the problems of use and abuse of drugs. Some emphasis on psychological and legal aspects of drug abuse. Fall, spring, summer.

**4331 PROGRAM PLANNING AND EVALUATION** Conducting educational diagnosis of existing programs and the development of skills to plan and evaluate new programs in the community, clinical and hospital settings. Special emphasis on needed skills of the community health educator. Fall, spring.

**4343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS** Course acquaints students with the parameters of various ethnic groups, integrates health programs into their environment and promotes the application of research skills in selected populations. Spring.

**4350 HEALTH EDUCATION TECHNIQUES IN THE ELEMENTARY SCHOOLS** Preparation of the elementary teacher with skills and techniques for teaching a specially designed health curriculum. On demand in summer.

**4351 HEALTH EDUCATION TECHNIQUES IN THE MIDDLE SCHOOLS** Preparation of the middle school teacher with skills and techniques for teaching a specially designed health curriculum. On demand in summer.

**4352 HEALTH EDUCATION TECHNIQUES IN THE JUNIOR HIGH SCHOOLS** Preparation of the junior high school teacher with skills and techniques for teaching a specially designed health education curriculum. On demand in summer.

**4361 DRIVER EDUCATION** Preparation of high school teachers in driver education and training. Fall.

**4362 ADVANCED WORK IN DRIVER EDUCATION** Prerequisite: HED 4361. Spring.

**4370 ADMINISTRATION OF THE SCHOOL HEALTH PROGRAM** Organization and Administration of school health programs. Includes coordination of school and community health efforts. Prerequisite: HED 2200 or 1320. Fall, spring.

**4395 CONTEMPORARY HEALTH CONCERNS - WOMEN** The application of self-help skills, prevention of illness specific to women caused by social, physical, and psychological factors and the language, politics, inequities and economics of women's health. Student will acquire skills necessary to cope in the health care systems with confidence and competency. Fall, spring.

**4396 CONTEMPORARY HEALTH CONCERNS - MEN** The application of self-help skills, prevention of illness specific to men caused by social, physical, and psychological factors and the language, politics, inequities and economics of men's health. Student t will acquire skills necessary to cope in the health care systems with confidence and competency. Fall, spring.

**4600 HEALTH SCIENCES INTERNSHIP** Directed field experiences provided in community health agencies and medical care settings. Fall, spring, summer.

**2102, 2202, 2302**

**WORKSHOP IN HEALTH EDUCATION** Specific topics dealing with current issues and problems in health education. On demand. Summer.

**4114, 4214, 4314**

**WORKSHOP** Specific topics dealing with current issues and problems in health education. On demand.

## **Bachelor of Science - Health Sciences**

Degree requirements include successful completion of a minimum of 124 hours, including (1) General Education component, (2) Degree Requirements, and (3) One of the emphases in Health Sciences. Due to the number of hours included in the Health Science major, no minor is required.

### **Core Courses (14) hours)**

\*HSCI 4400, HSCI 4403 or BIOL 4311 \*HSCI 4310, BIOL 4351.

\*Students not in the physical therapy emphasis will substitute other courses as recommended by the departmental chair.

### **Related Requirements (34-37 hours)**

Biology electives (12 hours with a minimum of 4 of anatomy and physiology), Chemistry electives (8 hours), Physics electives (8 hours), Psychology elective (3 hours excluding PSYC 1300), Statistics elective (3 hours), \*PSYC 2330 could fulfill both the Psychology and Statistics requirements.

### **Physical Therapy Emphasis (18 hours)**

This emphasis is only available to those students who have been officially admitted into the curriculum in Physical Therapy. Course work in the biological, physical, psychological, and health sciences are integrated to provide students the necessary background to understand the structure, function, and health needs of the human being. This emphasis is specially designed to prepare students for admission into the Master of Science degree curriculum in Physical Therapy.

## Professional Curriculum

PTHY 3213, PTHY 4200, PTHY 4215, PTHY 4240, PTHY 4323, PTHY 4330, PTHY 4401.

## **Health Services Administration Emphasis (18 hours)**

This emphasis is for individuals who plan, organize, and coordinate the delivery of health care of

## **COURSES OFFERED IN HEALTH SCIENCES:**

**1200 SURVEY OF HEALTH SCIENCES** A study of the various career fields in the health sciences including entrance requirements, duties, skills, job opportunities, and salaries. An aid to students

# **KINESIOLOGY AND PHYSICAL EDUCATION**

**Chair:** Dr. Debbie Howell, 450-3148

## **PURPOSES**

The objectives of the instructional program of the Department of Kinesiology and Physical Education are separated into two areas of responsibility:

1. The department contributes to the general education of all students in the university through courses designed to establish a program of activity with primary emphasis on the development of life-time physical fitness and knowledge and appreciation of movement, games and sports.
2. Professional preparation at the undergraduate and graduate level is provided for students desiring (a) to teach physical education or coach within the public schools or (b) work in the corporate/community fitness sector, recreational agencies or serve as athletic trainers.

## **UNIVERSITY FITNESS PROGRAM**

### **Fitness Center**

The fitness center is available to students, faculty, and staff. A variety of exercise equipment is available (e.g. stationary bicycles, rowing machines, treadmills, cross-country skier, free weights, and universal weights, etc.). Special events such as cholesterol screenings, fun runs, and exercise programs monitored by personal trainers are offered as part of the services of the fitness center. The fitness center is under the supervision of the Department of Kinesiology and Physical Education.

## **COURSES FOR GENERAL EDUCATION**

Courses are organized into five categories: dance, fitness and conditioning, aquatics, outdoor leisure pursuits, and sports and games.

## Dance

**1100 BEGINNING BALLROOM DANCE** Basic skills and techniques of the fox trot, waltz, cha cha, swing, and tango. On demand.

**1102 SQUARE DANCE** Basic skills and techniques of square dance. On demand.

## Fitness and Conditioning

**1104 AEROBIC DANCE** Basic concepts and application of dance activities and exercises to improve cardio-respiratory fitness, flexibility, and coordination. Every semester, summer.

**1105 ADVANCED AEROBIC DANCE** This course provides students an opportunity to gain an in-depth understanding of the benefits of aerobic dance in improving fitness. Students must perform advanced level of dance and exercise skills. Prerequisite: KPED 1104 or consent of instructor. Every semester.

**1113 SWIMMING FOR FITNESS** This course is designed for students who want to improve fitness through an individualized swimming program. Every semester.

**1125 CONDITIONING** The development of student designed exercise programs to improve fitness through the use of various exercise modes (e.g. free and universal weights; walking and jogging; swimming). Every semester.

**1135 BEGINNING WEIGHT TRAINING** This course teaches students how to use weight training apparatus. The basic lifts of weight training and the knowledge necessary to develop personal weight training programs is covered. Every semester.

**1145 BEGINNING WALKING/JOGGING** This course teaches students how to properly use walking/jogging as a means of developing and maintaining cardiovascular fitness throughout life. Every semester.

**1291 PRINCIPLES OF LIFETIME FITNESS** This course stresses physical activities as a means of developing and maintaining physical fitness throughout life. The course will include the why and how of fitness. It allows students to explore a variety of lifetime physical activities while encouraging the development of physical fitness as part of the class. Every semester.

## Aquatics

**1110 BEGINNING SWIMMING** Basic water adjustment skills, swimming strokes, and safety skills according to the American Red Cross beginner and advanced beginner level program. Every semester.

**1111 ADVANCED SWIMMING I: LIFEGUARDING** The study and practice of lifesaving techniques, knowledge, and skills preparing students for lifeguarding certification by the American Red Cross. Prerequisite: Students must possess swimmer level skills. (i.e. Swim 500 yards using required strokes, tread water without use of arms for 2 minutes and retrieve 10 pound object from 7 foot of water). On demand.

**1112 INTERMEDIATE SWIMMING** Swimming strokes and safety skills according to the American Red Cross intermediate level program. On demand.

**3100 ADVANCED SWIMMING II: WATER SAFETY INSTRUCTOR** Experience in perfecting and teaching water skills to meet requirements for American Red Cross instructor certification. Prerequisite: Students must possess swimmer level skills. On demand.

## **Outdoor Leisure Pursuits**

**1126 BEGINNING ARCHERY** Basic skills and techniques of target shooting. On demand.

**1129 ORIENTEERING** Outdoor skills that increase students awareness of their physical environment and physical fitness. On demand.

**\*\*1130**

**BASIC CANOEING** Basic skills and knowledges of canoeing including safety procedures and recreational aspects. On demand.

**1180 MARKSMANSHIP AND HUNTER SAFETY** Marksmanship techniques and safety procedures used in the proper handling of guns. On demand.

## **Sports and Games**

**1121 BEGINNING TENNIS** Basic strokes, history, rules, and strategy of the game. Every semester, summer.

**\*1122 BEGINNING GOLF** Basic strokes, rules, history, and strategy of the game. Every semester, summer.





The degree of Bachelor of Science in Education, with a major in Kinesiology and Physical Education, requires successful completion of a minimum of 124 hours, including (1) General Education component (p.); (2) Degree component (p.); (3) Directed Teaching in Kinesiology and Physical Education; (4) One

listed below.)

Two coaching courses must be selected from the following: KPED 3210, 3211, 3212, 3213, 3214.

Recommended course for prospective coaches (elective): KPED 2395, 3315, 3240, and 4395.

Secondary Kinesiology and Physical Education majors will be expected to show proficiency in nine sports before they will be approved for graduation. Proficiencies will be required in a minimum of three team sports; three individual sports; one dance, one fitness, and one in outdoor education and recreational games. A student must take the related teaching course before taking a proficiency test. The test may be passed in connection with the course or within one calendar year following successful completion of the course. It is standard practice for all Kinesiology and Physical Education majors to student teach in the major and supporting field.

### **Minor in Kinesiology and Physical Education - 41 Hours**

**(Emphasis at secondary level only)**

Minor requirements: KPED 2300, 2223, 2340, 2350, 2381, 3316, 3363, 3382, 4300, 4320, 4331, 4351, and six hours selected from KPED 2212, 2213, 2214, 2215, 2216, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, and 3200. (Please note proficiency requirements listed below).

If interested in coaching, the student must complete two of the following KPED 3210, 3211, 3212, 3213, or 3214.

**Fitness Test** - All Kinesiology and Physical Education minors must complete a physical fitness test administered by the department. Test items include pull-ups for men and modified pull-ups for women; 1.5 mile run; sit and reach; sit-ups; and measurement of body composition. The test is administered several times each semester. Failure to pass all items jeopardizes enrollment in upper division coursework. Make-up tests are scheduled for students who fail to meet minimum standards on all items.

All items must be passed prior to the completion of the sophomore year.

Secondary Kinesiology and Physical Education minors will be expected to show proficiency in seven sports before they will be approved for graduation. Proficiency will be required in a minimum of two team sports, two individual sports, one proficiency in fitness, dance, and outdoor education and recreational games.

A student must take the related Teaching course before taking a proficiency test. The test may be passed in connection with the course or within one calendar year following successful completion of the course.

It is standard practice for all Kinesiology and Physical Education minors to student teach in the major and supporting field.

## **Bachelor of Science**

The degree of Bachelor of Science, with a major in Kinesiology and Physical Education, requires, successful completion of a minimum of 124 hours, including (1) General Education component (p.); (2) Degree Requirements and related courses listed below; (3) One of the emphases in Kinesiology and Physical Education with the same requirements that are included under the Bachelor of Science in Education degree listed above; (4) A minor as approved by the student's minor advisor and an additional year of math or science.

## **Coaching Endorsement**

Any student who receives a major and minor in fields other than Kinesiology and Physical Education and who is interested in coaching football, basketball, or track in the public schools, must receive a coaching endorsement from the Arkansas State Department of Education.

To be eligible for the endorsement the following requirements must be met:

1. Hold or be eligible to hold the standard six-year teaching certificate.
2. Complete the following courses: KPED 2381, 4331, 4351, and two of the following coaching courses-KPED 3211, 3212, or 3213.

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN KINESIOLOGY AND PHYSICAL EDUCATION**

**2300 PRINCIPLES OF KINESIOLOGY AND PHYSICAL EDUCATION** An introductory course for Kinesiology and Physical Education majors and minors. Provides an overview of physical education and an examination of historical, biological, psychological, sociological, and curricular foundations. Every semester.

**2201 BASIC RHYTHMICS** Development of sequential fundamental movement patterns, creative rhythms, singing games, basic folk, round, and square dance. On demand.

**2203 GAMES FOR ELEMENTARY GRADES** Sequential development of individual and group game skills through drills, relays, line, circle, tag, lead-up, and classroom games. On demand.

Proficiencies are earned in the following teaching courses:

**\*2212 TEACHING BOWLING AND GOLF** Rules, skills, and strategies of playing and teaching bowling and golf. Prerequisite: Kinesiology and Physical Education major or minor. Every semester.

**2213 TEACHING ARCHERY AND BADMINTON** Rules, skills, and strategies of playing and teaching archery and badminton. Prerequisite: Kinesiology and Physical Education major or minor. Every semester.

**2214 TEACHING TENNIS** Rules, skills, and strategies of playing and teaching tennis. Prerequisite: Kinesiology and Physical Education major or minor. Every semester, summer.

**2215 TEACHING GYMNASTICS: WOMEN** Rules, skills, and strategies of teaching gymnastics. Prerequisite: Kinesiology and Physical Education major or minor. On demand.

**2216 TEACHING GYMNASTICS: MEN** Rules, skills, and strategies of teaching gymnastics. Prerequisite: Kinesiology and Physical Education major or minor. On demand.

**2222 TEACHING RACQUETBALL** Rules, skills, and strategies of playing and teaching handball and racquetball. Prerequisite: Kinesiology and Physical Education major or minor. Every semester, summer.

**2223 TEACHING OUTDOOR EDUCATION AND RECREATIONAL GAMES** This course focuses on outdoor education and recreational games. The section on outdoor education emphasizes camping skills. The section on recreational games addresses primarily individual and dual recreational games and their place in the physical education curriculum. Prerequisite: Kinesiology and Physical Education major or minor. Spring.

**2224 TEACHING SOCCER AND BASKETBALL** Rules, skills, and strategy of playing and teaching soccer and basketball. Prerequisite: Kinesiology and Physical Education major or minor. Every semester.

**2225 TEACHING SOFTBALL AND SPEEDBALL** Rules, skills, and strategy of playing and teaching softball and speedball. Prerequisite: Kinesiology and Physical Education major or minor. Fall.

**2226 TEACHING VOLLEYBALL AND TRACK AND FIELD** Rules, skills, and strategy of playing and teaching volleyball and track and field. Prerequisite: Kinesiology and Physical Education major or minor. Spring.

**2227 TEACHING ROUND AND FOLK DANCE** History and fundamentals of round and folk dancing from various countries. Methods of introducing round and folk dance into the elementary and secondary school curriculum. Prerequisite: Kinesiology and Physical Education major or minor. On demand.

**2228 TEACHING SQUARE DANCE** History, skills, and techniques of square dancing and the techniques of calling square dance. The methods of introducing these dances in the school curriculum is

covered. Prerequisite: KPED 1102, Kinesiology and Physical Education major or minor. On demand.

**2229 TEACHING BALLROOM DANCE** Courtesies, techniques, and skills involved in ballroom dance. The methods of introducing these dances in the school curriculum is covered. Prerequisite: Kinesiology and Physical Education major or minor. On demand.

**2322 RECREATION LEADERSHIP** Skills and techniques in conducting a variety of school and community recreation activities. Prerequisite: KPED 1102. On demand.

**2340 MOTOR DEVELOPMENT** The study of motor development and motor learning of children and adolescents. Special emphasis on (1) the relation of development and motor performance and (2) the developmental implications for skill learning and research on youth sports. Field experience will be required. Every semester.

**2350 INTRODUCTION TO DANCE** Instruction and practice in techniques of dance for the educational setting. Course includes historical background and basic knowledge in several dance genres. Every semester.

**2381 ANATOMICAL KINESIOLOGY** A directed study of human anatomy with application to kinesiological principles. This course will serve as a prerequisite to KPED 4300. Prerequisite: BIOL 1400. Every semester.

**2395 COMPUTER APPLICATIONS IN PHYSICAL EDUCATION AND SPORT** Students will

curriculum theories, models, trends and issues, and the relationship between curriculum development and instructional strategies. Field experience will be required. Every semester.

**3330 PHYSICAL EDUCATION FOR ELEMENTARY GRADES** Knowledge, methods, and practical experience in organizing and teaching the various elements of elementary physical education. Field experience in the public schools will be required. Prerequisite: Admission to Teacher Education. Every semester, summer.

**3363 ADAPTED PHYSICAL EDUCATION** Coverage of handicapping condition and their implications for participation in physical education. Clinical and field experiences will be provided to facilitate awareness of special students' needs. Field experience in the public school will be required. Every semester.

**3382 MECHANICAL KINESIOLOGY** The basic mechanisms of physical laws as applied to human motion. The application of mechanical laws to the learning of physical skills in physical education is stressed. Prerequisites: PHYS 1400 and KPED 2381. Every semester.

**4300 EXERCISE PHYSIOLOGY** Adaptation and response of the human body to exercise with an introduction to research. Prerequisite: KPED 2381 and KPED 3382. Every semester.

**4310 METHODS AND MATERIALS OF SECONDARY PHYSICAL EDUCATION** The application of instructional methods in secondary physical education. Course includes writing and implementing instructional objectives, performing task analysis, designing and implementing lesson plans, and microteaching. Clinical and field experience will be required. Prerequisite: Admission to Teacher Education. Every semester.

**4320 MEASUREMENT AND EVALUATION IN HUMAN PERFORMANCE** Analysis of the theoretical and practical issues involved in evaluation of motor behavior and knowledge. Interpretation of research with emphasis on statistical procedures is included. Every semester, summer.

**4331 CARE AND PREVENTION OF EXERCISE AND SPORT INJURIES** This course is designed to introduce the physiology of prevention and care of exercise and sport injuries. Through class presentations current trends in sports medicine are reviewed. Prerequisite: KPED 2381 or consent of the instructor. Every semester.

**4351 PHYSICAL EDUCATION ADMINISTRATION**

and institutions. Every semester.

**4171, 4271, 4371**

**WORKSHOP IN KINESIOLOGY AND PHYSICAL EDUCATION** Specific topics/problems in kinesiology and physical education. Variable credit (1-3 hours). On demand.

\*The Bowling and Golf classes will be held at commercial establishments therefore, an additional fee will be charged.

# **MEDICAL TECHNOLOGY**

**Advisor:** Dr. Dwight R. Pierce, 450-5558

## **PROGRAM**

Medical Technology is a profession which is practiced almost exclusively in hospitals or diagnostic clinics. These specialists perform the laboratory tests ordered by physicians, and are the only laboratory technicians who are qualified to work independently of supervisory personnel. Upon completion of the professional program, the graduate is eligible to take various certification examinations required for licensure.

The Department of Health Sciences, in cooperation with the Baptist Health, offers a Bachelor of Science degree in medical technology. Three years of this program are taken on the UCA campus, and the fourth is completed in the hospital-associated teaching laboratories.

## **BACCALAUREATE DEGREES**

### **Bachelor of Science**

1. Completion of a minimum of 91 semester hours described below with at least a 2.000 GPA is necessary for application to the professional curriculum. In order to receive credit toward a degree from the university, the student must apply and be admitted to UCA prior to enrolling in the professional curriculum in medical technology. In all cases students will be required to complete a total of 124 hours with a minimum of 30 hours of residence credit.
2. Acceptance into the clinical program in medical technology at Baptist Health.
3. Completion of the professional curriculum with a minimum GPA of 2.000.

The curriculum for Medical Technology is as follows:



## **I. Preprofessional Curriculum Semester Hours**

A. General Education Component (p.)

B. Specified General Education and

other required courses:

MATH 1390 or above 3

CSCI 1300 or INFO 1341 3

BIOL 1410, 1430, 2405, 4525 17

CHEM 1450, 1451, 2401, 3520 17

Electives 17

Total 91

## **II. Professional Curriculum Semester Hours**

Immunology 2

Immunoematology 1

Hematology 4

Body Fluids 1

Clinical Microbiology 4

Clinical Chemistry 4

Seminar I 1

Seminar II 1

Management/Education 1

Clinical Internship I 5

Clinical Internship II 5

Clinical Internship III 6

Clinical Internship IV 7

Total 42

## **COURSES IN MEDICAL TECHNOLOGY**

**4108 SEMINAR I** Introduction to the hospital laboratory including phlebotomy and medical terminology; attendance at laboratory inservice.

**4110 SEMINAR II** Attendance at laboratory inservice; presentation of inservice including visual aids; review for comprehensive exam.

# MILITARY SCIENCE

**Chair:** LTC Ralph Nichols 450-3145

## PURPOSES

The Military Science Department commissions the future officer leadership of the United States Army. The Reserve Officers' Training Corps (ROTC) offers each student the opportunity to serve in the U.S. Army on active duty, or remain in Arkansas and serve in the Army National Guard or the U.S. Army Reserve while pursuing a civilian career after graduation.

Regardless of the career choice, success in life today demands more than ever on the right preparation. Education is essential, but the growing proportion of Americans going to college has lessened the diploma's role as an automatic entree to the best jobs. Employers are demanding something more. Army ROTC provides hands-on, performance oriented leadership and management training. Army ROTC is the competitive edge for the success oriented college student.

## GENERAL INFORMATION

**Registration** - Registration for Military Science is accomplished at the same time and in the same manner as other courses. There is no additional tuition cost for full-time students. All required books and equipment are provided at no cost to the student.

**Military Service Obligation** - There is no military obligation for students taking freshman and sophomore Military Science courses. (Freshman and Sophomore Military Science students attending college on Army ROTC scholarships are obligated by their contracts.)

**Scholarships** - Four-year scholarships are available on a competitive basis to high school seniors who plan to enroll in Army ROTC. In addition, two-and three-year scholarships are available on a competitive basis to UCA students. These scholarships pay tuition, fees, a \$450 flat rate for books, and \$150 per month stipend which is tax free.

**Advanced Course Subsistence Allowances** - Each student enrolled in the ROTC Advanced Course receives up to \$1,500 during the school year. This \$1,500 is in addition to the Montgomery G.I. Bill or other government-related benefits an individual may be receiving. Additionally, members of the National Guard or Reserves may continue to draw their reserve pay and be elevated to the reserve grade of E-5, for participation in the Simultaneous Membership Program.

## **BASIC COURSE**

The Basic Course (taken by freshmen and sophomores) consists of Military Science 1101, 1110, 2204, 2213, and 4171 (workshops - open to all students). Military Science 1101 and 1110 meet one hour in class and once a month for a leadership lab which consists of practical applications of current leadership topics, as well as learning to rappell and other military or survival skills. Basic course students can participate in many activities throughout the year which the Military Science Department sponsors. Just a few of the activities are: Rappelling, Rifle Marksmanship, Color Guard, Ranger Team, Military Ball, Field Training Exercises, Awards Ceremony, Physical Conditioning Programs, Battleground Visitations, and many more. Qualified students may also attend airborne, air assault, or other Army skills schools.

## **ADVANCED COURSE**

The advanced course consists of Military Science 3305, 3306, 4307, and 4308 and a six-week ROTC leadership camp between the junior and senior year.

To enroll in the advanced course, students must have completed eligibility and age requirements, be physically qualified, have two academic years to complete before graduation or reception of a graduate degree, have a grade point average of 2.0 or better, be accepted by the professor of military science and the president of the university, and be a U.S. citizen.

### **Eligibility for the Advanced Course:**

Must have completed one of the following:

- A. Complete Basic Course (2-year program)
- B. Summer Basic Camp at Ft. Knox (6 weeks prior to junior year)

C. 3 years of high school Junior ROTC experience

D. Veteran

E. Member of National Guard or Reserve and completed basic training.

**NOTE:** Each contracted cadet must meet certain Professional Military Education (PME) requirements prior to commissioning. Each cadet must complete a semester or semester equivalent course in written communications, human behavior, military history, computer literacy, and mathematical reasoning.

## **BASIC CAMP**

Basic camp is a six week summer leadership and training exercise that satisfies all ROTC requirements in lieu of the Basic Course. Completion of this camp enables eligible students to enter the advanced course. Registration is through the ROTC department, during the spring semester. Students are paid while at this camp. There is no military obligation upon completion of the camp. See the Military Science department for eligibility requirements.

## **COURSES IN MILITARY SCIENCE**

**1101 LEADERSHIP I** A study of the importance of communications, decision-making, and the understanding of human behavior as it affects leadership situations. Fall.

**1110 LEADERSHIP II** Introduction to leadership and development and basic tactical skills. Spring.

**1129 ORIENTEERING** This course is instructed as KPED 1129. Spring.

**3306 ADVANCED LEADERSHIP AND TACTICS II** A continuation of Military Science 3305. Spring.

**4171 WORKSHOPS (OPEN TO ALL STUDENTS)** Adventure - training courses offered such as: rappelling, small unit tactics, survival skills, mountaineering and marksmanship. Fall and spring.

# **NUCLEAR MEDICINE TECHNOLOGY**

**Advisor:** Maria Kidd, 450-5541

## **THE PROFESSION**

The nuclear medicine technologist (NMT) is a highly skilled professional who utilizes radioactive materials to image the function of different organs, analyze biologic specimens and treat certain diseases. The responsibilities of the NMT are varied and can include radiation safety, quality control, radiopharmaceutical preparation and administration, the performance of diagnostic imaging procedures on patients, and computer acquisition and analysis of data. The NMT works closely with nuclear medicine physicians, radiologists, and referring patient physicians in order to insure that each patient receives the highest quality study possible.

The program is accredited by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association (AMA) in collaboration with the Joint Review Committee on Educational Programs in Nuclear Medicine Technology.

## **REQUIREMENTS**

The Department of Health Sciences in cooperation with the Health Education Division of Baptist Medical Center (BMC) offers a Bachelors Degree in Nuclear Medicine Technology. The degree requirements consist of three (3) years and 84 hours of course work at UCA, and 47 hours taken over twelve (12) months at BMC. Students may transfer into the program, but a minimum of nine (9) months and thirty (30) hours of residence at UCA is required. Students must apply to the professional phase of the program at BMC, and acceptance is on a competitive basis.

**II. THE PROFESSIONAL CURRICULUM AT BMC WILL CONSIST OF 47 HOURS:**

NMT 4210, 4415, 4420, 4425, 4410, 4430, 4315, 4325, 4330, 4435, 4320, 4215, 4220



**4320 INSTRUMENTATION/STATISTICS II:** Principles of operation and quality control of collimated radiation detectors with emphasis on statistical applications.

**4330 RADIOIMMUNOASSAY:** Methodology involved in radioimmunoassay to include competitive binding, antigen-antibody reactions and radioligand procedures. Includes the operation of laboratory instruments and equipment.

**4215 RADIATION HEALTH PHYSICS:** Principles involved in minimizing exposure to patient, self and environment are discussed. Included are techniques for measuring levels of radioactive contamination, procedures for decontamination and a general overview of government regulations regarding exposure and material handling. Laboratory included.

**4220 RADIOBIOLOGY:** Biological effects of the exposure of living tissue to ionizing radiation, including chronic and acute effects, and the relative sensitivity and resistance of organ systems, tissues, and cells to radiation.

# **NURSING**

**Chair:** Dr. Barbara Williams, 450-3119

## **PURPOSES**

The Department of Nursing is committed to enhancing the health of the public through teaching, scholarship including professional practice, and service. This is achieved through offering professional nursing education for undergraduate and graduate students, preparing them to assume basic, advanced practice positions, and nursing faculty positions; and providing opportunities for nurses to maintain, improve, and expand their competencies. Graduates of the baccalaureate program are prepared for basic professional practice, providing comprehensive nursing care to clients of all age groups in a variety of settings. BSN graduates have the foundation for graduate study, in an area of advanced practice, and are prepared for life long learning and continued professional development.

## **ACCREDITATION STATUS**

The baccalaureate program is approved by the Arkansas State Board of Nursing and accredited by the National League for Nursing.

## **U. S. ARMY CENTER OF NURSING EXCELLENCE**

The Department of Nursing has been designated by the U.S. Army as a Center of Nursing Excellence, one of a few programs nation-wide to receive this distinction. For information regarding opportunities available through the U.S. Army refer to the Military Science program in this bulletin or contact them at 501-450-3145.

## **PROFESSIONAL PROGRAM**

The professional program consists of a minimum of 6 full semesters of study during which students are engaged in both classroom work and clinical experiences in central Arkansas health care agencies, institutions, and communities. Students are responsible for their own transportation to and from clinical experience.

The department has adopted the Arkansas Nursing Articulation Model. LPN/LPTN to BSN, RN to BSN, and RN to MSN tracks are available to students already licensed to practice nursing. Contact the Department of Nursing for information related to these tracks.

Upon successful completion of the program, the student is awarded a Bachelor of Science in Nursing (BSN) degree and is eligible to apply to take the Registered Nurse (RN) licensing examination (NCLEX-RN).

### **Admission to the Nursing Major**

Admission to the undergraduate nursing program is selective and competitive. Preference is given to University of Central Arkansas students. Applications are due by March 1 for the following fall sophomore nursing class. One class is admitted each year. Applications may be obtained by calling or writing to the UCA Department of Nursing (501-450-3120).

Minimum admission criteria include: 1) minimum GPA of 2.5 based upon nursing program requirements; 2) completion with a minimum grade of "C" of ENGL 1310 and 1320, MATH 1390, CHEM 1402 and 2450 or CHEM 1450 and 1451, BIOL 1400 and 2405 or BIOL 2406 and 2407, PSYC 1300, SOC 1300, and FACS 1300; 3) successful completion of written statement ; and 4) complete application. A more detailed list of criteria should be obtained from the department.

### **General Education and Related Major Requirements 72 hours**

ENGL 1310 and 1320, 2305 or 2306; MATH 1390; PSYC 1300 and 2370; PSYC 2330, SOC 2321, or MATH 2311; CHEM 1402 and 2450 or 1450 and 1451; BIOL 1400 or 1410, 2405 or 2406 and 2407, 2411, and 4311; SOC 1300; FACS 1300; HIST 1310 and 1320; PHIL 1301 or 2325; HIST 2301 or 2302 or PSCI 1330; 2 KPED activities; MUS 3330 or ART 3300; H ED 2200 and a 3-hour elective. These requirements are being reviewed. Check with the department for current requirements.

### **Nursing Major Requirements 57 hours**

NURS 2210, 2310, 2315, 2510, 3201, 3410, 3501, 3505, 3510, 4210, 4213, 4220, 4305, 4410, 4510, 4515.

The baccalaureate program consists of 34 hours of pre-nursing/prerequisite courses and three years of nursing major, general education, and related major requirements. Courses in the professional major are sequentially planned. Each set of nursing courses is usually offered only once each academic year. A minimum grade of "C" must be achieved to pass a nursing course.

The following courses may be completed after admission to the major and require a minimum grade of "C": BIOL 2411 and 4311; PSYC 2370; PHIL 1301 or 2325; PSYC 2330 or SOC 2321 or MATH 2311.

Upon acceptance into the nursing program, students are to present the first and second of the series of three Hepatitis B vaccinations. The third of the series may be completed after the start of school.

Students are to present yearly documentation each August: 1) American Heart Association Course C CPR certification valid through the school year; 2) TB skin test results valid through the school year; and 3) current health/hospitalization insurance.

The current edition of the Nursing Student Handbook: Baccalaureate Nursing Program specifies the rules, regulations, and policies that apply to all UCA undergraduate nursing students

It is the responsibility of the student to know and follow the most recent policies and procedures.

## **Readmission Policy**

If a student withdraws from any nursing course(s) or from the nursing major for any reason (academic or non-academic), or fails to earn a minimum grade of "C" in any nursing course, the student must apply for readmission to the nursing program. An unsuccessful attempt of any nursing course (grade of D, F, WF) may result in a year's delay before the student will be able to repeat that nursing course. Students must apply for readmission to repeat any nursing course or to take other nursing courses. A student, if readmitted, may repeat a specific nursing course only one time. The student who makes a grade of "D" or "F" in two (2) nursing courses will be dismissed from the nursing program.

Readmission is not automatic nor guaranteed and will be contingent upon both program and individual factors. Readmission applications are available from the department. Applications are due to the department by October 15 for readmission to spring nursing courses and by March 1 for readmission to fall nursing courses.

The department follows the university's policy of reserving the right to refuse the privilege of further attendance to a student when it has become evident that the student lacks the personal qualities, professional characteristics, or scholastic attainments essential for success.

## **THE HONORS PROGRAM IN NURSING**

During the spring semester of the junior year, qualified students are invited to become candidates for departmental honors. The student must have earned at least an overall and a major GPA of 3.0. The honors program offers an opportunity to explore special interests in nursing through an independent project. Successful completion of the honors project will make the student eligible to graduate with honors in nursing. This distinction is noted on the student's transcript and diploma.

MASTER'S DEGREE - See UCA Graduate Catalog

## **COURSES IN NURSING**

**2210 HEALTH ASSESSMENT** Systematic biophysical and psychosocial health assessment. Prerequisite: Admission to nursing major. Fall.

**2310 PHARMACOLOGIC BASES FOR NURSING** Theoretical knowledge and skills related to nursing responsibilities in pharmacologic therapy. Prerequisite: Admission to nursing major. Fall.

**2315 HEALTH PROMOTION AND NURSING** Theory and laboratory course with emphasis on health promotion and fundamental theories, concepts, principles, and clinical skills of professional nursing practice. Prerequisite: Admission to nursing major. Pre or Corequisite: BIOL 2411. Fall.

**2510 ADULT NURSING I** Theory and laboratory course focuses on identifying nursing diagnoses and treatment of adult clients' responses to selected health problems. Prerequisites: NURS 2210, NURS 2310, NURS 2315, BIOL 2411. Spring.

**3113, 3213, 3313**

**SPECIAL STUDIES IN NURSING** Given on demand and varied to meet the needs of nursing students.

**3200 TRANSITION TO PROFESSIONAL NURSING** Builds upon the licensed nurse's previous education and experience. Emphasis is on developing a conceptual framework for professional practice. Prerequisites: Current RN or LPN/LPTN licensure and admission to nursing major. Fall.

**3201 CLIENT EDUCATION** Incorporation of client centered teaching into professional nursing practice. Prerequisite: NURS 2315. Spring.

**3410 ADULT NURSING II** Theory and laboratory experiences focus on application of nursing process with adult clients experiencing life disrupting and/or life threatening health problems. Prerequisites:



# **OCCUPATIONAL THERAPY**

**Chair:** Dr. Linda Shalik, 450-3192

## **DEFINITION**

Occupational therapy is the use of purposeful activity with individuals who are limited by physical injury or illness, psychosocial dysfunction, developmental or learning disabilities, poverty and cultural differences, or the aging process in order to maximize independence, prevent disability, and maintain health. The practice encompasses evaluation, treatment, and consultation. Reference to occupation in the title is in the context of man's goal-directed use of time, energy, interest, and attention.

Specific occupational therapy services include: teaching daily living skills; developing perceptual-motor skills and sensory integrative functioning; developing play skills and prevocational and leisure capacities;





BIOL 2406 and BIOL 2407

\*Chemistry 1402(preferred) 4

\*Physics 2410 (preferred) or 1410 4

\*Psychology and Sociology (to include Psychology 1300, 4320,  
Sociology 1300, and Psychology/Sociology Elective) 12

\*Must be included in 60 hours required for admission

4. Students who already hold a baccalaureate degree from a regionally accredited college or university may be considered for admission provided the above prerequisites have been completed and a minimum grade point average of 2.750 has been maintained.

## **DEPARTMENTAL ADMISSIONS PROCEDURE AND APPEALS**

Entry into the program is by application and competitive admission only. Applications to the program

In addition to tuition and fees; textbooks, materials and uniforms for occupational therapy courses are approximately \$400.00 a semester. Students are responsible for their own transportation and living expenses throughout the program.

All students enrolled in the professional program in occupational therapy are required to maintain a GPA of 2.0 each semester of the professional program; a grade no lower than C must be earned in all occupational therapy courses.

## **THE HONORS PROGRAM IN OCCUPATIONAL THERAPY**

interpersonal skills used in occupational therapy practice. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**3220 HUMAN DEVELOPMENT II** Continuation of Human Development I. Emphasis on occupational therapy intervention for adolescence through late adulthood and the death and dying process. Prerequisite: Admission to the Occupational Therapy Program. Spring.

**3316 HUMAN DEVELOPMENT I** Growth and development process throughout the life span. Adaptive skills of the developing individual - physical, cognitive, perceptual, motor and emotional - are considered in relationship to the social and cultural environment. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**3321 INTRODUCTION TO OCCUPATIONAL THERAPY** History, functions and concepts of the profession. Presentation of theories underlying the practice of occupational therapy as they relate to current health care trends. Study of medical terminology, professional ethics, clinical application. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**3330 THERAPEUTIC ACTIVITIES IN OCCUPATIONAL THERAPY** Introduction to purposeful activity and activity analysis in Occupational Therapy. Students study the use of crafts, computers, and other media in clinical practice. Prerequisite: Admission to the Occupational Therapy Program. Summer.

**3340 SURVEY OF HUMAN DISEASE** Pathology, etiology, and management of selected clinical diagnoses with emphasis on the role of occupational therapy in patient care. Prerequisite: Admission to the Occupational Therapy Program. Spring.

**3355 EVALUATION AND TREATMENT IN MENTAL HEALTH I** Mental health settings, models, team collaboration, and purposeful activities are presented. Model of human occupation, object relations, behavior and role acquisition approaches to evaluation, treatment planning, implementation and documentation are emphasized. Prerequisite: Admission to the Occupational Therapy Program. Spring.

**3365 FUNCTIONAL KINESIOLOGY** Principles of body mechanics and analysis of muscle and joint actions in functional coordinated movement. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**3375 EVALUATION AND TREATMENT IN PEDIATRICS I** Pediatric settings, models, team collaboration and purposeful activities are presented. Neurodevelopmental and sensory integrative approaches to evaluation, treatment planning, implementation, and documentation relative to occupational performance and the model of human occupation are emphasized. Prerequisite: Admission to the Occupational Therapy Program. Spring.

**3380 EVALUATION AND TREATMENT IN PHYSICAL DISABILITIES I** Adult treatment settings, models, team collaboration, and purposeful activities are presented. Occupational performance, occupational adaptation, rehabilitation, and biochemical approaches to evaluation, treatment planning, implementation, and documentation are emphasized. Prerequisite: Admission to the Occupational Therapy Program. Spring.

**4100 PRACTICUM III** Occupational therapy clinical experience in mental health, physical dysfunction or pediatrics. Observation and participation in occupational therapy evaluation and treatment in selected facilities, with emphasis on moderately supervised evaluation, treatment planning, and treatment

implementation skills. Prerequisite: Practicum II or consent of instructor. Fall.

**4101 PRACTICUM IV** Occupational therapy clinical experience in mental health, physical dysfunction or pediatrics. Observation and participation in occupational therapy evaluation and treatment in selected facilities, with emphasis on minimally supervised evaluation, treatment planning, and treatment, implementation skills. Prerequisite: Practicum III or consent of instructor. Spring.

**4301 INTRODUCTION TO RESEARCH** Interpretation and critical analysis of current literature and research in occupational therapy. Students will become familiar with various methods of data collection, and with the structure and components of a research proposal. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**4310 FUNCTIONAL NEUROANATOMY** Structure and function of the peripheral, central, and autonomic nervous systems, including laboratory study of specimens of human brain and spinal cord. Emphasis on the application of principles to clinical problems. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**4315 PREVOCATIONAL AND WORK ASSESSMENT** Therapeutic application of prevocational and work assessment activities. Techniques of work simplification and energy conservation. Prerequisite: Admission to the Occupational Therapy Program. Spring.

**4320 OCCUPATIONAL THERAPY PRACTICE IN GERIATRICS** Theories of aging, normal physiological and psychological changes of aging, common problems of the aging population, specific disease entities, and occupational therapy intervention. Prerequisite: Admission to the Occupational Therapy Program. Spring.

orthotic/prosthetic appliances. Selection, fitting, and fabrication of orthotic appliances; selection of prostheses. Special emphasis on management of burns, arthritis, and musculoskeletal injuries.

Prerequisite: Admission to the Occupational Therapy Program. Spring.

**4375 EVALUATION AND TREATMENT IN PEDIATRICS II** This course is a continuation of evaluation and treatment in Pediatrics I. Vision perception and psychosocial approaches to evaluation, treatment planning, implementation, and documentation relative to occupational performance and the model of human occupation are emphasized. Fine motor skills, handwriting, and oral-motor skills are presented. Prerequisite: Admission to the Occupational Therapy Program. Fall.

**4380 EVALUATION AND TREATMENT IN PHYSICAL DISABILITIES II** Application of

# **PHYSICAL THERAPY**

**Chair and Professor:** Dr. Venita Lovelace-Chandler, 450-3611

## **PHYSICAL THERAPY: A DYNAMIC HEALTH CARE PROFESSION**

Physical therapists plan, organize, implement, direct and evaluate programs for the care of patients of all ages who are physically disabled by illness or accident or birth injury. Therapists work in a variety of health care facilities including hospitals, nursing homes, rehabilitation centers, schools for developmentally delayed children, community health centers, research centers, industry, private offices, and sports centers. Physical therapists may also work as consultants to public schools or to community and government agencies and as instructors in colleges and universities offering programs in physical therapy education. Their responsibilities often include instructing patients and their families and supervising assistants, aides, students, and other health workers in carrying out a treatment program or selected parts of it. Patient treatments include exercises for increasing strength, endurance, coordination and range of motion; the use of heat, cold, electricity, sound, and water to relieve pain and stimulate motor activity; and instruction in activities of daily living and the use of assistive devices. Physical therapists also engage in clinical research to develop more effective treatments and methods of evaluation in order to improve patient care.

Physical therapist assistants are supervised by a physical therapist when implementing a patient's treatment program. While only a therapist may evaluate a patient and plan the treatment program, the assistant may assist the therapist as follows: by teaching patients exercises and activities of daily living, by performing other treatments utilizing special equipment, and by assisting in testing and complex treatment procedures.

Currently not enough physical therapy practitioners exist to meet the physical therapy needs throughout the country. The Bureau of Labor Statistics estimates the development of 53,000 vacancies in physical therapy by the year 2000, predicting this health profession to be the third fastest growing occupation in the United States by that year.

## **PURPOSES**

The goal of the Department of Physical Therapy is to produce graduates who are active members of the health team and use skill and empathetic understanding in patient care. The Department offers two degrees which lead to careers in physical therapy and one degree for advanced study. The Associate of Applied Science (A.A.S.) degree in Physical Therapist Assisting (P.T.A.) is based on 27 semester hours

of general education course work followed by 38 semester hours of course work in the technical curriculum. Graduates are technical health workers skillful in performing patient care activities as directed and supervised by a physical therapist. The Master of Science (M.S.) degree in Physical Therapy (P.T.) is based on a foundation of general education courses in physical and biological science, social science and the humanities encompassing approximately three years of course work. Each curriculum is designed to promote in the student intrinsic motivation for continued study so that completion of the program will be viewed as only the first step in a lifetime of professional learning.

Periodically, the Department offers a B.S. degree in Physical Therapy. Telephone the Program Advisor for information on this degree.

## **ACCREDITATION STATUS**

The Associate of Applied Science degree in Physical Therapist Assisting and the Master of Science degree in Physical Therapy are accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the APTA.

## **ASSOCIATE DEGREE**

### **Associate of Applied Science (AAS) in Physical Therapist Assisting**

The curriculum leading to the Associate degree with a major in

Physical Therapist Assisting requires 27 hours of prerequisite course work and 38 hours of course work in the technical curriculum. The prerequisite department requirements are listed under Admission Requirements to the Technical (P.T.A.) Curriculum.

The curriculum in Physical Therapist Assisting has strict enrollment limitations and entry is by application and competitive admission only. The program is a continuous, twelve month course of study beginning in the fall semester of each year. The curriculum encompasses two semesters of course work and summer internships. Out-of-state applicant may be accepted if a PTA class cannot be filled with qualified Arkansas residents.

Students who have completed at least 23 hours (including 8 hours of science courses) of the prerequisite course work with the acceptable grades may apply to the PTA curriculum by submitting an application packet, available each spring. Students who lack some prerequisite course work but who are otherwise

competitive will be granted tentative acceptance. The remaining prerequisite course work must be completed before enrollment in the PTA curriculum in August.

## **ADMISSION REQUIREMENTS TO THE PHYSICAL THERAPY ASSISTING CURRICULUM**

Students accepted into the PTA Curriculum must have 27 semester hours of acceptable college credit with a cumulative grade point average of at least 2.0 based on a 4.0 scales and a grade point average of 2.5 based on a 4.0 scale for all required course work. Students must have a least a grade of "C" on the required science courses or their substitutes.

The GPA for the last 12 hours of course work will be considered by the Admissions Committee for admissions purposes only, as a substitute for the cumulative GPA, if the GPA for the last 12 hours is at least 10% higher than the cumulative GPA and includes 6 hours of appropriate science course work. Appropriate science course work includes science courses for science or health science majors except Botany. The Department of Physical Therapy reserves the right to determine appropriateness of science course work used to fulfill the prerequisite requirement. No more than 3 credit hours may be repeated course work and no science course work may be repeated for this option. The minimal 2.5 cumulative GPA requirement must be met prior to utilizing this option.

### **Prerequisite Course Work**

To be eligible to apply for admission, candidates must complete the prerequisite requirements prior to the enrollment date in August. The 27 hours of prerequisite course work may be completed at another regionally accredited college, university, or community college. Courses taken elsewhere must be equivalent to UCA courses. **ALL COLLEGE COURSE WORK MUST BE SUBMITTED REGARDLESS OF WHEN IT WAS COMPLETED AND REGARDLESS OF THE NATURE OF THE COURSE WORK.**

1. Individuals without an associate or baccalaureate degree must complete the general education course requirements of the University plus specific department requirements as follows. Course numbers reflect UCA courses.

3 semester credit hours General Psychology (1300 or above)

4 semester credit hours Physics (telephone the advisor for specific information; Grade of C or higher required.)

6 Biological Sciences, which include a minimum of 4 hours in Anatomy and Physiology (grade of C or higher required.)

- Individuals who hold or will have completed an associate or baccalaureate degree from an



accredited college or university by the August starting date need only fulfill the department requirements cited above.

Any Biology course equivalent to or higher than Biology 1400 may be taken to meet the Biology requirement **except for Botany which does not fulfill the requirement for Biological Sciences.**

Application Materials: **All application materials must be submitted to the UCA Department of Physical Therapy by June 1 for admission in August. Application packets are available each spring.**

- Application to the University of Central Arkansas (not required of former or present UCA students)
  - Application to the Department of Physical Therapy
- Official transcripts of all college course work. Transcripts must be mailed directly from the issuing

Students must maintain a GPA of 2.0 each semester to remain in the curriculum. Full-time clinical education (summer courses) require internships in assigned facilities. Students may be required to spend five weeks at a clinical site outside of Arkansas.

## **Graduation**

Students who satisfactorily complete the technical curriculum will graduate in August. Graduates are eligible to write the licensure examination required in Arkansas and other states.

## **BACCALAUREATE DEGREE**

Telephone the Department for information on this degree.

## **MASTER OF SCIENCE DEGREE**

The Master of Science (M.S.) degree has strict enrollment limitations and entry is by application and competitive admission only. The M.S. curriculum is a continuous, twenty-eight month course of study. A new class enrolls in the M.S. curriculum at the beginning of the fall term, encompasses five semesters and two summers of study and eighteen weeks of full-time clinical internship.

## **SELECTION PROCEDURE**

All applications of candidates who have met the qualifications are reviewed by an Admissions Committee composed of UCA faculty. Criteria include the cumulative grade point average, the science grade point average, grades in extra science course work, grades on recent college course work and the score on the Allied Health Professions Admission Test (AHPAT). Of the criteria, the science grade point average and the AHPAT score are weighted most heavily. The top students are selected by the Admissions Committee and are invited for an interview. Following the interview, students are notified of

committee decisions. A conditional acceptance is given to those chosen who are enrolled in courses at the time selections are made. Preference is given to Arkansas residents. Contact the Department to obtain an application packet and to determine any changes in selection procedures which might occurred since the printing of this Bulletin.

## **ADMISSION REQUIREMENTS FOR THE PHYSICAL THERAPY CURRICULUM**

To be eligible for consideration for admission, candidates must (1) satisfy the admission requirements for the University; (2) complete an Application for Admission to the Professional Curriculum in Physical Therapy; and (3) meet the following pre-professional academic requirements:

Semester hours completed: 94 semester hours of required course work

GPA: Cumulative GPA - 3.0, Science GPA - 2.75

AHPAT score: 275 (All percentiles totaled)

## **REQUIRED COURSE WORK**

The general education requirements are listed elsewhere in this Bulletin. Contact the Department for an information packet listing the specific department requirements.

## **COURSES IN PHYSICAL THERAPY ASSISTING**

**2275 INTRODUCTION TO PHYSICAL THERAPIST ASSISTING** The role of the PTA in the health care system and particularly in physical therapy. Includes the study of medical terminology as applied to the physical therapy profession.

**2280 PRINCIPLES OF ADMINISTRATION AND MANAGEMENT FOR ASSISTANTS** Study of basic principles of administration and management in the practice of physical therapy with emphasis on understanding of the medico-legal aspects, basic levels of authority and responsibility, time management, hierarchial supervisory structures, performance evaluations, policies and procedures, and fiscal planning as applied to the PTA. Also included is a study of the current health care physical therapy department.







**2111 MEDICAL TERMINOLOGY** The language of medicine. Word-building system of medical terminology; prefixes, suffixes and root or stem words relating to the body and its systems. Terms, abbreviations and symbols especially pertinent to Radiology with emphasis on understanding the meaning of such words and their proper uses.

**2112 RADIOGRAPHIC FILM PROCESSING** Knowledge of processing chemistry, the various systems of automatic processors, and the radiographic film characteristics. Design and structure of the processing room and appropriate accessories are discussed. The causes of, and methods of eliminating, artifacts on film are learned as well as means of silver reclamation.

**2113 RADIOGRAPHIC PROCEDURES I** Radiographic positioning of the anatomic structures and organs of the body, are correlated with Human Structure and Function. Special or supplementary radiographic views, studies using the contrast media supplementary radiographic views, studies using contrast media, special procedures, and pediatric radiography are studied.

**2114 MEDICAL ETHICS AND LAW** Moral, legal and professional responsibilities of the Radiologic Technologist are studied. Emphasis is placed on confidentiality and interpersonal relations with patients and other health care team members.

**2120 METHODS OF PATIENT CARE** Concepts of care of the patient in Radiology including both physical and psychological conditions. General nursing procedures, patient preparation for radiographic procedures, the basic forms of contrast media and the precautions for administering such, and emergency care. Preparation to deal with patients in a manner that does not add further discomfort or injury, nor hinder recovery. Competency in CardioPulmonary Resuscitation and IV Therapy are obtained in this course.

**2121 EVALUATION OF RADIOGRAPHS I** Continuing critique of radiographic film quality, incorporating knowledge and skills acquired in other courses with specific references to technical difficulties. On-going review of radiographic positioning, components of radiographic quality, methods of protection, and pathological conditions affecting film quality.

**2130 EVALUATION OF RADIOGRAPHS II** Continuation of 2121

**2211 HUMAN STRUCTURE AND FUNCTION I** Knowledge of human anatomy; its framework, structure, organs, systems, and the specific functions of each. Relationship of the various organs and structures to surface landmarks. Emphasis on the identity of anatomical structures via the use of radiographs.

**2222 HUMAN STRUCTURE AND FUNCTION II** Continuation of 2211

**2223 PRINCIPLES OF RADIOGRAPHIC EXPOSURE I** Technical factors required to produce diagnostically satisfactory radiographs. Principles of the controlling and influencing factors which affect each of the radiographic qualities and the mathematical calculations for determining exposure technique. Applications of anatomy, physiology, and pathology affecting technique, and considerations for technique chart construction.

**2224 RADIOGRAPHIC PROCEDURES II** Continuation of 2213

**2231 PRINCIPLES OF RADIOGRAPHIC EXPOSURE II** Continuation of RA T 2223





under which the Registry is given.

**4162 RADIOGRAPHIC PATHOLOGY** Concepts of disease. Trauma/physical injury, the systemic classifications of disease, and repair and replacement of tissue.

**4163 EVALUATION OF RADIOGRAPHS V** Continuation of 3150

**4164 INTRODUCTION TO QUALITY ASSURANCE** Evaluation of radiographic systems to assure consistency in the production of quality images. Regulations governing quality assurance, and the techniques, equipment, and procedures for attaining it.

**4760 CLINICAL EDUCATION VI** Continuation of 3851

# **RESPIRATORY THERAPY**

**Advisor:** Sarah Jerome, 450-5578

## **PURPOSES**

The objective of the professional curriculum in respiratory therapy is to provide learning experiences that will qualify its graduates to assume the professional responsibilities of a registered respiratory therapist. In addition to the attainment of academic knowledge and skill required for professional duties, students are guided toward development of the necessary communicative and personal skills for functioning smoothly on the health care team. The course of study is accredited by the Council on Medical Education, American Medical Association, and the Joint Review Committee for Respiratory Therapy Education.

In order to receive a degree from the University of Central Arkansas the student will be required to complete a minimum of 30 hours of residence credit at the University of Central Arkansas.

## **Bachelor of Science**

The Degree of Bachelor of Science, with a major in respiratory therapy requires successful completion of 124 hours, including 1) General Education component (p.); 2) Degree Requirements (p.); and 3) 43 hours of Professional Courses taken at UAMS and the VA Hospital in North Little Rock.

Program undergraduate requirements:

General Education Requirements (35 hours), CHEM 1401 and 1403 (8 hours), MATH 1390 (3 hours), BIOL 2405 and 2411 (8 hours), CSCI 1300 (3 hours), SOC 1300 (3 hours), PSYC 1300 (3 hours), PHYS 2410 (4 hours), SPCH 1310 (3 hours), Electives approved by the advisor (10 hours)

# **SPEECH-LANGUAGE PATHOLOGY**

**Interim Chair:** Mr. James Thurman, 450-3176

## **PURPOSES**

The undergraduate program in speech-language pathology provides the academic background necessary for professional education in speech-language pathology or audiology at the graduate level. The masters degree is the entry level for those who plan to pursue careers as speech-language pathologists in schools, hospitals, community centers, university clinics, and other professional settings. The undergraduate program provides basic content courses relating to the processes of speech, language, and hearing, with introductory courses in the disorders of human communication.

## **CLINICAL PRACTICUM**

The department maintains an on-campus Speech-Language-Hearing Center where student clinicians, under the supervision of faculty, licensed in speech-language pathology and/or audiology, provide evaluation and clinical service for infants, toddlers, children, youth, and adults with communication problems.

## **ADMISSION AND RETENTION**

All students declaring a speech-language pathology major are accepted as tentative candidates to the undergraduate program. Admission to SPTH 2300 (Introduction to Clinical Speech), SPTH 2322 (Applied Phonetics), SPTH 2302 (Basic Sign Language), and SPTH 4303 (Intermediate Sign Language) is open to all students. All other courses in speech-language pathology require formal admission to the program. Students apply for admission to the undergraduate program during the spring of their sophomore year.

Based on academic and personal qualifications of the applicant, admission to the B.S. Program in Speech-Language Pathology is granted without regard to race, color, creed, or national origin. Applicants must demonstrate proficiency in oral communication prior to admission to practicum courses. Admission to the program is **competitive** and **selective**. To be eligible to apply a student must meet the following

minimum requirements:

- A. Junior status with an overall undergraduate grade point average of 2.7
- B. A major grade point average of 3.0
- C. A formal interview with the faculty
- D. Three references from outside the department

Once admitted, a student's progress in the Speech-Language Pathology program is reviewed routinely. To remain in good standing the student must:

- A. Maintain a minimum overall grade point average of 2.7
- B. Maintain a minimum major grade point average of 3.0
- C. Observe the fundamental rules of ethical conduct as described in the Code of Ethics of The American Association of Speech-Language Pathology and Audiology (formerly the American Speech-Language Hearing Association).

## **BACCALAUREATE DEGREES**

### **Bachelor of Science**

The degree of Bachelor of Science, with a major in Speech-Language Pathology, requires completion of 1) The General Education component(p.); 2) Degree Requirements (p.); 3) Major Requirements (p.); and 4) the option to complete a minor as worked out with the students' minor advisor or the option to choose elective courses in consultation with the student's major advisor that would support the major.

**Major in Speech Pathology - 42 Hours**

**Related Area - 6 Hours**

SPTH 2300, 2306, 2321, 2322, 3300, 3301, 3310, 3311, 3320, 3325, 3326, 4110, 4111, 4115, 4116, 4220, 4320; PSYC 2330, 2370

## **Post-Baccalaureate Program in Speech-Language Pathology**

Students with a bachelor's degree in another area who meet the admission requirements of 2.7 GPA in their studies to date may be admitted to a post-baccalaureate program to complete undergraduate deficiencies. Admission is competitive and selective.

In order to continue in the post-baccalaureate undergraduate program students must maintain a 3.0 in speech-language pathology course work.

Prior to beginning the deficiencies below, students should complete SPTH 2300, Introduction to Clinical Speech, and SPTH 2322, Applied Phonetics with a minimum GPA of 3.0.

## **POST BACCALAUREATE**

### **Course Sequence**

#### **Fall (15 hrs) Spring (14 hrs)**

SPTH 2306 Anatomy SPTH 4220 Diag. & Planning

SPTH 2321 Normal Language SPTH 3300 Phonological Acquisition

SPTH 3311 Speech and Hearing Science SPTH 3320 Language Pathologies

SPTH 3310 Audiology SPTH 4320 Counseling

SPTH 3326 Diagnosis SPTH 3325 Fundamentals

\*SPTH 4304, Public School Speech Therapy, is recommended if you will be working in a school setting and may be taken during your graduate studies.





# COLLEGE OF LIBERAL ARTS

**DEAN:** Dr. Gary D. Stark, 450-3167 **ASSISTANT DEAN:** Dr. Peter Mehl

## MISSION

The College of Liberal Arts is a community of learned and learning people whose primary mission is to advance knowledge. Through teaching, advising, scholarly or creative endeavors, and community service, the faculty of the College seek to extend their own knowledge, the knowledge of their students, and the knowledge of other members of the larger community. By exploring and freely exchanging ideas, members of the College attempt to enhance the understanding and appreciation of different disciplines, cultures, and viewpoints.

The College provides all university students with a broad education in the liberal arts. The goal of such a liberal undergraduate education is threefold:

- to introduce students to a variety of disciplines and categories of human knowledge so that they may discover, develop, and use their full range of abilities;
- to provide students with a basic foundation of knowledge on which more advanced learning in the various disciplines and majors can later build; and
- to help prepare students to become well-rounded, flexible human beings who will feel at home in a complex and constantly changing global community and who will function effectively in it.

In addition to general education courses for all students, the College of Liberal Arts provides opportunities for more comprehensive learning in a number of academic areas. Students who choose one of the College's major or minor undergraduate programs of study in the arts, begin to master the knowledge and research methods of a particular field of learning and, as appropriate, to prepare for a career. Graduate programs in English, History, Spanish, and Sociology are provided for post-baccalaureate students who wish a more advanced, focused education in these areas. Through public exhibits, lectures, conferences, and other cultural offerings, the College also provides members of the university and the general community with numerous opportunities for intellectual and personal growth. The college consists of the following departments:

English Geography, Political Science, History

Foreign Languages & Sociology Philosophy



**Programs with departmental Honors:**

English Philosophy Spanish

French Political Science Speech

Geography Sociology Theatre

History

**Degrees Offered:**

**Associate of Arts:**

General Studies

**Bachelor of Arts:**

English

French

Geography

History

Philosophy

Political Science

Spanish

Sociology

**Bachelor of Science:**

Geography

History

Philosophy

Political Science

Public Administration

Sociology

**Bachelor of Science in Education:**

Social Studies

**Pre-Professional Studies:**

Pre-Law

**Master of Arts:**

English

History

**Master of Science:**

Sociology

**Master of Science in Education:**

History

Spanish

# ENGLISH

**Chair:** Dr. Terry Kearns, 450-5100

## PURPOSES

The two-fold objective of the Department of English is (1) to improve the abilities of students in understanding, writing, and speaking the English language and (2) to increase their pleasure in and knowledge of literature as an art form.

Courses in composition stress fluency in writing, principally of an expository nature; emphasis is on effectiveness and organization of thought. Various approaches to English grammatical structure increase the student's communication skills. Courses in literature are varied in such a fashion that general overall views of world literature, British literature, and American literature are presented in addition to period courses, "figure" courses, and genre courses which allow greater in-depth study.

English majors will have had a strong foundation, both in studies in the English language and in several areas of literature, even though they may have a variety of choices within given categories. The English major may qualify to enter graduate school in English, to teach on the secondary level, or to pursue professional training.

A number of courses, particularly those on the sophomore level, are specifically designed as general education courses and are intended primarily to acquaint the student who majors in other fields with such literature as will broaden understanding of the human experience.

## THE HONORS PROGRAM IN ENGLISH

As early as the sophomore year, and no later than the first semester of the junior year, an English major may be invited to study for an honors degree in English. To earn an honors degree the following conditions must be met:

1. Consent of the chair of the Department of English.
2. Maintenance of a 3.5 grade point average in the major.
3. Successful completion of ENGL 4300, the examination for which will be oral and conducted by three members of the English faculty.
4. An acceptable essay based upon reading done in ENGL 4300 and submitted in the senior year to the

professor who directed the reading program.

## **BACCALAUREATE DEGREES**

### **Bachelor of Arts/Bachelor of Science in Education**

The degree of Bachelor of Arts, with a major in English, requires successful completion of at least 124 hours, including 1) 36 hours in English; 2) General Education component (p.); 3) Degree Requirements (p.); and 4) a minor as worked out with the student's minor advisor.

#### **Major in English - 36 Hours**

Thirty-six hours of English of which at least 21 must be upper division.

ENGL 1320; 2310; 2311; 2312; 2313; 3301; 3312; a genre course; a period course; a figure course; two upper division English electives, 6 hours.

#### **Minor in English - 27 Hours**

Twenty-seven hours of English of which at least 12 must be in upper division courses.

ENGL 1320; 2310; 2311; 2312; 2313; 3301; 3312; two upper division English electives, 6 hours.

**MASTER'S DEGREES-** See Graduate Catalog.

## **COURSES IN ENGLISH**

**1310 COMPOSITION I** Improvement of communication skills; writing of essays, particularly of an expository nature; study of basic linguistic principles underlying English language structure. Required in all curricula in the freshman year. Fall, spring, summer.

**1320 COMPOSITION II** Continued practice in communication skills, with emphasis upon writing and the reading of representative examples of major literary types. Required in all curricula in the freshman year. Prerequisite to all advanced courses in English. Prerequisite: ENGL 1310. Fall, spring, summer.

**2305 WORLD LITERATURE I**



- 4311 THE NEO--CLASSICAL PERIOD** Major writers from the Restoration to the end of the Eighteenth Century. Prerequisite: ENGL 1320. On demand.
- 4312 AMERICAN PROVINCIAL LITERATURE** American Literature from its beginnings to 1830. Prerequisite: ENGL 1320. Spring, even years.
- 4320 THE ROMANTIC PERIOD** English Romanticism from its Eighteenth Century precursors through major Romantic writers of prose and poetry. Prerequisite: ENGL 1320. On demand.
- 4321 THE VICTORIAN PERIOD** Poetry and prose of major English writers of the latter part of the Nineteenth Century. Prerequisite: ENGL 1320. On demand.
- 4330 SHAKESPEARE I** Historical, lingual, and critical study of representative comedies, tragedies, and history plays, and an introduction to Shakespeare's non-dramatic poetry. Prerequisite: ENGL 1320. On demand.
- 4331 SHAKESPEARE II** Similar to Shakespeare I, using other plays in each of the several genres, and narrative poems. Prerequisite: ENGL 1320. On demand.
- 4340 CHAUCER** Chaucer's major works viewed against the background of medieval life and thought. On demand.
- 4341 MILTON** Milton's major poems and selected prose viewed against the background of Seventeenth-Century life and thought. On demand.
- 4342 THE SEVENTEENTH CENTURY** Non-dramatic writings from 1603 to 1660, exclusive of Milton. On demand.
- 4343 TUDOR-STUART DRAMA (EXCLUDING SHAKESPEARE)** Using representative plays, an examination of the dramatic literature of the late 16th and the early 17th Centuries (excluding Shakespeare). Prerequisite: ENGL 1320. On demand.
- 4344 ENGLISH DRAMA 1660 TO PRESENT** English Drama from the reopepr Cdis EoSse9f the SWycer ley, Congrven,Drayden, Goldsmith,Sharicdan, \ndemand.
- 4335 AMERICAN P MODERNISM, 190014.45Tj /F1'**
- 43253AMERICAN PROSTMODERNISM, 1945TO I**



ENGL 1320. On demand.

**4373 19TH CENTURY ENGLISH NOVEL** English novels of the Nineteenth Century. Prerequisite: ENGL 1320. On demand.

**4374 20TH CENTURY ENGLISH NOVEL** English novels of the Twentieth Century. Prerequisite: ENGL 1320. On demand.

**4375 20TH CENTURY ENGLISH POETRY** English poetry of the Twentieth Century. Prerequisite: ENGL 1320. On demand.

**4380 AFRICAN AND AFRICAN-AMERICAN LITERATURE** A survey of African and African-American literature from the Eighteenth Century to the present. Prerequisite: ENGL 1320. Annually



## **CREDIT BY EXAMINATION**

Students who have studied a foreign language in which they are not native speakers, and have not previously received undergraduate credit in that language at a college or university, may receive credit by examination. Such credit is limited to a maximum of six hours in a language or twelve hours within the department and is granted by fulfilling the following criteria:

1. Achievement of a satisfactory score on a proficiency examination administered by the Department of Foreign Languages.

advisor.

### **Major in French or Spanish - 30 Hours**

A Major in French or Spanish requires 1) A minimum of thirty hours of courses at the 2310 level or above. These thirty hours must include:

1. Courses 3300 and 3303
2. Three hours of culture and civilization (3312, 3313 or 4396)
3. Three hours of literature (3320, 3321 or 4395)
4. French 4350 (for French majors only).

2) Satisfactory performance on proficiency tests upon entrance to and exit from the major program. A minimum grade of 2.0 must be earned in each course applying to the major program.

### **Minor in French, German, or Spanish - 18 hours**

A minor in French, German, or Spanish requires 1) A minimum of eighteen hours at the 2310 level or above. These eighteen hours must include:

1. Course 3300
2. Course 3303 (Spanish and German); course 3303 or 4350 (French)
3. Three hours of culture and civilization (3312, 3313 or 4396)
4. Three hours of literature (3320, 3321 or 4395)

2) Satisfactory performance on proficiency tests upon entrance to and exit from the program. A minimum grade of 2.0 must be earned in each course applying to the minor program.

### **Bachelor of Arts with certification**

A program leading to state certification is available for prospective teachers. This preparation requires successful completion of the Teacher Education Program (p.) in addition to the Bachelor of Arts program outlined above. For additional information, contact the certification officer on campus.

## **PROFICIENCY TESTS**

All foreign language majors and minors will be required to take a general proficiency test in the language before enrolling in upper division courses. An exit examination in the language, literature, and culture of the target language is also required for all majors and minors during the senior year. Additional courses will be required for students with deficiencies.

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN FOREIGN LANGUAGE**

**1300 ELEMENTARY LANGUAGE I** Offered in a designated foreign language in response to student interest. Emphasis on grammatical concepts leading to a basic reading ability and/or oral/aural skills. On demand.

**2315 CULTURAL TRADITIONS** Examination of one or more foreign culture groups, their personal and group values and ways of life as reflected in literature, illustrated through short stories, essays, short novels, and films. May be repeated for credit under different topics. May not be presented as part of the Foreign Language requirement for the B.A. degree. Satisfies three hours of the humanities component of the General Education Program. Fall, spring.

**4315 METHODS OF TEACHING FOREIGN LANGUAGE** Modern methods of instruction in foreign language and culture. Materials, planning and classroom techniques are emphasized. May not be presented as part of the foreign language major or minor requirements. Prerequisite: Permission of department. On demand.

## **COURSES IN FRENCH**



of department. On demand.

**3321 FRENCH LITERATURE II** French literature since 1800. Prerequisite: FREN 3300 or permission of department. On demand.

**4310 HONORS THESIS** Tutorial taken in the senior year by students who are invited to enter the honors program in French. A reading list chosen by the student and his tutor will provide the foundation for a thesis to be written by the honors candidate. To qualify for honors, the student must earn a grade of A or B on the thesis. Prerequisite: By departmental invitation only.

**4350 ADVANCED CONVERSATION AND PHONETICS** Development of advanced oral proficiency including a study of French pronunciation habits. Prerequisite: French 2320 or permission of the department. On demand.

**4395 ADVANCED FRENCH LITERATURE:** Theme course. Special studies in various genres, literary movements or authors. May be repeated for credit under different topics. Prerequisite: Two 3000 level courses or permission of department. On demand.

**4100, 4200, 4300**

**INDEPENDENT STUDY IN FRENCH** Prerequisite: Permission of the department. On demand.

## **COURSES IN GERMAN**

**1111 BASIC GERMAN COMMUNICATION** Oral practice in basic German communication for social and travel situations. Laboratory setting. Concurrent enrollment in 1310 or some previous language experience.

**1211, COMMUNICATING IN GERMAN I AND II** Oral practice of German

**2212** in social, travel, and business situations. On demand.

**1305 READING GERMAN** Introduction for beginning students who wish to concentrate on developing reading skills. Specialized articles in the natural sciences, humanities, and social sciences will be read. Satisfies three hours of the humanities elective in the General Education Program. On demand.

**1310 ELEMENTARY GERMAN I** Beginning study of German. Basic comprehension and communication skills are emphasized. Fall, spring.

**1320 ELEMENTARY GERMAN II** Continued practice in comprehension and communication skills. Prerequisite: GERM 1310 or permission of department. Fall, spring.

**2310 GERMAN CONVERSATION AND COMPOSITION I** Basic review with practice in listening and reading comprehension and in oral and written communication. Prerequisite: GERM 1320 or permission of department. On demand.

**2320 GERMAN CONVERSATION AND COMPOSITION II** Continued practice in comprehension

and communication skills with additional emphasis on active use of reading and writing skills. Prerequisite: GERM 2310 or permission of department. On demand.

**2330 BUSINESS GERMAN** Special applications of German to the business environment. Emphasis on a broad range of topics related to the needs of people working or living in the German business community. On demand.

**3160, PRACTICUM** Designed to enhance

**3260** communication skills and cultural knowledge through participation in authentic language experiences. May be repeated for six hours, but a maximum of three hours may be applied to the major or minor program. Prerequisite: GERM 2310 or permission of department. On demand.

**3300 ADVANCED COMPOSITION AND CONVERSATION I** Intensive practice in writing and speaking idiomatic German, including business and social correspondence. Prerequisite: GERM 2320 or permission of department. On demand.

**3303 ADVANCED COMPOSITION AND CONVERSATION II** Continued practice in writing and speaking idiomatic German, including business and social correspondence. Prerequisite: GERM 2320 or permission of department. On demand.

**3312 GERMAN CIVILIZATION** Survey of historical, literary, and artistic elements of German society with an analysis of modern German customs and social problems. Prerequisite: GERM 2310 or permission of department. On demand.

**3320 INTRODUCTION TO GERMAN LITERATURE** Prerequisite: GERM 2310 or permission of department. On demand.

**4350 GERMAN GRAMMAR AND PHONETICS** In-depth examination of the elements of German grammar along with a study of the phonetic principles of the language. Prerequisite: GERM 2320 or permission of department. On demand.

**4395 ADVANCED GERMAN LITERATURE:** Theme course. Special studies in various genres, literary movements or authors. May be repeated for credit under different topics. Prerequisite: Two 3000 level courses or permission of department. On demand.

**4100, 4200, 4300**

**INDEPENDENT STUDY IN GERMAN** Prerequisite: permission of the department. On demand.

## **COURSES IN JAPANESE**

**1310 ELEMENTARY JAPANESE I:** Beginning study of Japanese. Basic skills are emphasized. Fall.

**1320 ELEMENTARY JAPANESE II:** Continuation of the study of grammar and communication skills. Prerequisite: JAPN 1310 or permission of instructor. Spring.



**2310 JAPANESE CONVERSATION AND COMPOSITION I** Continuation of structure and skills development. Prerequisite: JAPN 1320 or permission of instructor. On demand.

## **COURSES IN LATIN**

**1310 ELEMENTARY LATIN I** Beginning study of Latin. Grammar and reading skills are emphasized. On demand.

**1320 ELEMENTARY LATIN II** Continuation of the study of grammar and development of reading and translation skills. Prerequisite: LAT 1310 or permission of instructor. On demand.

**2310 INTERMEDIATE LATIN I** Continued development of reading and translation skills.  
.8618 0 Td ( Continu)Tj /F17 1 Tf 13.8618 0 Td ( Continuationson of instructor. On demand.)Tj /F12 1 T

**1320 ELEMENTARY LATIN II**

emphasized. Fall, spring.

**1320 ELEMENTARY SPANISH II** Designed for students with some previous experience in Spanish. Continued study of the elements of Spanish and practice in communication skills. Prerequisite: SPAN 1310 or permission of department. Fall, spring.

**2300 INTERMEDIATE SPANISH** Practical communication skills with emphasis on intermediate grammar using culturally authentic materials. Designed for the non-specialist, in particular, the B.A. student. (Does not apply toward major/minor requirements.) Prerequisite: SPAN 1320 or permission of the department. Fall, spring.

**2310 SPANISH CONVERSATION AND COMPOSITION I** Basic review followed by active use of reading, writing, speaking and listening skills. Prerequisite: SPAN 1320 or permission of department. Fall, spring.

**2320 SPANISH CONVERSATION AND COMPOSITION II** Basic review followed by practice in oral and written communication. Prerequisite: SPAN 2310 or permission of department. On demand.

**2330 BUSINESS SPANISH** Special applications of Spanish to the business environment. Emphasis on a broad range of topics related to the needs of people working or living in the Spanish business community. Prerequisite: SPAN 2300 or permission of department. On demand.

**3160, 3260**

**PRACTICUM IN SPANISH** Designed to enhance communication skills and cultural knowledge through participation in authentic language experiences. May be repeated for six hours, but a maximum of three hours may be applied to the major or minor program. Prerequisite: SPAN 2310 or permission of department. On demand.

**3303 ADVANCED GRAMMAR AND COMPOSITION I** Intensive practice in writing and speaking idiomatic Spanish, including business and social correspondence. Prerequisite: SPAN 2310 or permission of department. Fall.

**3303 ADVANCED GRAMMAR AND COMPOSITION II** Continued practice in writing and speaking idiomatic Spanish, including business and social correspondence. Prerequisite: SPAN 2310 or permission of department. Spring.

**3312 SPANISH CIVILIZATION** Survey of historical, literary, and artistic PAN 1320 or permission of department. On demand.

**3398 TRAVEL SEMINAR IN MEXICO** Cross-listed with History and Sociology. Intensive study in Mexico on various levels. Classes in Spanish Conversation, Mexican/Latin American History, Culture, and Literature. Living accommodations in dormitories or with Mexican families. May be offered for satisfaction of the B.A. foreign language requirement only if one other Spanish course is taken in residence. Prerequisite: Permission of department. Summer only.

**4310 HONORS THESIS** Tutorial taken in the senior year by students who are invited to enter the honors program in Spanish. A reading list chosen by the student and his tutor will provide the foundation for a thesis to be written by the honors candidate. In order to qualify for honors, the student must earn a grade of A or B on the thesis. Prerequisite: By departmental invitation only.

**4350 ADVANCED GRAMMAR AND PHONETICS** In-depth examination of the elements of Spanish grammar along with a study of the phonetic principles of the language. Prerequisite: SPAN 3300 or 3303 or permission of department. On demand.

**4395 ADVANCED HISPANIC LITERATURE:** Theme course. Special studies in various genres, literary movements, or authors. May be repeated for credit under different topics. Prerequisite: Two 3000 level courses or permission of department. On demand.

**4396 STUDIES IN HISPANIC CIVILIZATION:** Theme course. Special studies relating modern analytical essays and writings to sociological, political, cultural and philosophical aspects and/or trends in the Spanish-speaking world. May be repeated for credit under different topics. Prerequisite: Two 3000 level courses or permission of department. On demand.

**4100, 4200, 4300**

**INDEPENDENT STUDY IN SPANISH** Prerequisite: permission of the department. On demand.

# **GEOGRAPHY**

**Chair:** Dr. Ronn Hy

## **PURPOSES**

The programs of study in Geography are designed to meet the following needs:

- . acquaint students with the contribution of geography to the understanding of the world through the study of its varied physical and human environments and the spatial relationships that exist between them.
- . give students a fundamental background in human-natural environment relationships in preparation for geography-related positions in environmental planning, natural resources management, urban and regional planning and development, water resources, cartography, education, and geographic information systems.
- . prepare students for advanced work in geography at the graduate level.

listed below; 4) a minor as worked out with the student's advisor.

### **Major in Geography - 37 hours**

Geography core includes 1315, 1320, 2361, 2362, 2345, 3375, 4 hours of Field Studies (3120, 3320), 4391 plus 12 hours of geography courses, at least 9 of which must be upper division.

### **Minor in Geography - 24 hours**

Geography core includes 1315, 1320, 2361, 2362, 2345 plus 9 hours of geography courses, at least 6 of which must be upper division.

## **Bachelor of Science**

The degree of Bachelor of Science, with a major in geography, requires successful completion of 124 hours, including 1) General Education component (p.); 2) Degree Requirements (p.); 3) the geography courses listed below; 4) a minor as worked out with the student's advisor.

### **Major in Geography - 37 hours**

Geography core includes 1315, 1320, 2361, 2362, 2345, 3375, 4 hours of Field Studies (3120, 3320), 4391 plus 12 hours of geography courses, at least 9 of which must be upper division.

### **Minor in Geography - 24 hours**

Geography core includes 1315, 1320, 2361, 2362, 2345 plus 9 hours of geography courses, at least 6 of which must be upper division.

## **COURSES IN GEOGRAPHY**

**1305 PRINCIPLES OF GEOGRAPHY** Fundamental concepts of the discipline of geography. Basic relationships between human society and the physical environment and regional differences and similarities. Fall, spring, summer.

**1315 INTRODUCTION TO PHYSICAL GEOGRAPHY** A topical assessment of the spatial diversity of the natural environment including landforms, weather and climate, soils, vegetation and water along with their significance in terms of human occupation of the earth. Fall, spring, summer.

**1320 INTRODUCTION TO HUMAN GEOGRAPHY** An examination of the spatial variability of human characteristics on the surface of the earth. Topics include the geography of culture, population, settlement, urbanization, agriculture, economic and political activities. Fall, spring, summer.

**2302 CONSERVATION AND LAND USE** Assessment of the physical, social, economic, and political considerations in the examination of major natural resource issues of the world with emphasis on the United States. Historical development and contemporary application of the conservation philosophy are discussed. Fall.

**2330 QUANTITATIVE METHODS IN GEOGRAPHY** The uses of descriptive, inferential and relational statistics as these techniques are employed in spatial analysis; also included will be that set of quantitative methods used in conjunction with map analysis called spatial statistics. Fall.

**2345 GEOGRAPHIC INFORMATION TECHNIQUES** An introduction to the geographic display of data on maps. Emphasized is the nature of maps and their interpretation, data sources, descriptive statistical analysis, and elementary digital thematic map construction. Fall, spring.

**2361 WORLD REGIONAL GEOGRAPHY I** Survey of major regions of the developed world and introduction to key geographical concepts. Contemporary regional patterns, perspectives, and problems will be presented. Fall.

**2362 WORLD REGIONAL GEOGRAPHY II** Survey of major regions of the developing world and introduction to key geographical concepts. Contemporary regional patterns, perspectives, and problems will be presented. Spring.

### **3120, 3320**

**FIELD STUDIES** Participation in group field work. Systematic examination of physical and/or cultural geography of a selected area of the United States under the guidance of the instructor. Participation in University-sponsored group field studies (including those international in scope) outside the departmental curriculum can be substituted, with prior permission obtained from the chair. Two field studies with a minimum of 4 credit hours required. Prerequisite: GEOG 1315 or 1320 and consent of instructor. Fall, spring, summer.

**3302 ARID LANDS GEOGRAPHY** Arid and semi-arid environments, their geographic distribution, climate, landforms, natural resources, plants and animals, and human settlement. Prerequisite: GEOG 1315 or consent of instructor. Spring, odd years.

**3305 ECONOMIC GEOGRAPHY** Description and explanation of the location of economic activities. Classical location theories of von Thunen, Weber, Christaller and others are emphasized. In addition, the evaluation of physical and human resources in relation to productive activity. Fall, even years.

**3306 REMOTE SENSING AND IMAGE INTERPRETATION** An examination of the science of remote sensing including the study of photographic and nonphotographic techniques, the principles of acquiring and interpreting data collected by photographic and nonphotographic sensors, digital image processing, and the relationship between remote sensing and geographic information systems. Spring.

**3315 GEOGRAPHY OF LATIN AMERICA** Examination and comparison of the various nations that comprise Latin America with emphasis upon the social and economic problems that historically affect this region's development. Prerequisite: GEOG 2310 or consent of instructor. Spring, odd years.

**3325 URBAN AND REGIONAL PLANNING** Macrosatial analysis of planning techniques and case studies as evolving and practiced in the U.S. today. Emphasis will be upon the rapidly changing trends, philosophies, and techniques in the planning field, with contemporary statistical analysis and GIS (Geographic Information Systems) of special interest. Spring, even years.

**3333 GEOGRAPHY OF NATURAL HAZARDS** Geomorphic and atmospheric phenomena that represent real hazards to the population (floods, tornadoes, hurricanes, earthquakes). Human responses to these various natural hazards are assessed and common adjustments identified. Prerequisite: GEOG 1315 or consent of instructor. Spring, even years.

**3351 WEATHER AND CLIMATE** Identification and assessment of atmospheric processes through investigation of the weather variables. T4.9c Infntrends,mph(r.Tdly weathernfoe catds areDscrbed an5

**3615 GEOGRAPHY OF LANDFORMS** Examinations,pladnforends,mph( earth'ssurface includinh)T  
or consent of instructor. Spring, even years.

**3571 URBAN GEOGRAPHY**

**3385 GLOBAL FOOD RESOURCES** Global study of past and present patterns of food production, consumption, and problems. Examination of the specific environmental conditions and cultural complexes which significantly influence food production and diet. Prerequisite: GEOG 1315 and 1320 or consent of instructor. Fall, odd years.

**3399, 3699**

**INTERNSHIP IN GEOGRAPHY** Practical work experience in an academic format. The student is assigned to a specific agency for a minimum of 150 hours during the semester enrolled. The course is normally taken for 3 credit hours but can be 6 credit hours if assigned project requires additional time. Credit hours will be determined as a result of the student's consultation with the Departmental Internship Director. Prerequisite: 15 semester hours in geography and permission of Departmental Internship Director. Fall, spring, summer.

**4123 SENIOR SEMINAR** Seminar designed to expose the student to important geographic philosophies and topics not normally discussed in depth during systematic course presentations. Students expecting to attend graduate school are encouraged to enroll. Team taught. Prerequisite: Consent of department chair. On demand.

**4304 WATER RESOURCES** Occurrence, distribution, and movement of water on and beneath the surface of the earth; the integration of water into human activities - floods, drainage, irrigation, water power, navigation, municipal and rural water supplies, industry, and water pollution. Prerequisite: GEOG 1315 or consent of instructor. Spring, even years.

**4305 SOILS** Introduction to soils including soil properties, components, controls, soil-forming processes, classification, conservation and management, and use of soil surveys. Prerequisite: GEOG 1315 or consent of instructor. Fall, even years.

**4308 OCEANOGRAPHY** Introduction to oceanic environments, distribution, ocean basin topography, physical and biological characteristics, marine climate, currents, ecology, and politics. Emphasis on the oceanic physical environment and natural resources. Prerequisite: GEOG 1315 or consent of instructor. Spring, odd years.

**4313 RECREATION AND TOURISM** Analysis of physical, economic, and social aspects of outdoor recreation and tourism. Special emphasis on outdoor recreation activity in the United States and Arkansas. Spring, odd years.

**4325 PERSPECTIVES ON HUMAN GEOGRAPHY** A seminar-oriented analysis of 1 TD (432.vihtros



initiate investigation into a contemporary student-identified geographic problem and develop a research proposal. Prerequisite: Junior status, 15 hours of geography courses, and a course in quantitative methods with a passing grade. Fall, spring on demand.

**4395 GEOGRAPHY OF INTERNATIONAL BUSINESS** An analysis of the growth and spread of international business with emphasis on those geographical factors that contribute to its creation and the different geographical environments in which it functions. On demand.

**4160, 4260, 4360**

**SPECIAL PROBLEMS IN GEOGRAPHY** Experience in observing and interpreting geographic phenomena. Credit from 1 to 3 semester hours may be earned in 1 semester. May be repeated for a total of 6 hours, but only 3 hours can be applied toward the major. Prerequisite: 12 semester hours in geography and consent of instructor. Fall, spring, summer.

# **POLITICAL SCIENCE**

**Chair:** Dr. Ronn Hy

## **PURPOSES**

The political science curriculum is designed to satisfy the needs of (1) those students desiring to major or minor in political science; and (2) those students majoring in other fields of study who elect to include courses in political science as a part of their general requirements. In addition, the department administers an undergraduate program in public administration with the goal of preparing students for careers in local, state, and/or federal governments.

Courses offered deal with the place of politics in society and contribute to an understanding and appreciation of the purposes, organization, and operation of domestic and international political systems.

## **THE HONORS PROGRAM IN POLITICAL SCIENCE**

Senior students who have demonstrated exceptional achievement in political science may participate in the honors program. Requirements are:

1. Major in political science, including public administration;
  - Possess a minimum overall grade point average of 3.25 and a 3.4 grade point average in political science/public administration;
3. Enrollment in PSCI 4399 during first semester of senior year; and
4. Departmental approval of the honors research project prior to graduation.

## **BACCALAUREATE DEGREE**

**Bachelor of Arts/Bachelor of Science**



The degree of Bachelor of Science, with a major in Public Administration, requires successful completion of 124 hours, including 1) the General Education component (p.); 2) MATH 1390 or 1395, and 2311; 3) the major listed below. No minor is required.

### **Major in Public Administration-60 Hours**

**Core Requirements:** (39 hours) PSCI 1330; 2340; 3360; 3361; 4610; ACCT 2310; 2311; 4304; ECON 2320; 2321; MGMT 3340; and GEOG 3305.

**Areas of Special Emphasis:** (21 hours) A minimum of six semester hours from two of the following "areas of special emphasis" and nine semester hours electives from any of these areas:

**Public Management:** ECON 4344; MGMT 4345; 4348; FINA 3330; ACCT 3314; PSCI 4334; 4391

**Public Policy:** PSCI 4300 or 4301, 4335, 4336, 4391

**Planning:** PSCI 4336, 4351; GEOG 2302, 2340, 3371, 4313.

### **COURSES IN POLITICAL SCIENCE**

**1330 UNITED STATES GOVERNMENT AND POLITICS** Principles and problems of American government and politics. Fall, spring.

**2300 INTERNATIONAL RELATIONS** Methods and techniques used in the conduct of relations between nation-states, with special study of the causes of international crises. Fall, spring.

**2320 INTRODUCTION TO COMPARATIVE POLITICS** A study of the concepts and methods of comparative politics, with a special emphasis on comparing how the types and forms of political systems develop and adapt to changing circumstances. Prerequisite: PSCI 1330. Fall, on demand.

**2340 STATE AND LOCAL GOVERNMENT** Survey of state and local government with particular reference to the changing problems faced by these units of government. Fall, spring.

**3312 STATISTICAL METHODS FOR POLITICAL ANALYSIS** Introduction to descriptive and inferential statistics, hypothesis testing, and displaying of data in various formats. This course replaces 3311 Scope and Methods. Prerequisite: PSCI 1330. Fall.

**3313 RESEARCH DESIGN** An in-depth examination of strategies available for performing social science research. Includes experimental, quasiexperimental, non-experimental and survey research designs. Prerequisite: PSCI 3312. Spring.

**3330 POLITICAL PARTIES AND ELECTORAL PROBLEMS** History, organization and operation of American political parties, with emphasis on electoral behavior. Prerequisite: PSCI 1330. Spring, on demand.

**3340 GOVERNMENTS OF EUROPE** Comparative study of the political systems of selected European countries. Prerequisite: PSCI 1330 and 2300. Spring, odd years.

**3360 PUBLIC ADMINISTRATION** Introduction to the concepts, structures and procedures of the bureaucratic process. Prerequisite: PSCI 1330. Fall.

**3361 PUBLIC POLICY** The public policy process, with focus on various theories of public policy and specific policy areas. Prerequisite: PSCI 1330. Spring.

**3370 POLITICAL THEORY I** Western political thought from the early Greeks to the Nineteenth Century. Prerequisite: PSCI 1330. Fall.

**3371 POLITICAL THEORY II** Descriptive analysis of the normative and empirical aspects of political thought from the nineteenth century to the present. Prerequisite: PSCI 1330. Spring.

**3372 POLITICAL BEHAVIOR** Various techniques of empirical research in political science with particular emphasis on the analysis of public opinion, electoral behavior, and other forms of political behavior. Prerequisite: PSCI 1330 and 3311. Spring, on demand.

**3375 THE AMERICAN JUDICIAL SYSTEM** The U.S. legal system with emphasis upon the structure of federal and state courts, court procedure, the role of lawyers and judges, and the political impact of court decisions. Prerequisite: PSCI 1330. Fall, on demand.

**3382 POLITICS OF DEVELOPING NATIONS** "Third World" politics and government with analysis of current trends and developments, including the relationship between western nations and those of the "Third World." Prerequisite: PSCI 1330. Spring, even years.

**4300 CONSTITUTIONAL LAW** The Constitution of the United States, focusing on the work of the United States Supreme Court and the effects of its decisions upon the political system of the United States. Prerequisite: PSCI 1330. Fall.

**4301 CIVIL LIBERTIES** The historical background, judicial decisions and contemporary social criticisms regarding civil liberties. Focus on the Bill of Rights. Prerequisite: PSCI 1330. Spring.

**4310 INTERNATIONAL POLITICAL ECONOMY** The politics of international economic relations, with an emphasis on the conflicts between the First and Third worlds. Prerequisite: PSCI 1330. Fall, even

years.

**4331 AMERICAN POLITICAL THEORY** Major theoretical ideas and issues of American political thought from the colonial period to the present. Prerequisite: PSCI 1330. Fall, odd years.

**4334 THE AMERICAN PRESIDENCY** The U.S. Presidency, nomination, election, responsibilities and powers and principles of contemporary executive-legislative relationships. Prerequisite: PSCI 1330. Fall, on demand.

**4335 THE AMERICAN CONGRESS** The U.S. Congress and Arkansas state legislature, examining how people are nominated and run for these legislative offices, how the legislative branch is organized, and legislative procedures. Prerequisite: PSCI 1330. Spring, on demand.

**4336 CITY GOVERNMENTS AND POLITICS** Large and small city governments in the U.S. and Arkansas. Government institutions that make local policies are examined, as are the following problem areas: taxing, spending, revenue-sharing, education, policy, crime, and welfare. Prerequisite: PSCI 1330. Spring, odd years.

**4340 SEMINAR SELECTED TOPICS** Investigation of a significant issue or field of study in political science. Prerequisite: Junior, Senior, or approved graduate standing with the prerequisites varying according to the topic and degree of specialization required. On demand.

**4345 POLITICAL SYSTEMS OF SUB-SAHARAN AFRICA** The study of political systems in Sub-Saharan Africa with case studies of selected countries. Special problems of multi-racial and multi-cultural societies are examined. Prerequisite: PSCI 1330 and 2300. Fall, even years.

**4346 INTERNATIONAL LAW** Elements of international law as interpreted and applied by the United States, particularly focusing on the evolution of law in the international system. Prerequisite: PSCI 1330 and 2300. On demand.

**4351 COMMUNITY AND REGIONAL PLANNING** Concepts and techniques of community and regional planning, with emphasis on the analysis of the community power structure. Prerequisite: PSCI 1330. Spring, even years.

**4388 AMERICAN FOREIGN POLICY** Foreign Policy of the United States with emphasis on policies in the present century, current trends, and the foreign policy decision-making process. Prerequisite: PSCI 1330 and 2300. Spring, even years.

**4391 GOVERNMENT BUDGETING** Administrative and political aspects of budgeting. Attempts to integrate the process of budgeting with the formulations of public policy alternatives. Prerequisite: PSCI 1330 and 3360. Spring, on demand.

**4395 WAR: THE POLITICS OF VIOLENCE** An investigation of the phenomena of war. The etiology of war and its utility in the modern age will be the primary foci. Spring, odd years.

**4610 INTERNSHIP IN PUBLIC ADMINISTRATION** A structured, supervised learning experience in a government or public-related agency. Prerequisite: Completion of major requirements. Fall, spring.

**4199, 4299, 4399, 4499**

**STUDIES IN POLITICAL SCIENCE** Independent studies course in political science designed to meet

the individual needs of a student. Credit from one to four hours may be earned in one semester. The work is chosen by the student and his tutor with the approval of the department chair. Prerequisite: Consent of instructor and department chair. On demand.

# **SOCIOLOGY**

**Chair:**



The degree of Bachelor of Arts, with a major in sociology, requires successful completion of 124 hours, including 1) General Education component (p.); 2) Degree Requirements (p.); 3) Completion of the courses listed below; and 4) a minor as worked out with the student's minor advisor.

### **Major in Sociology - 30 Hours**

SOC 1300, 2320, 2321, 4330, 4360; Sociology electives, 15 hours.

### **Minor in Sociology - 18 Hours**

Eighteen hours of sociology, nine hours of which must be in upper division.

## **Bachelor of Science**

The degree of Bachelor of Science, with a major in sociology, requires successful Completion of 124 hours, including 1) General Education component (p.) 2) Degree Requirements (p.); 3) completion of the courses listed below; and 4) a minor as worked out with the student's minor advisor.

### **Major in Sociology - 30 Hours**

SOC 1300, 2320, 2321, 4330, 4360; Sociology electives, 15 hours.

### **Minor in Sociology - 18 Hours**

Eighteen hours of sociology, nine hours of which must be in upper division.

**MASTER'S DEGREE**-See Graduate Catalog

## **COURSES IN SOCIOLOGY**

**1300 PRINCIPLES OF SOCIOLOGY** Introduction to the basic conceptual and methodological principles of sociology as an academic discipline for understanding the structure and patterns of human social life. Fall, spring, summer.

**1302 ANTHROPOLOGY** Introduction to the field of anthropology, including surveys of physical and cultural anthropology, with emphasis on basic anthropological concepts; the nature of culture and social organization. Fall, spring.

**1325 SOCIAL PROBLEMS** Contemporary social problems, their causes, and proposed solutions. Topics include: economic inadequacies; racial and sexual inequality; job dissatisfaction; institutional problems in education, the family, health care, and criminal justice; and personal and group responses to these problems ranging from alcoholism to collective violence. On demand.

**2320 SOCIAL RESEARCH** Introduction to the logic of social scientific inquiry with emphases on varieties of data and the application of standard analytical procedures. Prerequisite: SOC 2321. Spring.

**2321 SOCIAL STATISTICS** An introduction to descriptive and inferential statistics for analyzing data in sociological research. Topics covered include measures of central tendency and variability in frequency distributions, tests of statistical significance, and bivariate measures of association. No credit will be awarded in more than one introductory statistics course. Fall.

**2342 SOCIOLOGY OF YOUTH** Identification of behaviors that indicate the strengths and needs of troubled youth under stress situations, with emphasis on institutional stress conditions. Prerequisite: SOC 1300. On demand.

**3310 MINORITY RELATIONS** The economic, political, and social position of minority groups in the United States including European immigrants, African Americans, Mexican Americans, Native Americans, and Asian Americans. Special attention will be given to sources of conflict between the dominant groups and strategies for social change. Prerequisite: SOC 1300. Spring, odd years.

**3315 NATIVE AMERICAN CULTURES** A study of the traditional lifeways of early Native American societies by culture area. Analysis of the impact of modern society on traditional peoples and their lifeways by examination of such factors as treaties, Pan-Indianism, and political activities. Prerequisite: SOC 1302 or consent of instructor. Spring.

**3340 URBAN SOCIOLOGY** Importance of cities in modern society; their historical development; rural-urban population movements; urban psychology, housing problems; development of commercial centers; social resources and urban roads. Prerequisite: SOC 1300. On demand.

**3350 THE FAMILY** The family as a social institution. The role of the family in the development of

influencing the genesis and diagnosis of mental illness and the social consequences of entry into the role of mental patients. Prerequisite: SOC 1300. Spring, even years.

**4330 SOCIAL THEORY** Traces the development of sociological theory from 19th century social thought. Discussion of influential thinkers such as Weber, Durkheim, Marx, Simmel, and selected contemporary social theorists. Prerequisite: SOC 1300 and a minimum of 15 hours in Sociology. Fall.

**4331 SOCIAL GERONTOLOGY** Social aspects of aging with emphasis upon variables affecting the quality of life of the older person. Prerequisite: SOC 1300. Fall.

**4334 MEDICAL SOCIOLOGY** Examines the institution of medicine. Topics include the social epidemiology of illness, social factors influencing the use of the health care system, the nature of the relationships between the patient and medical specialists. Prerequisite: SOC 1300 or consent of instructor. Fall.

**4341 POPULATION** Analysis of the factors influencing fertility, mortality, and migration and the social consequences of these and other demographic variables. Prerequisite: SOC 1300. Spring.

**4342 SOCIAL INEQUALITY** Analysis and description of the nature and types of social inequality with emphasis on the social classes and mobility of market systems. Includes recent historical and contemporary survey of wealth and income distributions as related to ethnicity, gender, age, and education. SOC 1300. Summer.

**4343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS** To acquaint students with the parameters of various ethnic groups, integrate health programs into their environment, and promote the application of research skills in selected populations. Prerequisite: SOC 2320 (or approved option). Spring. Cross listed with H ED 4343. Students will receive credit for only one of the courses.

**4351 FAMILY STRUCTURE AND INTERACTION** Structure and interaction of the American family; kinship organization; family life cycle; theoretical models in family sociology; cross-cultural and historical comparisons of family structures. Prerequisite: SOC 1300. Spring, odd years.

**4360 SEMINAR** Methodology, theory, research design and techniques, and writing will be emphasized. Prerequisite: 21 hours of Sociology including SOC 2320, 2321, and 4330. Spring.

**4395 CONTEMPORARY SOCIAL ISSUES** In-depth investigation into a significant social issue, emphasizing an examination of competing ideological orientations toward the issue. The topic will vary annually but will be announced in the course schedule. Included will be issues such as abortion, violence, alienation, power, bureaucracy, ecology, and technology. On demand.

**4190, 4290, 4390**

**SELECTED PROBLEMS IN SOCIOLOGY** Readings and discussions in specific areas of sociology that are of particular interest to the student or with which the student is having particular problems. Prerequisite: Consent of instructor and department chair. On demand.

# **HISTORY**

**Chair:** Dr. George Schuyler, 450-3158

## **PURPOSES**

History is at the center of a liberal arts education. It provides us not only with a memory of the past--a sense of how people, groups, states and nations arrived at where they are now--but also perspectives on other cultures and civilizations, past and present, and an appreciation for the varieties and ambiguities of the human experience. By educating students about their own past and the past of others, using evidence from different times and places, the Department of History seeks to prepare people for responsible citizenship at home and in the world community. The department stresses the development of critical reading and thinking skills, reasoning, oral and written communication, and the analysis and interpretation of conflicting evidence. Above all the History program emphasizes the cultivation of sensitivity to human differences and values. Historical study prepares students for careers in teaching, law, journalism, public history, local, state, and national service, business, and graduate study in history or in other disciplines.

## **THE HONORS PROGRAM IN HISTORY**

Upperdivision students who are history or social studies majors and who are invited to study for honors in history should take HIST 3388, Tutorial Studies in American History, or HIST 3389, Tutorial Studies in World History. Students who complete one of these courses and submit an honors thesis are eligible to graduate with honors.

## **BACCALAUREATE DEGREES**

### **Bachelor of Arts**

The degree of Bachelor of Arts, with a major in history, requires successful completion of 124 hours,





In addition to being certified in social studies, a teacher must have a total of at least 6 semester hours in the subject assigned to teach. Anyone teaching Arkansas history must have at least one course in Arkansas history. (For additional information on social studies certification requirements contact the certification officer at UCA.)

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN HISTORY**

### **United States History**

**2301 AMERICAN NATION I** Development of the American people beginning with the age of exploration and culminating with the Civil War/Reconstruction period. Fall, spring, summer I.

**2302 AMERICAN NATION II** United States since the Civil War/Reconstruction period. Fall, spring, summer II.

**3353 AFRICAN-AMERICAN HISTORY, 1619-1868** Study of American history from the perspective of the African-American experience, colonial period to the ratification of the Fourteenth Amendment. Fall.

**3354 AFRICAN-AMERICAN HISTORY, 1868 TO PRESENT** Study of American history from the perspective of the African-American experience, from the ratification of the Fourteenth Amendment to the protest movements of the modern era. Spring.

**3381 AMERICAN MILITARY HISTORY** Survey of the history of the American military establishment. Emphasis on the development of military policy, the principles of war, and the interrelationship between military affairs, technology, and the general pattern of societal and national developments. Spring.

**3388 TUTORIAL STUDIES IN AMERICAN HISTORY** Directed reading in American history. Preparation for an honors thesis to be written during the student's senior rs thesis to be whSoft O429 TD.1





may be counted as either United States or World History.) On demand.

## **World History**

**1310 WORLD HISTORY I** Major contributions to the advancement of global civilizations from ancient times to the early modern period (circa 1600). Fall, spring, summer.

**1320 WORLD HISTORY II** Development of modern industrial and urban society from its European base in the seventeenth century to its worldwide impact in the twentieth century. Fall, spring, summer.

**3303 EASTERN CIVILIZATION I** An introduction to the traditional cultures of China, Japan, and South Asia to 1800. Fall.

**3304 EASTERN CIVILIZATION II** An introduction to the process of modernization as experienced in China, Japan, and South Asia in modern times. Spring.

**3312 COMPARATIVE MODERN THIRD WORLD HISTORY** The course compares and contrasts the modern history of the Middle East, Africa, and Latin America through one "representative" country from each region. On demand.

**3315 FROM COLUMBUS TO CASTRO: AN INTRODUCTION TO LATIN AMERICA** A survey of Latin American history from the pre-Columbian period to the present with special attention to the conditions that have shaped Latin American societies, economies and politics. On demand.

**3320 HISTORY OF CHRISTIANITY I** A historical survey of the major themes and developments in Christianity from the first century to the eve of the Reformation. On demand.

**3321 HISTORY OF CHRISTIANITY II** A historical survey of the major themes and developments in Christianity from the e



**4378 ABSOLUTISM, ENLIGHTENMENT, AND REVOLUTION** European history in the seventeenth anne

**3382 PHILOSOPHY OF HISTORY** The logic and methodological foundations of historical science and the major speculative theories of history from ancient times to the present, including the philosophies of history of such persons as Polybius, Augustine, Hegel, Marx, Spengler, and Toynbee. Prerequisite: 15 hours of history or philosophy. See PHIL 3382. On demand.

**4300 SEMINAR** Emphasis on studying and practicing historical research and writing. Prerequisite: 21 hours in history. Fall, spring, summer.

**4310 TEACHING SOCIAL STUDIES** An examination of the problems of teaching history and the related social studies in middle and secondary schools focusing on the curriculum and the methods and techniques used by successful teachers in both history and related social studies. (Credit is given only when taken in lieu of ADSE 4300.) Fall, spring.

**4191, 4291, 4391**

**TOPICS IN HISTORY** Special topics in history to be determined by the needs of students who enroll. (This course can be repeated for credit and may be counted as either United States or World History.) On demand.

# **PHILOSOPHY**

**Chair:** Dr. Jim Shelton, 450-3179

## **PURPOSES**

The Department of Philosophy serves all academic disciplines by the examination and analysis of the major ideas which have shaped our civilization and by the devel inlhe

## **Major in Philosophy - 33 Hours**

PHIL 2310 or 3310; 3320 or 3325; 3300; 3302; and two courses from 3301, 3303, 3304, 3305, and 3306; plus 15 hours of Philosophy electives.

## **Minor in Philosophy - 21 Hours**

PHIL 2310 or 3310; 3320 or 3325; and three courses from 3300, 3301, 3302, 3303, 3304, 3305, and 3306; plus 6 hours of Philosophy electives.

## **COURSES IN PHILOSOPHY**

**1301 PHILOSOPHY FOR LIVING** Develops basic skills in critical thinking, emphasizing clarification of personal values, major views of human nature, and issues in philosophical thought. Does not count toward the satisfaction of the requirements for the major or minor. Fall, spring, summer.

**1310 EFFECTIVE THINKING** Designed to improve a person's ability to reason clearly and correctly and to make rational decisions based on understanding decision strategies, knowing how to use information and being able to avoid erroneous thinking. Does not count toward the satisfaction of the requirements for the major or minor. Fall, spring.

**1320 WORLD RELIGIONS** Study of great religions of the world, Hinduism, Buddhism, Islam, Judaism, Christianity, and others, examining their history, beliefs, moral teachings, rituals, and practices. Does not count toward the satisfaction of the requirements for the major or minor. Fall.

**2300 PHILOSOPHICAL PROBLEMS** Critical introductory study of basic philosophical problems. Intended for majors and minors in philosophy and for students who need a more advanced introduction to philosophy. On demand.

**2301 INTRODUCTION TO RELIGIOUS STUDIES** An introduction to the study of religion focusing on methodological approaches, forms of religious expression, perennial issues in religious worldviews, and issues facing religion in the modern world. On demand.

**2310 INTRODUCTION TO LOGIC** Correct inference in deductive, scientific, and everyday contexts. Included are classical and modern logic, the logic of science, the principles of definition, and the common errors of reasoning. Fall, spring.

**2315 INTRODUCTION TO THE BIBLE** An examination of the Bible from historical, literary, philosophical, and religious perspectives. On demand.

**2321 BUSINESS ETHICS** An introduction to ethical issues in business with an emphasis on case studies. On demand.

**2325 CONTEMPORARY MORAL PROBLEMS** Introduction to the major moral and ethical problems that confront individuals of the 20th century, such as abortion, euthanasia, nuclear proliferation, world hunger, etc. Does not count toward the satisfaction of the requirements for the major or minor. Fall, spring.

**3300 GREEK AND ROMAN PHILOSOPHY** Early Western philosophy from Thales through Plotinus. Special emphasis on Plato and Aristotle. Fall, even years.

**3301 MEDIEVAL PHILOSOPHY** Major thinkers and issues from the medieval period. Emphasis on Augustine, Anselm, Aquinas, Scotus, and Ockham. On demand.

**3302 MODERN PHILOSOPHY** Major philosophical figures from the Renaissance through Kant. Emphasis on Descartes, Spinoza, Locke, Berkeley, Hume, and Kant. Odd years.

**3303 NINETEENTH-CENTURY PHILOSOPHY** Major issues and philosophers in the 19th Century, including Hegel, Nietzsche, Kierkegaard, Comte, Mach, Schopenhauer, and Mill. Fall; odd years.

**3304 AMERICAN PRAGMATISM** The study of the major American philosophers and movements from colonial times to the present with emphasis on pragmatism. Prerequisite: Three hours of philosophy or consent of instructor. On demand.

**3305 TWENTIETH CENTURY CONTINENTAL PHILOSOPHY** A focused study of one or two areas of twentieth-century continental philosophy. These areas include phenomenology, existentialism, hermeneutics, and postmodernism. Philosophers studied include Husserl, Heidegger, Sartre, Gadamer, Derrida, and Foucault. Prerequisite: On demand.

**3306 TWENTIETH CENTURY ANALYTIC PHILOSOPHY** A study of empiricist metaphysics and epistemology in the twentieth century including philosophers such as Russell, Wittgenstein, Ayer, Lewis, Ryle, Quine, and Davidson. On demand.

**3310 SYMBOLIC LOGIC** Study and use of modern symbolic logic. Prerequisite: PHIL 2310 or consent of instructor. On demand.

**3315 RELIGION AND CULTURE** An examination of relationships between religious thought and experience and various other forms of cultural expression, such as the natural sciences, the human sciences, ethical, social or political perspectives or the arts. For any given semester one area of interest in religion and culture will be explored. Consent of instructor. On demand.

**3320 ETHICS** Fundamental ethical theories in the history of philosophy, including those of Plato, Aristotle, Kant and Mill. Contemporary moral theories also will be studied. Fall, odd years.

**3325 POLITICAL PHILOSOPHY** Either a survey of selected major political theories from Plato to Marx or a careful examination of historical and contemporary discussions of a basic topic like justice, rights, or political authority. On demand.



**3331 PHILOSOPHY OF RELIGION** Nature of religious experiences, faith, and reason, the theistic arguments, the problem of evil, immortality, and problems of religious language. On demand.

**3341 THEORIES OF KNOWLEDGE** A systematic exposition and critical analysis of some of the following problems in the theory of knowledge: concepts of truth, theories of perception, personal identity and knowledge of other minds, and alternative conceptions of the nature and limits of knowledge, including rationalism, empiricism, and intuitionism. On demand.

**3352 ASIAN PHILOSOPHY AND RELIGION** Major religions and philosophical ideas of Asia with emphasis on Hinduism, Buddhism, Confucianism, and Taoism. On demand.

**3360 PHILOSOPHY OF ART** A study of the nature and purpose of the arts, and of the experience of value through artistic creation and appreciation. On demand.

**3380 PHILOSOPHY OF SCIENCE** An examination of the methods of scientific explanation and confirmation in logical and historical contexts.

**3382 PHILOSOPHY OF HISTORY** Study of the logic and methodological foundations of historical science and of the major speculative theories of history from ancient times to the present, including the philosophies of history of such persons as Polybius, Augustine, Hegel, Marx, Spengler, and Toynbee. See HIST 3382. On demand.

**3395 TOPIC IN PHILOSOPHY** Study in depth of a selected major problem in philosophy, or the

# PRE-LAW

**Advisor:** Dr. Tom N. McInnis, Associate Professor of Political Science, 450-3412

Law schools, unlike medical schools, do not require any particular degree or course of study for admission. Each applicant is required to have completed only a bachelor's degree and the Law School Admissions Test.

A pre-law major at UCA may choose any field in which to complete a bachelor's degree. Several things should be kept in mind when making this choice. A prospective law student should possess three basic qualities:

1) Skill in the comprehension and use of language. Language is the lawyer's working tool. In seeking to convince, in drafting legal instruments and legislation, and in oral and written arguments, a lawyer must have the capacity to communicate with clarity, precision, and persuasiveness. A program of study which requires one to write is, therefore, essential.

2) Analytical and problem-solving skills. An important part of the lawyer's work is problem-solving. Creative and analytical thinking requires the development of skills in research, use of facts, deductive and inductive reasoning, critical analysis, and the systematic formulation of principles and concepts.

3) An understanding of and interest in human institutions and values. Lawyers are not just engaged in a process like that of a worker changing a tire on a car, rather, they are forces in the operation and shaping of the institutions and values with which humankind is concerned. The work which lawyers do can have a tremendous impact on a human life and even a whole community. A broad background in history, government, philosophy, economics, and the arts is, therefore, quite important.

Each pre-law student at UCA should consult with the pre-law advisor to choose a course of study which best fits the student's needs and desires and offers the best preparation for law school. Students should also consult with the pre-law advisor for assistance in selecting the appropriate law schools to which they should apply.

# **PUBLIC ADMINISTRATION**

**Advisor:** Dr. R. Lawson Veasey, Professor, 450-5688

## **PURPOSES**

The degree program in public administration is an interdisciplinary one, combining courses from political science, accounting, economics, finance, geography, and management. The location of the university provides easy access of students to the program and to agencies of the state and federal government. Close proximity to these agencies allows the student to receive practical experience in government administration and provides ready access to public employment upon graduation.

Please be advised that no more than 30 credit hours (total) may be taken from the College of Business Administration. Students should seek advice from their faculty advisors if they feel that program limits are being reached.

## **BACCALAUREATE DEGREE**

### **Bachelor of Science**

The Bachelor of Science degree, with a major in public administration requires successful completion of 124 hours, including 1) the General Education component (p.); 2) MATH 1390 or 1395 and 2311; 3) the major listed below. No minor is required.

## **Major in Public Administration - 60 Hours**

\*PSCI 1330, 2340, 3360, 3361, 4610; ACCT 2310, 2311, 4304; ECON 2320, 2321; MGMT 3340, and GEOG 3305.

**Areas of Special Emphasis:** (21 hours) A minimum of six semester hours from 54 :

# COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

**DEAN:** Dr. John A. Mosbo, 450-3199 **ASSISTANT DEAN:** Dr. Stephen R. Addison

## MISSION

The College of Natural Sciences and Mathematics serves all students in the University. Students majoring in the College are provided a depth of study that leads to entry into the workforce as teachers or practitioners of mathematics or science; to further education through graduate programs in mathematics, the sciences, and related disciplines; or to admission into professional schools, such as dentistry, engineering, medicine, optometry, pharmacy, or veterinary medicine. The College offers a broad diversity of courses that provides the mathematical and scientific knowledge essential to success in programs offered in other colleges of the University, as well as to other students whose career plans can benefit from strong backgrounds in mathematics and the sciences. Each department also provides general education courses designed to raise the level of mathematics and science literacy of all students and to develop an understanding of the impact of mathematics and science on society and the quality of life.

By choosing a major in the College of Natural Sciences and Mathematics, students have opportunities to collect and assess data, hypothesize relationships, test ideas, and revise opinions. Students are encouraged to participate in independent investigations, allowing further exploration of interests, leading to new discoveries, and providing opportunities to communicate that new knowledge to others.

## Departments in the College of Natural Sciences and Mathematics:

Biology Mathematics and Computer Science

Chemistry Physics and Astronomy

## Bachelor of Arts, Bachelor of Science degree programs:

Biology Chemistry Computer Science

Mathematics Physics General Science

Physical Science

**Pre-professional Studies programs:**

Pre-Dentistry Pre-Dental Hygiene Pre-Engineering

Pre-Medicine Pre-Optometry Pre-Pharmacy

Pre-Veterinary Medicine

**Master of Science:**

Biology

**Master of Science in Education:**

Biology Mathematics Physical Science

# **BIOLOGY**

**Chair:** Dr. Paul Hamilton, 450-3146

## **PURPOSES**

A knowledge of biology relates directly to understanding contemporary human life and the natural world. The biology program aims to contribute this vital element to the liberal education of all students, through required and elective courses in general education.

Majors in biology are provided the basic foundation for pursuing a career in biological sciences. Majors may go into research, teaching, medicine, veterinary medicine, dentistry, and various applied and technical fields. Courses cover both the concepts and processes of biology, as well as various groups of organisms. Advanced courses and individual research courses with faculty are available in several subdisciplines.

Students in related degree programs, such as applied health sciences and education, obtain the biological component of their programs from fundamental and applied biology courses.

## **THE HONORS PROGRAM IN BIOLOGY**

Junior or senior students with an overall grade average of 3.00 or higher may be allowed to participate in a program which, when successfully completed, will qualify them to graduate with Honors in Biology. This program will include completion of at least 3 semester hours of independent research under the supervision of a major advisor, to be taken as BIOL 3350, Special Problems in Biology. An acceptable report on this research must be submitted and an oral report must be given to the faculty of the Biology Department.

## **BACCALAUREATE DEGREES**

**Bachelor of Science**

The baccalaureate degrees described below require successful completion of a minimum of 124 hours, including (1) General Education component (p.27); (2) Degree Requirements (p.26); (3) the requirements in biological and physical science and mathematics listed below for each degree; and (4) a minor approved by both the major and the minor advisors.

### **Major in Biology - 40 hours**

#### **Minimum Requirements:**

BIOL 1410, 1430, 1431, 2191, 2390, 3402, 4403, plus 16 hours of electives chosen from the following: BIOL 4415, 4360, 4400, 4401, 4402, 4404, 4405, 4410, 4430, 4435, 4450, 4460, 4461, 4470, 4525, 4540. CHEM 1450, 1451, 2401, 3411. A student may modify the chemistry requirement with the consent of the student's advisor. PHYS 1410, 1420. A student may modify the physics requirement with the consent of the student's advisor. MATH 1390 and 1392, or 1580, and 2311.

### **Minor in Biology - 27 hours**

#### **Minimum Requirements:**

BIOL 1410, 1430, 1431, 2390, 3402, 4403, plus 4 elective hours chosen from 2191, 2405, 2406, 2407, 2411, and all courses listed for the major.

Chemistry: Option 1 is recommended Physics:

Option 1 CHEM 1450, 1451 Option 1 PHYS 1410, 1420

Option 2 CHEM 1402, 2450 Option 2 PHYS 1405

### **Major in General Science**

See Chemistry Department, page 173.



## Minor in General Science

See Chemistry Department, page 173.

### TEACHING CERTIFICATION:

A student with a Bachelor of Science in Biology degree may obtain teaching certification by completing the required certification program (see "Requirements for Certification", page 66 ).

**MASTER'S DEGREES** - See Graduate Catalog.

### COURSES IN BIOLOGY

**1400 BIOLOGY FOR GENERAL EDUCATION** Structure and function of cells, organisms, and communities. A general education elective. Fall, spring, summer.

**1410 MOLECULAR AND CELLULAR PRINCIPLES OF BIOLOGY** The molecular and cellular basis of the structure and function of organisms, including enzymes, metabolism, and genetics. A core course for majors. A general education elective. Fall, spring, summer.

**1430 GENERAL BIOLOGY-ZOOLOGY** Anatomy, physiology, systematics, and natural history of animals as whole organisms. A core course for majors. Prerequisite: BIOL 1400 or 1410. Fall, spring, summer.

**1431 GENERAL BIOLOGY-BOTANY** Anatomy, physiology, systematics, and natural history of plants as whole organisms. A core course for majors. Prerequisite: BIOL 1400 or 1410. Fall, spring, summer.

**2191 GENETICS LABORATORY** Open only to students who are taking or who have taken BIOL 2390. A core course for majors. Fall, spring, summer.

**2390 GENETICS** The nature of the genetic material from various operational viewpoints. The gene as a unit of recombination, mutation, function, and regulation. A core course for majors. Prerequisite: BIOL 1430 and 1431. Fall, spring, summer.



**4403 GENERAL ECOLOGY** Energy flow and biogeochemical cycling, their interdependence and interrelation with populations and communities. Includes one Saturday field trip. A core course for majors. Prerequisites: BIOL 1430, 1431, 2390. Fall, spring, summer (on demand).

**4404 PLANT TAXONOMY** The identification, nomenclature, and classification of vascular plants dealing largely with Arkansas flora; emphasis on plant families. Prerequisites: BIOL 1430, 1431. Fall.

**4405 EMBRYOLOGY** Basic principles of development at all levels of organization of the embryo. Lab work involves concentrated study of the major stages of development of the frog, chick, and pig embryo. Prerequisites: BIOL 1430, 1431. Fall.

**3150, 3250, 3350, 3450**

**SPECIAL PROBLEMS IN BIOLOGY** Individual work under faculty supervision, designed to supplement regularly organized courses in biology and to serve as an introduction to research.

Prerequisite: Prior consent of advisor and department. On demand.

The Biology Department is affiliated with the Gulf Coast Research Laboratory at Ocean Springs, Mississippi. Students may take courses there and receive credit at UCA.

UCA advisor: Dr. Culwell

The following is a list of courses offered there:

Prerequisite: BIOL 1430, 1431 and consent of department.

Sem. Hrs.

300, Marine Science I: Oceanography 3

300L, Marine Science I: Oceanography Lab 2

301, Marine Science II: Marine Biology 3

301L, Marine Science II: Marine Biology Lab 2

403/503, Marine Invertebrate Zoology 3

403L/503L, Marine Invertebrate Zoology Lab 3

404/504, Parasites of Marine Animals 3

404L/504L, Parasites of Marine Animals Lab 3

405/505, Marine Ecology 3

405L/505L, Marine Ecology Lab 2

406/506, Fauna/Faunistic Ecology Tidal Marshes 1

406L/506L, Fauna/Faunistic Ecology Tidal Marshes Lab 3

407/507, Marine Aquaculture 3

407L/507L, Marine Aquaculture Lab 3

408/508, Marine Ichthyology 3

408L/508L, Marine Ichthyology Lab 3

409/509, Marine Microbiology 3

409L/509L, Marine Microbiology Lab 2

410/510, Marine Fisheries Management 2

410L/510L, Marine Fisheries Management Lab 2  
420/520, Marine Phycology 2  
420L/520L, Marine Phycology Lab 2  
421/521, Coastal Vegetation 2  
421L/521L, Coastal Vegetation Lab 1  
422/522, Salt Marsh Plant Ecology 2  
422L/522L, Salt Marsh Plant Ecology Lab 2  
430/530, Comparative Histology of Marine Organisms 3  
430L/530L, Comparative Histology of Marine Organisms Lab 3  
456/556, Marine Science for Teachers I 2  
456L/556L, Marine Science for Teachers I Lab 1  
457/557, Marine Science for Teachers II 2  
457L/557L, Marine Science for Teachers II Lab 1  
458/558, Marine Science for Elementary Teachers 2  
458L/558L, Marine Science for Elementary Teachers Lab 1  
482/582, Coastal Marine Geology 2  
482L/582L, Coastal Marine Geology Lab 1  
490/590, Special Problems in Marine Science TBA  
491/591, Special Topics in Marine Science TBA

Any of the courses listed below will satisfy 4 hours of 4000-level electives for the biology major. Special problems in marine science (course #490) may also satisfy up to 4 hours of biology electives upon approval of the biology Special Problems Committee.

403/403L, 404/404L, 405/405L, 406/406L, 407/407L, 408/408L, 409/409L, 420/420L, 421/421L, 422/422L, 430/430L

The following courses will not satisfy requirements for the biology major: 300/300L, 301/301L, 410/410L, 456/456L, 457/457L, 458/458L, 482/482L, 491.

# **CHEMISTRY**

**Chair:** Dr. Conrad Stanitski, 450-3152

## **PURPOSES**

The Department of Chemistry curriculum provides a broad range of instruction in chemistry. It includes a general education course (CHEM 1400) designed to develop an understanding of the impact science and technology have on the development of the world and its citizens. Students gain an understanding of fundamental chemical theories and phenomena and their applications to our daily lives in a societal context.

The department also provides lower-division courses in general chemistry and organic chemistry for students with a wide variety of career goals such as pre-healing arts (nursing, medicine, dentistry, veterinary medicine), engineering, and teaching.

Students majoring in chemistry receive instruction in the fundamental areas of chemistry subsequently supplemented by more advanced courses in appropriate areas. Laboratory instruction is emphasized at all levels, and students are encouraged to participate in collaborative laboratory research with faculty members. Students completing a chemistry major program of study are prepared for careers as professional chemists as well as for graduate study in chemistry or other postgraduate professional schools. The Chemistry department curriculum is approved by the Committee on Professional Training of the American Chemical Society.

## **THE HONORS PROGRAM IN CHEMISTRY**

Junior or senior students with an overall GPA of 3.25 and a chemistry GPA of 3.40 or better, and the consent of the department chair, may be allowed to participate in a program, which when successfully completed, will allow them to graduate with Honors in Chemistry. This program consists of not less than two semesters of laboratory research on a chemistry problem and the writing of an acceptable report on the research completed.

## **BACCALAUREATE DEGREES**

## **Bachelor of Science**

The degree of Bachelor of Science, with a major described below, requires successful completion of 124 hours, including: 1) General Education component (p.); 2) Degree requirements (p.); 3) the major requirements in chemistry listed below; 4) a minor worked out with the student's minor advisor.

### **Major in Chemistry - 36 hours**

Minimum requirements: CHEM 1450, 1451, 2401, 3111, 3411, 3520, 4112, 4290, 4450, 4460;  
Chemistry electives: 3 hours at the 3000 level or above. MATH 3321; PHYS 1441, 1442. CHEM 3300 is excluded.

### **Minor in Chemistry - 24 hours**

CHEM 1450, 1451, 3520, and 11 hours of Chemistry electives at the 2000 level or above. CHEM 3300 is excluded.

### **Major in Physical Science - 42 hours**

Chemistry -- 15 hours, including 1450, 1451; Physics --15 hours including 1410, 1420 (or 1441, 1442);  
Electives in Chemistry and/or Physics -- 12 hours at the 2000 level or above (may include PHYS 1401);  
MATH 1591. A total of twelve hours of upper division in Chemistry and/or Physics is required.  
Excluded: CHEM 1400, 1402, 2450; PHYS 1400, 1402, 1405, 4301, 4302, 4360.

### **Minor in Physical Science - 26 hours**

CHEM 1450, 1451; PHYS 1410, 1420 (or PHYS 1441, 1442); Electives in Chemistry and/or Physics --  
ten hours at the 2000 level or above (may include PHYS 1401); MATH 1390. Three hours upper division  
in Chemistry or Physics are required. Excluded: CHEM 1400, 1402, 2450; PHYS 1400, 1402, 1405,

4301, 4302, 4360.

### **Major in General Science - 48 hours**

Biology -- 12 hours including 1430 and 1431; Chemistry -- 12 hours including 1450 and 1451; Physics -- 12 hours including 1410 and 1420 (or 1441, 1442); Electives in Biology, Chemistry, and/or Physics -- 12 hours; MATH 1390. A total of twelve hours of upper division in Biology, Chemistry, and Physics required. Excluded: BIOL 1400, 4311, 4340, 4341, 4351; CHEM 1301, 1400, 1402, 2450; PHYS 1400, 1402, 1405, 4301, 4302, 4360.

### **Minor in General Science - 24 hours**

Twenty-four (24) hours of Biology, Chemistry, and Physics including seven hours in each. Three hours must be upper division. Excluded: BIOL 1400, 4311, 4340, 4341; CHEM 1400, 1402, 2450, PHYS 1400, 1402, 1405, 4301, 4302, 4360.

### **TEACHER CERTIFICATION**

Along with a BS degree in Chemistry, Biology, Physics, Physical Science, or General Science, a student may obtain recommendation for teacher certification. For details see under College of Education (p.).



previous chemistry instruction. The purpose of this course is to provide the background necessary for subsequent study in chemistry. Prerequisite: Consent of instructor. CHEM 1301 may not be used to satisfy any chemistry requirement in conjunction with CHEM 1402 or 1450. Fall, spring.

## **1400 CHEMISTRY IN SOCIETY**

toward a major or minor in chemistry. Prerequisite: CHEM 2440 or 3411. Fall, spring.

**3411 ORGANIC CHEMISTRY II** Continuation of CHEM 2401. Detailed study of functional groups with emphasis on application of principles for elucidation of reaction mechanisms, determination of molecular structures, and synthesis of organic compounds. Three hours of lecture and three laboratory hours per week. Prerequisite: CHEM 2401. Spring, summer.

**3520 QUANTITATIVE ANALYSIS** Theory and practice of gravimetric, volumetric, and instrumental methods of quantitative analysis. Three hours of lecture and six hours of laboratory per week. Prerequisite: CHEM 1451. Fall, spring.

**4100, 4200, 4300**

**SPECIAL PROBLEMS IN CHEMISTRY** Fall, spring.

**4101, 4102**

**SENIOR RESEARCH** Original investigation of an assigned laboratory problem. Prerequisite: Three years of chemistry. Fall, spring.

**4112 SEMINAR** Formal presentation and discussions of current topics in chemistry by faculty and upper division chemistry students. Prerequisite: CHEM 4290. Spring.

**4121 BIOCHEMISTRY LABORATORY** A laboratory course in modern biochemical techniques investigating proteins, nucleic acids, carbohydrates, and lipids. Prerequisite: CHEM 3411. Corequisite: 3 credit hours biochemistry course. Spring.

**4152 ENVIRONMENTAL CHEMISTRY LAB** Laboratory designed to strengthen and expand topics covered in CHEM 4351 and provide students with experiential opportunities in environmental sampling and analysis procedures and instrumentation. Prerequisite: Current or prior enrollment in CHEM 4351. Spring.

**4230 SENIOR LABORATORY** A series of laboratory projects using advanced laboratory techniques. Six hours of laboratory per week. Prerequisite: Six semesters of laboratory chemistry. Spring.

**4290 CHEMICAL LITERATURE** Use of chemistry abstracts, journals, references and electronic information and data retrieval. Seminar presentations. Prerequisite: CHEM 3411. Fall.

**4301 LABORATORY MANAGEMENT** Provide school science teachers with skills needed to integrate laboratory exercises efficiently and safely into the science curriculum. Major topics covered are evaluation of facilities, selection of lab exercises, teaching strategies, record keeping, ordering supplies, and lab safety. As needed.

**4320 BIOCHEMISTRY** A survey of the structure and functions of important classes of biomolecules. Metabolism, processing of genetic information, and current topics in biochemistry will be addressed. Prerequisite: CHEM 3411. Spring.

**4351 ENVIRONMENTAL CHEMISTRY** Coverage of important environmental issues based on sound scientific principles. Energy, the atmosphere, the hydrosphere, and the biosphere are covered. Three hours per week. Prerequisite: CHEM 3411 and 3520. Spring.

**4380 ADVANCED INORGANIC CHEMISTRY** Theories and concepts of modern inorganic chemistry. Prerequisite: CHEM 4450. Fall.

**4385 TOPICS IN ADVANCED CHEMISTRY** A series of advanced topics in chemistry based on the quantum mechanical and thermodynamic concepts of modern physical chemistry. Prerequisite: CHEM 4460. As needed.

**4450 PHYSICAL CHEMISTRY I** Modern theoretical chemistry with laboratory applications; quantum mechanics and spectroscopy. Three hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 1451, PHYS 1420, and MATH 2561. Spring.

**4451 ADVANCED ANALYTICAL CHEMISTRY** Modern methods of analysis stressing instrumentation. Two hours of lecture and six hours of laboratory per week. Prerequisite: CHEM 3520. Spring.

**4460 PHYSICAL CHEMISTRY II** Continuation of CHEM 4450; thermodynamics, kinetics, and electrochemistry. Three hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 4450. Spring.

# **COMPUTER SCIENCE**

**Interim Chair:** Dr. Charles Seifert

## **PURPOSES**

The Department of Mathematics and Computer Science offers a computer science curriculum leading to the Bachelor of Science degree with a major in computer science. This curriculum consists of courses which provide for the study of various computer programming languages, of software design techniques, computer organization, data structures, operating systems and other theoretical topics in computer science. The emphasis of the program is on problem solving in scientific/engineering applications. The purpose of the major in computer science is twofold: 1) to prepare the student for a programmer/analyst position with respect to the design and implementation of software and systems 2) to prepare the student for entry into a program of graduate study in computer science.

The Department of Mathematics and Computer Science also offers a computer science curriculum leading to a minor in computer science. This curriculum consists of courses similar in content and scope to those of the major and is designed to give the student an exposure to computer science which will serve to complement a wide variety of majors offered within the university.

## **THE HONORS PROGRAM IN COMPUTER SCIENCE**

Junior and senior students who have demonstrated superior achievement in all areas, and particularly in their computer science major, may be invited to participate in an advanced honors program. These students will engage in investigations in special computer science topics. The successful completion of these research studies will make these students eligible to graduate with honors in computer science.

## **BACCALAUREATE DEGREES**

### **Bachelor of Science**

The degree of Bachelor of Science, with a major in computer science, requires successful completion of 124 hours, including: 1) general education requirements (p.); 2) degree requirements (p.); and 3) a minor as worked out with the student's advisor.

### **Major in Computer Science: 41 Hours**

CSCI 1170, 1180, 1370, 1380, 2350, 3300, 3310, 3320, 3350, 3390, 4300, and 12 hours of electives to be chosen as follows: 9-12 hours from CSCI 1320, 3330, 4320, 4330, 4350, 4360, 4370, 4380, 4195, 4295, 4395; and 0-3 hours from QMIS 2328, 3310, 3328.

The mathematics courses (14 hours) required are: MATH 1591, 2311 or 4371, 2330 and 3320.

The science courses (16 hours) required are BIOL 1410, and one sequence of CHEM 1450, 1451, PHYS 1410, 1420 or PHYS 1441, 1442; one course from BIOL 1430, 1431, CHEM 1450, 1451, 2401, PHYS 1410, 1420, 1441, 1442, 2447.

### **Minor in Computer Science: 20 Hours**

CSCI 1170, 1180, 1370, 1380, 2350, 3310, 3320 and 3 hours of any other CSCI course (except 1300)

**NOTE:** Students interested in computer studies, restricted to business applications, should examine the Information Systems program described in the Department of Marketing and Management in the College of Business Administration.

## **COURSES IN COMPUTER SCIENCE**

**1170 COMPUTER SCIENCE I LAB** A first programming course covering data types/data structures, input/output statements, control statements, pointers, subprograms and functions. Prerequisite: Math 1390. Corequisite: CSCI 1370. Fall, spring.

**1180 COMPUTER SCIENCE II LAB** Continuation of Computer Science I Lab covering structures and unions, data files, low-level operators, classes and objects, pointers, operators and friends, inheritance polymorphism, input/output, and library functions. Prerequisite: CSCI 1370 and CSCI 1170. Corequisite: CSCI 1380. Fall, spring.

**1300 INTRODUCTION TO COMPUTERS** Fundamental concepts and terminology of computing, history of computing, social impact of computers, software concepts, problem-solving, introduction to computer operations with popular system software such as Windows and MSDOS. Introduction to data processing with a word processor, an electronic spreadsheet and a data base management system, all in an integrated environment. Fall, spring.

**1320 SCIENTIFIC PROGRAMMING** Introduction to the application of computers in solving engineering and scientific problems. Problem-solving techniques, top-down design, and structured programming. Computations, control structures, loops, input/output, array processing, subroutines, numerical applications and techniques. FORTRAN-77 programming. Prerequisite: MATH 1580 or equivalent. Spring.

**1370 COMPUTER SCIENCE I** Introductory course for computer science majors and minors covering machine architecture, human/machine interface, data organization, theoretical machines, and computers and society. Prerequisite: Math 1390. Corequisite: CSCI 1170. Fall, spring.

**1380 COMPUTER SCIENCE II** Continuation of Computer Science I for majors and minors covering basic data types/data structures, recursion, sorting and searching, elementary software engineering, object-oriented methodology, complexity of an algorithm, and formal logic and program correctness. Prerequisite: CSCI 1370 and CSCI 1170. Corequisite: CSCI 1180. Fall, spring.

**2350 ASSEMBLY LANGUAGE PROGRAMMING** Number systems, internal representation of data, low level hardware configurations and concepts, instruction sets, addressing schemes, interrupts, and system software. Both CISC and RISC are discussed. Lab assignments are done in both IBM PC assembler (Intel i APX instruction set) and SGI workstations (MIPS R4000 instruction set). Prerequisite: CSCI 1380. Fall, spring.

**3131 ADVANCED COMPUTER PROBLEM SOLVING** Exploring different types of problems and

organizations, indexed-sequential files, file control systems and utility routines. Prerequisite: CSCI 3320. Fall.

**3370 PROGRAMMING LANGUAGES** Evolution of programming languages, language translators, programming paradigms, syntax and semantics, abstraction and structure, data types and data structures, statements, and operators and expressions, control structures, abstract data types, subprograms, and discussion of popular programming languages with each paradigms. Prerequisite: CSCI 3320. Fall, spring.

**3390 INTRODUCTION TO SOFTWARE ENGINEERING** Introduction to the basic principles of software engineering, software planning, requirement analysis, design, testing and software maintenance; projects will involve the use of C, Pascal or ADA programming languages. Prerequisites: CSCI 3320. Taking CSCI 3310 and CSCI 3350 in advance is suggested. Spring.

**4300 OPERATING SYSTEMS** Introduction to operating systems, historical development, serial batch systems, multiprogramming systems, time-sharing systems, real-time systems, control programs, job control language, job management, task management, data management, interrupt handling, concepts of telecommunication. Prerequisite: CSCI 3300, 3350. Spring.

**4320 COMPILER CONSTRUCTION** Mathematical foundations of compilers, grammars, trees, parsing fundamentals, finite-state automata, top-down parsing, bottom-up parsing, syntax-directed translation, symbols tables, run-time machine models, object code generation, optimization techniques. Prerequisite: CSCI 3370. On demand.

**4330 COMMUNICATIONS SYSTEMS** Communications concepts, structure and organization of communications systems, communications media, speed disparity problems, communications hardware and software, communications monitors, polling, line protocols, partition management, future trends in communications. Prerequisite: CSCI 4300. On demand.

**4350 INTERACTIVE COMPUTER GRAPHICS** Introduction to computer graphics, computer graphics hardware and software, fundamental mathematics for graphics, graphics programming techniques, windowing and clipping, three-dimensional graphics, hidden surfaces and lines, animated graphics. Prerequisite: CSCI 3320 and Math 3320. On demand.

**4360 SPECIAL TOPICS IN COMPUTER SCIENCE** Study of new and advanced topics in computer science. Prerequisite: Consent of instructor. On demand.

**4370 DATABASE CONCEPTS** Three database models with the emphasis on relational database, the concept and mathematical foundations of relational database, the formalization of relations, the SQL database definition/manipulation language, and entity relationship database design method. Prerequisite: CSCI 3350. On demand.

**4380 COMPUTER ARCHITECTURE** Topics include Arithmetic and Logic Unit, Control Unit, Memory System, I/O system, Instruction Format, Instruction Implementation, and Program Flow Control. Prerequisite: CSCI 3300. On demand.

**4385 ARTIFICIAL INTELLIGENCE** Introduces the elements of Artificial Intelligence covering knowledge representation and pattern matching, search techniques, natural language processing, logic and inference, machine learning, problem solving, ex put systems and programming in PROLOG/LISP.

**4390 THEORY OF COMPUTATION** Introduces the elements of Theory of Computing covering automata theory, formal languages, and Turing machines.

**4195, 4295, 4395**

**WORKSHOP** Credit from one to three hours may be earned in one semester. May be repeated with a change in content for a maximum of six semester hours. Prerequisite: Consent of instructor.



# **MATHEMATICS**

**Chair:** Dr. Donna Foss, 450-3147

## **PURPOSES**

The mathematics curriculum furnishes the necessary background for specialization in technical fields, graduate study in mathematics, and teaching mathematics at both the secondary and elementary levels.

## **ADVANCED PLACEMENT**

The Department of Mathematics and Computer Science awards Advanced Placement credit to students who score well on the College Board Advanced Placement Examination in Calculus. Credit for Calculus I is awarded to any student who scores three or higher on the Calculus AB exam. Credit for Calculus I and Calculus II is awarded to any student who scores three or higher on the Calculus BC exam.

## **THE HONORS PROGRAM IN MATHEMATICS**

Junior and senior students who have demonstrated superior achievement in all areas, particularly in their mathematics major, may be invited to participate in an advanced honors program. These students engage in investigations in special topics while enrolled in Special Problems in Mathematics. The successful completion of these research studies make the students eligible to graduate with honors in mathematics.

## **BACCALAUREATE DEGREES**

**Bachelor of Arts**

The degree of Bachelor of Arts, with a major in mathematics, requires successful completion of 124 hours, including 1) General Education component (p.); 2) Degree Requirements (p. ); and 3) a minor as approved by the student's minor advisor.

### **Major in Mathematics - 34 Hours**

MATH 1591, 2561, 3320, 3321, 3360, 3362, 4362, 4371; Six hours of electives chosen from the following courses: MATH 3331, 4305, 4340, 4363, 4372, 4375, 4385, 4195, 4295, 4395. Workshop courses must be approved by the student's advisor.

### **Minor in Mathematics - 19 Hours**

MATH 1591, 2561, 3360; 6 hours of mathematics electives, 3 hours of which must be in upper division courses.

## **Bachelor of Science**

The degree of Bachelor of Science, with a major in mathematics, requires successful completion of 124 hours, including 1) General Education component (p. ); 2) Degree Requirements (p.); and 3) a minor as approved by the student's advisor.

### **Major in Mathematics - 34 Hours**

MATH 1591, 2561, 3320, 3321, 3360, 3362, 4362, 4371; Six hours of electives chosen from the following courses: MATH 3331, 4305, 4340, 4363, 4372, 4375, 4385, 4195, 4295, 4395. Workshop courses must be approved by the student's advisor.

### **Minor in Mathematics - 19 Hours**

MATH 1591, 2561, 3360; 6 hours of mathematics electives, 3 hours of which must be in upper division courses.

## **Bachelor of Science in Education**

The degree of Bachelor of Science in Education, with a major in mathematics, requires successful completion of 124 hours, including 1) General Education component (p. ); 2) Degree component (p.); 3) Directed Teaching in mathematics; and 4) a minor as approved by the student's minor advisor.

### **Major in Mathematics - 34 Hours**

MATH 1591, 2561, 3320, 3321, 3360, 3362, 4301, 4345, 4371; Math electives in upper division courses, 3 hours.

### **Minor in Mathematics - 25 Hours**

MATH 1591, 2561, 3360, 4301, 4345; 6 hours of mathematics electives, 3 hours of which must be in upper division courses.

**MASTER'S DEGREE** - See Graduate Catalog

## **COURSES IN MATHEMATICS**

**1360 MATHEMATICS FOR GENERAL EDUCATION** A course which meets the general education aims of the university. MATH 1360 may not be used to satisfy the requirements for a major or minor in mathematics. Prerequisite: Math ACT of 19 or higher or "C" or better in UNIV 1340. Fall, spring.

**1390 COLLEGE ALGEBRA** Concepts of algebra, functions, relations, graphing, and problem solving. Prerequisite: Math ACT of 19 or higher or "C" or better in UNIV 1340. Fall, spring, summer.

**1392 PLANE TRIGONOMETRY** Angles and their measure, trigonometric functions, graphs, and applications. Prerequisite: Math ACT of 19 or higher or "C" or better in UNIV 1340. Fall, spring.

**1393 APPLIED MATHEMATICS FOR BUSINESS** Topics in mathematics including business applications of exponential and logarithmic functions, the mathematics of finance, linear inequalities, and linear programming. Open to business majors only. Prerequisite: Math 1390 or equivalent. Fall, spring.

**1395 APPLIED CALCULUS FOR BUSINESS AND ECONOMICS** Topics in mathematics, including an introduction to matrix algebra and calculus of algebraic, exponential and logarithmic functions, to give an understanding of various quantitative methods used in business and economics. Open to business and economics majors only. Prerequisite: MATH 1390 or equivalent. Fall, spring.

**1580 ALGEBRA AND TRIGONOMETRY** Concepts of algebra and trigonometry essential to a study of calculus. Not open to students who have credit for either MATH 1390 or 1392. Prerequisite: Math ACT of 19 or higher or "C" or better in UNIV 1340 and the intent to take MATH 1591. Fall, spring.

**1591 CALCULUS I** Calculus and Analytic Geometry. Prerequisite: "C" or better in MATH 1390 and "C" or better in 1392 or "C" or better in MATH 1580 or consent of instructor. Fall, spring.

**2311 STATISTICAL METHODS I** Introduction to basic statistical concepts, terminology and formulas. Data manipulation will be stressed. No credit will be awarded in more than one introductory statistics course. Prerequisite: MATH 1390 or equivalent. Fall, spring.

**2330 DISCRETE STRUCTURES** First course in discrete mathematics applicable to computer science. Topics may include sets, relations, functions, induction and recursion, graphs and digraphs, trees and languages, algebraic structures, groups, Boolean algebra, and finite state machines. Prerequisite: MATH 1591 and CSCI 1370. Spring.

**2561 CALCULUS II** Calculus and Analytic Geometry. Prerequisite: "C" or better in MATH 1591. Fall, spring.

**3311 STATISTICAL METHODS II** Further introduction to statistical data analysis including multiple linear regression, experiment/significance, and analysis of variance (ANOVA). Statistical computing software will be utilized. Prerequisite: Math (2311 or equivalent) and consent of instructor. Fall, spring.

**4301 SECONDARY MATHEMATICS METHODS** This course is for students working toward a B.S.E. degree with a major or minor in mathematics. Topics include curricula for secondary mathematics courses, planning and organization in the classroom, methods and materials, and other topics related to teaching and learning mathematics. Fall.

**4305 APPLIED MATHEMATICS** Mathematical modeling and systems analysis; principles of operations research; optimization techniques; optimal control theory. Prerequisite: MATH 3331. Spring, even years.

**4310 TOPICS IN MATHEMATICS FOR ELEMENTARY TEACHERS** Mathematical topics contained in the elementary and middle school curricula. Open to elementary and middle school preservice teachers only. Prerequisite: MATH 3351 or equivalent. Fall, spring, summer.

**4312 THE METRIC SYSTEM AND OTHER TOPICS FOR ELEMENTARY AND MIDDLE SCHOOL TEACHERS** Activity-oriented with emphasis on the metric system, number systems, and geometry. Open to elementary and middle school preservice teachers only. Prerequisite: MATH 3351 or equivalent. Fall, spring, summer.

**4340 NUMERICAL METHODS** Introduction to the use of methods of numerical analysis with modern high speed automatic computers. Prerequisite: MATH 2561 and CSCI 1370 or CSCI 1320. Fall, even years.

**4345 COLLEGE GEOMETRY** Elementary theory in foundations of geometry and basic theory in advanced Euclidean geometry. Prerequisite: MATH 1591. Spring, summer.

**4362 ADVANCED CALCULUS I** A rigorous treatment of topics introduced in elementary calculus and more advanced topics basic to the study of real and complex analysis. Prerequisite: MATH 3321. Fall.

**4363 ADVANCED CALCULUS II** Continuation of MATH 4362. Prerequisite: MATH 4362. Spring.

**4371 STATISTICS I** A calculus based introduction to probability and the distributions of random variables, including hypergeometric, geometric, binomial, negative binomial, Poisson, normal, chi-square, t, and F distributions. Simulation and exploratory data analysis are used to study concepts associated with the field of statistics. Multivariate distribution, correlation, and sampling distributions are introduced. Prerequisite: MATH 2561. Fall.

**4372 STATISTICS II** Continuation of MATH 4371. Hypothesis testing, statistical inference, and linear models. Prerequisite: MATH 4371. Spring.

**4375 INTRODUCTION TO TOPOLOGY I** Study of topological spaces. Prerequisite: Consent of instructor. Fall, odd years.

**4380 SPECIAL PROBLEMS IN MATHEMATICS** Independent study in a chosen area of advanced mathematics. Prerequisite: Consent of instructor. Fall.

**4381 SPECIAL PROBLEMS IN MATHEMATICS** Independent study in a chosen area of advanced mathematics. Prerequisite: Consent of instructor. Spring.

**4385 COMPLEX ANALYSIS** Arithmetic and geometry of complex numbers, extension of transcendental functions to the field of complex numbers, complex differential calculus and analytic

functions, contour integration and the Cauchy Integral Theorem, series, calculus of residues, and harmonic functions. Prerequisite: MATH 3321. Spring, odd years.

# **PHYSICS AND ASTRONOMY**

**Chair:** Dr. Joseph Rosen, 450-5900

## **PURPOSES**

The courses offered by the Department of Physics and Astronomy serve two main purposes: first, to contribute to the knowledge and awareness of the non-science students, in order to prepare them to appreciate and understand the nature of the physical world and how science operates to achieve comprehension of the physical world; second, to prepare the science students for graduate study or the workplace. A range of courses designed for the physics major are offered to establish a broad and secure foundation in any of several disciplines in the field. Courses in astronomy and astrophysics are offered; students intending to do graduate studies in these fields are advised to pursue the undergraduate degree in physics with an emphasis in astronomy or astrophysics.

## **THE HONORS PROGRAM IN PHYSICS**

Junior and senior students with overall grade averages of at least 3.00 and having the consent of the department may be allowed to participate in a program that when successfully completed will allow them to graduate with honors in physics. This program will consist of not less than two semesters of research on a problem in physics or astronomy and the writing and oral defense of an acceptable honors thesis.

## **BACCALAUREATE DEGREES**

### **Bachelor of Science**

The Bachelor of Science degree with a major in physics, physical science, or general science, requires the successful completion of 124 hours, including: 1) the General Education component (p. ); 2) degree requirements (p. ); 3) the major requirements listed below; and 4) a minor, which has been worked out with the student's minor advisor.

## Major in Physics - 43 Hours

Physics 1441, 1442, 2343, 2447, 3341, 3342, 3343, 3345, 3353, 3360, 3361, 4100, 4340, plus three hours from the following courses: PHYS 3351, 3354, 4322, 4341, 4350, 4351, 4352, 4355, 4360, 4103, 4203, 4303, 4104, 4204, 4304; CHEM 1450 and 1451; MATH 1591, 2561, 3321, and 3331.

A suggested sequence of courses for the physics major follows:

### Fall Spring

Freshman University Physics 1 (1441) University Physics 2 (1442)

Sophomore University Physics 3 (2343) Math Methods in Physics(3341)

Electronics (2447) Mechanics (3342)

Junior Thermal Physics (3343) Optics (3345)

Electricity and Magnetism 1 (3360) Electricity and Magnetism 2 (3361)

Senior Advanced Laboratory (4340) Senior Seminar (4100)

Quantum Mechanics 1 (3353) Senior Physics Elective

The Department faculty offers a wide and diverse variety of research projects for students. All physics majors are encouraged to participate in research projects, for which credit toward the degree may be obtained. All physics majors are strongly encouraged to attend the departmental seminar.

For an emphasis in astronomy/astrophysics, as many as possible of the following courses should be taken as part of and in addition to the above: PHYS 1401, 2421, 3351, 4322, 4323, 4354.

It is common (although not required) for physics majors to minor in mathematics (p.), since the single course MATH 3360, taken in addition to the mathematics courses required for the major, will complete the minor requirements.

Another possibility is a double major in physics and mathematics, for which the student would fulfill the separate major requirements of physics and mathematics (p.). In that case the requirement of a minor is



waived.

### **Minor in Physics - 24 hours**

24 hours of Physics, including PHYS 1441 and 1442 or equivalent, 2343, 3341, 3342, and 4100, and excluding PHYS 1400, 1402, 1405, 4301, 4302, and 4360.

### **Major in Physical Science - 42 hours**

Physics--15 hours, including 1410, 1420 (or 1441, 1442); Chemistry--15 hours, including CHEM 1450, 1451; Electives in Physics and/or Chemistry--12 hours at the 2000 level or above (may include PHYS 1401); MATH 1591. A total of twelve hours of upper division in Physics and/or Chemistry is required. Excluded: PHYS 1400, 1402, 1405, 4301, 4302, 4360; CHEM 1400, 1402, 2450.

### **Minor in Physical Science - 26 hours**

Physics 1410,1420, (or 1441, 1442); CHEM 1450 and 1451; Electives in Physics and/or Chemistry--ten hours at the 2000 level or above (may include PHYS 1401); MATH 1390. Three hours upper division in Physics or Chemistry are required. Excluded: PHYS 1400, 1402, 1405, 4301, 4302, 4360; CHEM 1400, 1402, 2450.

### **Major in General Science - 48 hours**

Physics--12 hours, including PHYS 1410, 1420 (or 1441, 1442); Biology--12 hours, including BIOL 1430, 1431; Chemistry--12 hours, including CHEM 1450, 1451; Electives in Physics, Biology, and/or Chemistry--12 hours; MATH 1390. A total of twelve hours of upper division in Physics, Biology, and/or Chemistry is required. Excluded: PHYS 1400, 1402, 1405, 4301, 4302, 4360; BIOL 1400, 4311, 4340, 4341, 4351; CHEM 1400, 1402, 2450.

## **Minor in General Science - 24 hours**

24 hours of Physics, Biology, and Chemistry, including seven hours of each. Three hours must be upper

**1420 COLLEGE PHYSICS 2** Continuation of College Physics 1. Elasticity, simple harmonic motion, fluids, waves, sound, electricity, magnetism, light, and modern physics. Includes laboratory. Prerequisite: PHYS 1410. Fall, spring, summer.

**2311 STATICS** Study of stresses, strains, and equilibrium in a plane and in space; analysis of structures, friction, centroids, and moments of inertia. Problem oriented with applications emphasized. Prerequisite: PHYS 1441. Co- or prerequisite: MATH 2561. On demand.

**2421 OBSERVATIONAL ASTRONOMY** Field work with telescopes and other equipment; methods for making celestial observations. Prerequisite: PHYS 1401. On demand.

**4301 CONCEPTS OF PHYSICAL SCIENCE 1** A laboratory course designed for the elementary, junior, high, and high school teacher. The elementary education major may substitute the sequence PHYS 4301 & 4302 for PHYS 1400. Prerequisite: Consent of instructor. On demand.

**4302 CONCEPTS OF PHYSICAL SCIENCE 2** Continuation of PHYS 4301. Prerequisite: Consent of instructor. On demand.

## **COURSES FOR DEPARTMENTAL MAJORS**

**1441 UNIVERSITY PHYSICS 1** A calculus based survey course covering general areas in physics. Required of physics majors. Prerequisite: MATH 1591, or corequisite with consent of instructor. Fall

**1442 UNIVERSITY PHYSICS 2** Continuation of PHYS 1441. Prerequisite: PHYS 1441. Pre- or corequisite: MATH 2561. Spring.

**2343 UNIVERSITY PHYSICS 3** Introduction to special relativity and the basic principles of wave mechanics; fundamental principles of quantum theory and applications to simple systems. Prerequisite: PHYS 1442. Pre- or corequisite: MATH 3321. Fall.

**2447 ELECTRONICS** A basic study of electronic principles, devices, and circuits, both analog and digital. Prerequisites: PHYSICS 1420 or 1442, MATH 1591. Fall.

**3341 MATHEMATICAL METHODS IN PHYSICS** A study of vector calculus, matrices, complex variables, series solutions to differential equations, and special functions. Emphasis in all areas will be placed on problems encountered in physics and their solutions. Prerequisite: MATH 3321. Spring.

**3342 MECHANICS** General principles of classical mechanics with an introduction to Hamilton's principle, Lagrange's equation, and the Hamilton-Jacobi equation. Prerequisites: PHYS 1420 or 1442 and MATH 3321. Spring.

**3343 THERMAL PHYSICS** The fundamental principles of thermodynamics and statistical physics. Prerequisites: PHYS 2343, MATH 3321. Fall.

**3345 OPTICS** An introduction to geometrical and physical optics. Topics include: reflection, refraction,

wave, equation, interference, diffraction, polarization, absorption, and coherence. Prerequisites: PHYS 1442, MATH 3321. Spring.

**3351 ASTROPHYSICS** A treatment of orbital theory, processes involved in stellar radiation, and the data collecting methods used to explore the universe. Prerequisites: PHYS 2343, 3342, MATH 2561. On demand.

**3353 QUANTUM MECHANICS 1** The physical foundation and mathematics of quantum mechanics; matrix and operator formalisms. Prerequisites: PHYS 3341, 3342, 3343, 3360. Fall.

**3354 QUANTUM MECHANICS 2** Continuation of PHYS 3353. Approximation methods, perturbation

**SPECIAL PROBLEMS IN PHYSICS** May consist of problem solving, library research, and/or laboratory work. Student may register for one to four hours each semester. May be repeated with change of content. Fall, spring, summer.

**4104, 4204, 4304**

**SPECIAL PROBLEMS IN ASTRONOMY** May consist of problem solving, library research, and/or laboratory work. Student may register for one to four hours each semester. May be repeated with change of content. Fall, spring, summer.

# **PRE-DENTAL HYGIENE**

**Advisor:** Dr. Matt Walker, 450-3210

## **THE PROFESSION**

Dental hygienists perform various oral health procedures on patients and they educate patients and the public on good oral hygiene. Common clinical services performed are cleaning and polishing teeth, exposing and developing radiographs, applying topical fluoride and sealants, and recording medical and dental histories. In addition to the clinical services, the hygienist educates the patients on good oral hygiene and nutrition for health promotion and disease prevention.

Dental hygienists are employed in the offices of general or specialty dentists, military, state or federal health agencies, schools, industry, and sales of dental products.

## **REQUIREMENTS**

Students pursuing a career in dental hygiene attend UCA for two years to complete the general education and pre-clinical requirements, and then transfer to a dental hygiene department for two years to complete the professional education. Students should contact the dental hygiene program they plan to attend for specific information about degree requirements.

The following courses should be completed at UCA:

ENG 1310 and 1320, SPCH 1310, HIST 1310 and 1320, PSCI 1330, **or** HIST 2301 **or** HIST 2302, SOC 1300, PSYC 1300, ART 2300 **or** MUS 2330, **or**

SPTH 2300, \*CHEM 1402, BIOL 1400, 1430, and 2411, MATH 1390, COMPUTER SCI 1300, Humanities (3 hours) Electives (all 3000 or 4000 level courses) (13 hours)

TOTAL 65 hours

\*A high school chemistry course or CHEM 1301 is a prerequisite.



# PRE-DENTISTRY

**Advisor:** Dr. Mike Moran, 450-5927

Dental schools are currently admitting applicants with three years of college, as well as those who have completed a baccalaureate degree. UCA will award the bachelor's degree to students admitted after three years of college, and after successful completion of the first year of dental school. These "3 + 1" students must follow a carefully designed curriculum while at UCA, and are urged to receive counseling from the pre-dental advisor before starting the first semester.

"3 + 1" students will major in general science. Four-year students will be able to choose a major in several areas. The following courses are commonly required by dental schools in Tennessee, Louisiana, Missouri, Oklahoma, and Texas, each of which admits a specified number students from Arkansas.

General Education - 45 hours (p.) Biology: 1410, 1430, 1431, 3402, and 4460; 4400 suggested;  
Chemistry: 1450, 1451, 2401, 3411; Physics: 1410, 1420; Mathematics: 1390; Electives to total 96 hours



# **PRE-ENGINEERING**

**Advisor:** Dr. Ross, 450-5905

The University of Central Arkansas has a cooperative agreement with Arkansas State University that will lead to the degree of Bachelor of Science in Agricultural Engineering or the degree of Bachelor of Science in Engineering with professional concentration in civil, electrical, or mechanical engineering from ASU. Under this agreement, a student can complete all general education, mathematics, chemistry, and physics requirements at UCA. In addition, all the courses listed below will be accepted for the appropriate course at ASU. Students interested in this program should contact the advisor, who will lay out a complete plan of study.

UCA also enjoys transfer agreements with Mississippi State University and Texas A&M University. Under those agreements, students satisfactorily completing general education and pre-engineering courses stipulated by the agreement and specified by the pre-engineering advisor, will be able to transfer those courses to Mississippi State University or Texas A&M University.

Students interested in an engineering program other than the above should complete a core curriculum including:

MATH 1591 Calculus I PHYS 1441 University Physics I

MATH 2561 Calculus II PHYS 1442 University Physics II

MATH 3321 Calculus III PHYS 2343 University Physics III

MATH 3331 Differential Equations TECH 2375 Computer Aided Drafting

CHEM 1450 College Chemistry I CSCI 1320 Scientific Programming

CHEM 1451 College Chemistry II

In addition to these courses, a student should complete ENGL 1310 Comp I, ENGL 1320 Comp II, and humanistic and/or social science electives. Before selecting elective courses, the student should investigate the requirements of the school the student expects to attend after completing work at UCA. Before taking any of the engineering courses listed below for purposes of transferring to another school other than ASU, approval for substitution should be obtained from that school.

## **COURSES IN ENGINEERING**

**1320 SCIENTIFIC PROGRAMMING** Introduction to the application of computers in solving engineering and scientific problems. Problem-solving techniques, top-down design, and structured programming. Computations, control structures, loops, input/output, array processing, subroutines, numerical applications and techniques. FORTRAN-77 programming. Prerequisite: MATH 1580 or equivalent.

**2311 STATICS** Study of stresses, strains, and equilibrium in a plane and in space; analysis of structures, friction, centroids, and moments of inertia. Problem oriented with applications emphasized. Prerequisite: PHYS 1441. Co-or Prerequisite: MATH 2561

**2375 COMPUTER AIDED DRAFTING** A study of the computer as a tool in design and drafting to include CAD systems, hardware components and the techniques of producing, storing, and recalling engineering drawings. Prerequisite: TECH 1330 or permission of the instructor.

**2447 ELECTRONICS** A basic study of electronic principles, devices, and circuits, both analog and digital. Prerequisites: PHYS 1420 or 1442, MATH 1591.

**3342 MECHANICS** General principles of classical mechanics with an introduction to Hamilton's principle, Lagrange's equation, and the Hamilton-Jacobi equation. Prerequisite: PHYS 1420 or 1442, MATH 3321.

**3343 THERMAL PHYSICS** The fundamental principles of thermodynamics and statistical physics. Prerequisites: PHYS 2343, MATH 3321.

**3360 ELECTRICITY AND MAGNETISM 1** The fundamental principles of electricity and magnetism are presented through the theory of fields. Electric and magnetic fields, their interaction with matter, and their behavior as expressed by Maxwell's equations are explored. Prerequisites: PHYS 1420 or 1442, MATH 3321.

**SUGGESTED COURSES AT ARKANSAS STATE UNIVERSITY  
ON TRANSFER FROM UNIVERSITY OF CENTRAL ARKANSAS**

**Agricultural Engineering  
Year IV**

Fall

Spring

COURSE	HR	COURSE	HR
	S		S
CE 2223 Surveying	3	ENGR 3413 Intro. To Design	3
AGEN 2193 Grain Processing	3	ENGR 3423 Dynamics	3
ME 1513 Mech. Tools	3	ENGR 3443 Engr. Thermo I	3
ENGR 2411 Mech. of Mat. Lab	1	ENGR 4453 Engr. Anal. & Comp. Tech.	3
ENGR 2413 Mech. of Mat.	3		
AGEC 1003 Intro. Agri. Econ.	3	AGEN 3133 Agri. Mech.	3
	16	Agric./Nat. Res. Elective	3
			18

**Year V**

Fall COURSE	HR	Spring COURSE	HR
	S		S
ENGR 3433 Engr. Econ.	3	AGEN 4173 HVAC	3
ENGR 3471 Fluid Mech. Lab	1	ENGR 4473 Senior Design	3
ENGR 3473 Fluid Mech.	3	AGEC 4083 Econ. Prob. in Agric.	3
ME 4553 Heat Transfer	3	Agric/Nat. Res. Elective	3
Engr. Science Elective	3	Engineering Elective	6
Engr. Design Elective	3		18
	16		

**Mechanical Engineering  
Year IV**

Fall COURSE	HR	Spring COURSE	HR
	S		S
ENGR 2411 Mech. of Mat. Lab	1	ENGR 3453 Material Science	3
ENGR 2413 Mech. of Materials	3	ENGR 3413 Intro. to Design	3
ENGR 3423 Dynamics	3	ENGR 3471 Fluid Lab	1
ENGR 3443 Thermo I	3	ENGR 3473 Fluid Mech.	3
ENGR 3433 Engr. Econ.	3	ME 3513 Mech. Vibrations	3
Engineering Elective	2	ME 3533 Eng. Thermo II	3
	15		16

**Year V**

Fall COURSE	HR	Spring COURSE	HR
	S		S
AGEN 4153 Energy Con.	3	AGEN 4173 HVAC <b><u>OR</u></b>	
AGEN 4113 Mach. Design	3	ME 4503 Power Plant Design	3
ENGR 3401 Lab Elect. I	1	ENGR 4453 Eng. Anal. & Comp. Tech.	3
ENGR 3403 Electronics I	3	ENGR 4473 Senior Design	3
ME 3503 Mech. Engr. Lab I	3	ME 4513 Dyn. & Cont. Mach.	3
ME 4553 Heat Transfer	3	Technical Elective	3
	16		15

**Civil Engineering**

**Year IV**

Fall  
COURSE

HR

Spring  
COURSE

HR

S

S

CE 2223 Surveying

3 ENGR 3471 Fluid Mech. Lab

1

CE 3212 Struct. Analy. I

2 ENGR 3473 Fluid Mech.

3

ENGR 2411 Lab Mech. of Mat.

1 ENGR 4453 Engr. Anal. & Comp.  
Tech.

ENGR 2413 Mech. of Mat.

3

3

ENGR 3413 Intro. to Design

3

CE 3222 CE Materials

2

ENGR 3433 Engr. Econ.

3

ENGR 3453 Materials Science

3

15 Technical Elective

3

15

**Year V**

Fall  
COURSE

HR

Spring  
COURSE

HR

S

S

CE 3273 Water & Waste Sys.

3 CE 4283 Structural Steel Design

CE 4251 Soil Mech. Lab

1 CE 4223 Transport Engr.

3

CE 4253 Soil Mech.

3 ENGR 4473 Senior Design

3

CE 4243 Rein. Concrete

3 Engineering Electives

3

ENGR 3401 Elect. Lab I

1

6

ENGR 3403 Electronics I

3

15

14

**Electrical Engineering**



\*\*\*The student is encouraged to take additional technical electives to achieve a full-time student status (greater than or equal to 12 hours).

# PRE-MEDICINE

The Premedical Advisory Committee consists of Dr. Jerald Manion and Dr. Karen Weaver in Chemistry, and Dr. Fred Dalske, and Dr. David Zehr in Biology.

Most medical schools require a minimum of three years (90 semester hours) of undergraduate college work, and more commonly expect that students will complete a four-year program leading to a baccalaureate degree. Although many medical schools do not require specific courses or a specific major, most students who are successful in matriculating in a college of medicine and completing the course of study major in biology, chemistry, or general science.

The Medical College Admission Test (MCAT) is required of applicants for admission to most colleges of medicine. Admission to medical school depends greatly on the scores achieved on this test. Areas covered by the exam are verbal reasoning, writing, biological sciences, and physical sciences. Curricula should be selected to improve in areas of weakness.

Minimum requirements for admission to the School of Medicine at the University of Arkansas for Medical Sciences are:

**Biology:** Two Semesters (the committee strongly recommends the following as a minimum foundation in Biology)

Molecular and Cellular Principles of Biology (1410)

Zoology (1430)

Botany (1431)

Genetics and Genetics Laboratory (2390, 2191)

Cell Biology (3402)

**Chemistry:** General - Two Semesters (1450, 1451)

Organic - Two Semesters (2401, 3411)

**Physics:** Two Semesters (1410, 1420)

**Mathematics:** Two Semesters (1390 and above)

**English:** Three Semesters



Courses in behavioral science and humanities are also required, but this requirement is satisfied by completion of the UCA general education program.

# PRE-OPTOMETRY

**Advisor:** Dr. Jack Gaiser, 450-5904

Optometry is a profession of specialists who diagnose and correct defects in vision. The optometrist is able to correct focus impairments such as myopia, hypermetropia, astigmatism, etc. The Doctor of Optometry degree requires a four-year program of study in an optometry school preceded by at least 90 hours of college courses. The majority of the required courses are common to most optometry programs. However, some optometry schools require more mathematics than others. A very few schools require only college algebra and trigonometry, while most others require analytical geometry, differential calculus, integral calculus, and statistics. Students entering optometry school before having completed a UCA bachelor's degree might be able to complete the requirements for a UCA degree with their optometry school course work, provided they have completed 96 credit hours of prescribed course work at UCA. However, most optometry schools prefer applicants who hold a bachelor's degree. The American Optometric Association has organizations in all fifty states and the District of Columbia.

Required courses for most optometry schools would include at least:

Biology 1430, 1431, 2405, 2411 or 4525; Chemistry 1450, 1451, 2401, 3411; Physics 1410, 1420; English, twelve credit hours; Mathematics 1390 plus 1392, or 1580 (most schools require 1591, 2561, 2311); Social Sciences, six credit hours; Psychology 1300

In any case, the course of study at UCA should be adjusted to suit the admissions requirements of the optometry school(s) desired.

# PRE-PHARMACY

**Advisor:** Dr. Paul Krause, 450-5940

The educational program for students planning to obtain a degree in pharmacy involves a 65 credit hour pre-professional course of study which includes basic science and mathematics courses as well as humanities courses, and four years of a professional school curriculum. The successful student will receive a Doctor of Pharmacy (Pharm. D.) degree.

The pre-professional program is a minimum of two years and can be obtained at UCA. A four-year professional program is available at the University of Arkansas for Medical Sciences (UAMS) School of Pharmacy in Little Rock.

The following courses are those offered at UCA which specifically fulfill the requirements for admission to UAMS, although the requirements are fairly standard for most schools of pharmacy. A student who decides on a school other than the University of Arkansas should contact that particular school to find out the pre-professional course requirements, the length of the professional program and the degree that is received upon graduation.

Requirements change occasionally and, hence, frequent consultation with the advisor is strongly

Choose two (2) of the following seven (7) courses:

Accounting 2310 (Principles I), Chemistry 3520 (Quantitative Analysis), Mathematics 1591 (Calculus I), Mathematics 2561 (Calculus II), Mathematics 2311 (Statistical Methods), Physics 1420 (College Physics II), Philosophy 2310 (Introduction to Logic)

ECONOMICS - (3 Hours)

Economics 1310 (Modern Political Economy)

ENGLISH - (9 Hours)

English 1310 and 1320 (Composition I and II) and one of the following:

English 3300 (Creative Writing); English 2305 (or higher literature course) or Speech 1310 (Basic Speech)

MATHEMATICS - (5 or 6 Hours)

Mathematics 1390 (College Algebra and Mathematics) and 1392 (Trigonometry) or Mathematics 1580 (Algebra and Trigonometry) or 1591 (Calculus)

PHYSICS - (4 Hours)

Physics 1410 (College Physics)

HUMANITIES ELECTIVE TO TOTAL 65 HOURS

ACCEPTABLE

Survey courses in Art, Music, History, Theater, Literature, Philosophy, Religion, Foreign Language, Sign Language, Psychology, Sociology, Anthropology, Political Science, and Geography

UNACCEPTABLE

COURSES IN: Health, Physical Education, Business, Natural Science, Military Science, Education, Studio courses in Art, Music or Theater, and Computer Science.

**\*NO MORE THAN SIX HOURS OF CLEP OR CREDIT BY EXAMINATION**

# **PRE-VETERINARY MEDICINE**

**Advisor:** Dr. Ken Freiley, 450-5926

The state of Arkansas does not have a school of veterinary medicine, but any student interested in becoming a veterinarian may enroll in the pre-veterinary medicine curriculum at UCA and prepare for application to any of several out-of-state schools. For example, the School of Veterinary Medicine at Louisiana State University admits numerous Arkansas residents each year. A few Arkansas residents also have been admitted each year to Tuskegee University (Alabama), Kansas State University, the University of Missouri, and Oklahoma State University.

The interested student should anticipate spending three to four years preparing for admission to any school of veterinary medicine. The major and minor fields of study most commonly chosen are biology and chemistry. Students entering veterinary medicine school before they have completed a degree may be able to fulfill the requirements for an undergraduate degree at veterinary school, providing they have completed 96 hours of prescribed work at UCA.

The minimum course requirements for admission to LSU are given below. All requirements for admission may be completed at UCA. Since these requirements may change and since other schools' requirements differ from these, correspondence with each of the schools to which the student will apply should begin early enough to allow correction of deficiencies in that student's course of study.

English 1310, 1320 Physics 1410, 1420

Biology 1410, 1430, 4525 Mathematics 1580; or 1390,1392

Chemistry 1450, 1451, 1420

## **CONCURRENT UNDERGRADUATE/GRADUATE ENROLLMENT**

If a senior is in the last term of enrollment before receiving a baccalaureate degree and is otherwise fully qualified to enter graduate study, that student may be admitted to concurrent status. An Application for Admission to the Graduate School and an application for concurrent status must be filed with the Graduate School at least six weeks prior to registration. The student's entire program is subject to the regulations and requirements for graduate study. Graduate credit will be received only if the student completes the requirements of the bachelor's degree during the term in which the graduate courses are taken.

# **DIVISION OF CONTINUING EDUCATION**





## **CORRESPONDENCE STUDY FOR NON-RESIDENCE CREDIT**

The university provides the opportunity for a person who cannot be in residence to do work by correspondence study for non-residence credit. No more than one-fourth of the total requirements for a baccalaureate degree may be earned in such a manner. A person interested in taking such course work should contact the Division of Continuing Education for information describing the regulations governing this service.

A course completed in residence may not be repeated by correspondence study for non-residence credit.

A student must be a high school graduate or possess the equivalent thereof to be eligible to enroll in correspondence

## **CREDIT BY EXAMINATION IN FOREIGN LANGUAGES**

A student who has studied a foreign language in high school may receive university credit under certain conditions. These provisions are explained in the Department of Foreign Languages section of the catalog.

## **COURSE EXEMPTIONS AND CHALLENGE EXAMINATIONS**

University departments may specify appropriate placement, exemption, or challenge examinations for general education requirements or for major or minor requirements. Advanced placement does not excuse a student from taking the total number of hours specified in such programs.

## **COURSE NUMBERS**

The numbers used to identify courses indicate the classification of students for which they were designed, the amount of credit, and a departmental designation.

1000-- courses designed for beginning students.

2000-- second level courses (in the sequential development of programs representing a higher level of sophistication than the 1000-level courses).

3000-- courses that are open to both sophomores and upper division students.

4000-- courses open only to juniors and seniors.

5000-7000--graduate courses, open only to students admitted to the Graduate

School.

The first digit determines the classification level of the course. The second digit indicates the amount of credit. A course numbered 1300 is a freshman course giving three hours of credit. The last two digits distinguish a course from other courses offered by the same department. A course number preceded by "s" indicates that the credit is less than usual.

## **CREDIT BY EXAMINATION**

A student may present no more than 30 hours credit earned through examination toward the associate or baccalaureate degrees.

## **CREDIT HOURS AND MAXIMUM LOAD**

The unit of credit at the university is the semester hour. A semester hour is defined as the credit earned for the successful completion of one hour per week in class for one semester, or a minimum of two hours per week of laboratory work for one semester. (A course that gives three semester hours credit will normally meet for the equivalent of three lecture or recitation hours per week; or for two lecture or recitation hours and two laboratory hours per week; or for some other combination of these.) Each lecture hour suggests a minimum of two hours preparation on the part of the student.

The minimum number of semester hours per semester for classification as a full-time undergraduate student is twelve. The maximum number of semester hours in which a student with less than a B average (3.000) may enroll is eighteen. A student who has an overall GPA of 3.000 or a GPA of 3.000 in the preceding semester may, with the approval of the Registrar, schedule a maximum of twenty-one hours for the following semester.

For each term of the summer session, four semester hours is the minimum load for classification as a full-time student; seven semester hours is the maximum allowable. No student may schedule more than a total of seven semester hours in the two summer session terms.

While enrolled for residence credit in the university, a student may carry correspondence study for non-resident credit, with the approval of the Registrar. Residence credit is that which is earned through University of Central Arkansas courses, excluding correspondence study courses.

## **THE CREDIT, NO-CREDIT GRADING OPTION**

The credit, no-credit grading option is designed to provide the opportunity for a student to explore academic areas that are not included in required areas of study.

Under the credit, no-credit option, a junior or senior student in good standing may take one elective course each semester (for a maximum of four courses). These courses will not be permitted to satisfy general education, degree, or major and minor (graduation) requirements.

The student must declare an intention to the Registrar to receive the "credit, no-credit" designation by the close of the late registration period, and may not change to grade status during the term. Passing work will receive credit; failing work, no-credit. In either event, the course will not calculate in the grade point average.

The above regulations do not apply to courses that are graded only on a credit, no-credit basis.





education program leading to certification must also satisfy requirements listed under the Bachelor of Science in Education degree. (p.)

**Bachelor of Arts.** In addition to the other requirements for graduation, the Bachelor of Arts degree requires completion of three semester hours of a modern foreign language on the 2000-level or above.

The normal sequence for the student who has had no previous experience with a foreign language is: 1310, 1320, and 2300 or 2310. A student having studied a foreign language in high school may waive 1310, 1320, or both by means of a placement examination administered by the Department of Foreign Languages and successful completion (with a minimum grade of "B") of the next sequential foreign language course above the level for which credit is to be awarded.

**Bachelor of Business Administration.** In addition to the other requirements for graduation, the student who plans to earn the Bachelor of Business Administration degree must complete the requirements in business foundation and core courses as specified in the Department of Business section. (p.)

**Bachelor of Fine Arts.** The requirements for the Bachelor of Fine Arts degree is specified in the Department of Art section. (p.)

**Bachelor of Music.** The requirements for the Bachelor of Music and Bachelor of Music degree is specified in the Department of Music section. (p.)

**Bachelor of Science.** In addition to other requirements for graduation and the general education requirements in mathematics and science, the Bachelor of Science degree requires completion of one year of mathematics (excluding UNIV 1340) or a laboratory science, (e.g., 2 courses in Biology, 2 courses in Chemistry, etc.). General education courses cannot be used to satisfy the additional year of mathematics or science.

**Bachelor of Science in Nursing.** The requirements for the Bachelor of Science in Nursing are specified in the Department of Nursing section. (p.)

**Bachelor of Science in Education and Bachelor of Music Education.** Candidates for the B.S.E. and B.M.E. degrees must complete a major in a certifiable teaching field. The requirements for admission to the Teacher Education Program, admission to the Directed Teaching, for certification and other requirements are specified in the College of Education section (p.).

## GENERAL DEGREE REQUIREMENTS

**Total Credit Requirements:** To be eligible for a baccalaureate degree a student must earn a minimum of 124 unduplicated semester hours. (40 hours must be upper division). Some baccalaureate programs exceed the 124-hour

The student completing a double major shall not be required to present a minor, but may do so if desired.

To upgrade the student program to a more recent bulletin, all requirements of the new bulletin for both majors will have to be satisfied.

The secondary major may be completed simultaneously or sequentially.

The secondary major may not be awarded after the degree for the primary major has been awarded.

No more than two majors and one minor may be recorded.

**Examinations.** A student is expected to sit for all examinations required by the university.

**Commencement.** The university holds commencement ceremonies at the end of the spring semester in May, at the end of the summer session in August, and at the end of the fall semester in December. Undergraduate students apply for graduation in the Office of the Registrar. All students pay the graduation fee to the Business Office. Each semester of the schedule of classes lists the deadline date by which the application for graduation in that term must be made.

Only students completing degree requirements are afforded the opportunity to attend the commencement ceremony. If attendance is not possible, students should notify the Office of the Registrar in writing, requesting that the degree be awarded in absentia.

# **INFORMATION DIRECTORY**

UCA Main Telephone #: (501) 450-5000

When calling on campus dial 4 + the last 4 digits of the number

## **DEPARTMENT EXTENSION**

Accounting 450-3108

Admin & Secondary Education 450-3174

Admin Serv/Bus Education 450-3110

Admission/Graduate 450-3124

Admissions/Undergraduate 450-3128

Advisor/Assignment 450-3125

Art 450-3113

Biology 450-3146

Bookstore 450-3166

Cashier Univ/Bus Office 450-3187

Change of Address 450-5200

Change of Major 450-3125

Chemistry 450-3152

Childhood Education 450-3169

Continuing Education 450-3118

Correspondence Study 450-5274

Counseling Center 450-3138

Dean-Business Administration 450-3106

Dean-Education 450-5401

Dean-Fine Arts & Communication 450-3297

Dean-Graduate School 450-3124

Dean-Health & Applied Sciences 450-3122

Dean-Liberal Arts 450-3167

Dean-Natural Sciences & Math 450-3199

Dean of Undergraduate Studies 450-3125

Economics & Finance 450-3109

Ed Media/Library Science 450-3177

English 450-5103

Enrollment Verification 450-5044

Family & Consumer Science 450-5950

Financial Aid 450-3140

Foreign Language 450-3168

Geography 450-3164

Graduate-Admission/Withdrawal 450-3124

Minority Affairs 450-3135  
Music 450-3163  
Nursing 450-3119  
Occupational Therapy 450-3192  
Off-Campus Courses 450-3118  
Philosophy 450-3179  
Physical Therapy 450-3611  
Physics & Astronomy 450-5900  
Placement & Career Planning 450-3134  
Police 450-3111  
Political Science 450-3412  
Post Office 450-3115  
President 450-3170  
Professional Field Services 450-3131  
Provost 450-3126  
Psychology/Counseling 450-3193  
Registrar 450-3197  
Sociology 450-3178  
Special Education 450-3172  
Speech Pathology 450-3176  
Speech, Theatre, Mass Comm. 450-316  
Registrar 450-31  
Sareer 76

Vice Pres/Student Services 450-3416

Vice Pres/Administrative Services 450-5005

Writing Program 450-3344

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**MOHAMED NOUR**, Assistant Professor of Information Systems, Ph.D. Kent State University, M.B.A. Miami (Ohio) University, M.A. Miami (Ohio) University, B.S. University of Khartoum, Sudan

**CHUDI OBI JEK WU**, Assistant Professor of Psychology and Counseling, Ed.D. Tennessee State University, M.S. Tennessee State University, B.A. Philander Smith College

**WOLFGANG OESTE**, Assistant Professor of Music, M.A. Northwestern University, B.A. University of Manitoba, Canada

**ALBERT OPPEL**, Instructor, Applied Research Center, Oklahoma State University, EHQ-1.1087 E-1.10iNH8.7EP8nitoba

**ANNE L. PATTERSON**, Associate Professor of Music, Assistant Dean, College of Fine Arts and Communication, Ph.D. University of Florida, M.M.E. University of Florida, B.A. Georgia College

**GEORGE S. PAUL**, Professor of Chemistry, Ph.D. Iowa State University, B.S. Coe College

**NICHOLAS LAWRENCE PEDERSON**, Associate Professor of Kinesiology and Physical Education, Ed.D. Brigham Young University, M.S. Mankato State University, B.S. Mankato State University

**ROCKIE PEDERSON**, Instructor of Kinesiology and Physical Education, M.S.E. Henderson State University, B.S.E. Henderson State University

**DAVID R. PETERSON**, Director, Ozark Heritage Institute, Professor of Mathematics, Ph.D. Michigan State University, B.A. Ripon College

**PAUL E. PETERSON**, Professor Administration and Secondary Education, Ed.D. University of Akron, M.Ed. Clarion University, B.S. Clarion University

**PATRICIA PHELPS**, Associate Professor of Administration and Secondary Education, Ed.D. East Texas State University, M.Ed. Northeast Louisiana University, B.A. Northeast Louisiana University

**CARRIE PHILLIPS**, Instructor of Physical Therapy, B.S. University of Central Arkansas

**HELEN EVANS PHILLIPS**, Professor of Art, M.F.A. University of Florida, B.S. Memphis State University

**DWIGHT PIERCE**, Associate Professor of Health Sciences, Ph.D. University of Iowa, B.S. Iowa State University

**CAROLYN L. PINCHBACK**, Associate Professor of Mathematics, Ph.D. University of Texas at Austin, M.Ed. Texas A & M University, College Station, B.S. University of Texas at Austin

**JOEL B. POWWELS**, Associate Professor of Foreign Languages (Spanish), Ph.D. Michigan State University, M.A. Michigan State University, B.A. Albion College

**RANDALL POWWELS**, Professor of History, Ph.D. University of California, Los Angeles, M.A. Duquesne University, B.A. University of Wisconsin

**HAROLD PRAY**, Professor of Physics and Astronomy, Ph.D. University of Tennessee, M.S. University of Tennessee, B.S. University of Central Arkansas

**PATRICIA REA PRICE**, Instructor of Mathematics, Ph.D. University of Mississippi, M.S. University of Mississippi, B.S.E. Arkansas State University

**JOAN E. PRITCHARD, CPA**, Assistant Professor of Accounting, Director of Instructional Development, M.S.E. University of Tennessee, B.S. University of Connecticut

**JACQUE RAINEY**, Assistant Professor of Health Sciences, Ph.D. University of South Carolina, M.S. University of Central Arkansas, B.S.E. University of Central Arkansas

**LYNN R. RAMAGE**, Instructor, Intensive English Program, M.Ed. Boston University, B.A., B.F.A. Southern Methodist University

**TOD F. RAMSEYER**, Assistant Professor of Physics and Astronomy, Ph.D. University of Texas at Austin, M.A. University of Texas at Austin, B.A. Haverford College

**JESSE RANCIFER**, Associate Professor Administration and Secondary Education, Ph.D. Kansas State University, M.S.E. Tuskegee Institute, B.S. University of Arkansas at Pine Bluff

**MICHAEL W. RAPP**, Professor of Chemistry, Ph.D. Indiana University, B.S. Southeast Missouri State University

HARRY W. READNOUR,

**MICHAEL SCHAEFER**, Associate Professor of English, Ph.D. University of North Carolina, M.A. North Carolina State University, B.A. University of North Carolina

**NORBERT O. SCHEDLER**, Professor of Philosophy, Director of Honors College, Ph.D. Phil. Princeton University, New Jersey, M. Phil. Washington University, St. Louis, M. Div. Concordia Seminary, St. Louis, B.A. Concordia College, St. Louis

**GEORGE W. SCHUYLER**, Professor, Chair, Department of History, Ph.D. Stanford University, M.A. Johns Hopkins University, B.A. Yale University

**MICHAEL T. SCOLES**, Associate Professor of Psychology and Counseling, Ph.D. Northern Illinois University, M.A. Northern Illinois University, B.A. Suny College

**RICHARD I. SCOTT**, Professor of Sociology, Ph.D. University of Nebraska, Lincoln, M.A. University of Nebraska, Lincoln, B.S. Indiana State University

**MICHAEL A. SEGER**, Instructor of Mathematics, M.S.E. University of Central Arkansas, B.S.E. University of Central Arkansas, A.A. Arkansas State University at Beebe

**CHARLES J. SEIFERT**, Professor, Interim Chair, Department of Computer Science, Ph.D. Kent State University, M.A. Kent State University, B.S. Kent State University

**FRANK K. SERVEDIO**, Assistant Professor of Kinesiology and Physical Education, Ph.D. Ohio State University, M.S. Herbert H. Lehman College, B.A. Herbert H. Lehman College

**ROBYN SERVEN**, Associate Professor of Mathematics, Ph.D. University of Oregon, M.A. University of Oregon, B.A. Portland State University

**GAYLE SEYMOUR**, Associate Professor of Art, Ph.D. University of California, Santa Barbara, M.A. University of California, Santa Barbara, B.A. University of California, Santa Barbara

**LYNNE SEYMOUR**, Instructor of Nursing, M.N.Sc. University of Arkansas, Medical Sciences, B.S.N. University of South Carolina

**LINDA SHALIK**, Associate Professor, Chair, Department of Occupational Therapy, Ph.D. University of Florida, M.Ed. University of Florida, B.S. Ohio State University

**HOPE SHASTRI**, Assistant Professor of Educational Media and Library Sciences, Ph.D. Texas Woman's University, M.L.S. Vanderbilt, M.S.E. University of Central Arkansas, B.A. University of Arkansas

**JIM SHELTON**,

Department of Psychology and Counseling, Ph.D. Wayne State University, M.A. Wayne State University, B.A. Cleveland State University

**BILLY LEE SMITH**, Professor of Psychology and Counseling, Ph.D. University of Mississippi, M.S. University of Mississippi, B.A. Northeast Louisiana University

**D. DERALD SMITH**, Professor of Biology, Ph.D. University of Texas, M.S. University of Oklahoma, B.S. University of Oklahoma

**DONNA S. SMITH**, CMA, Assistant Professor of Accounting, M.B.A. Louisiana Tech University, B.B.A. Southern Arkansas University

**GLENN DON SMITH**, Professor of Speech, Ph.D. University of Nebraska, M.A. Northern Colorado University, B.A. Western Michigan University

**JO KAREN SMITH**, Instructor of Mathematics, M.S.E. University of Arkansas, B.S.E. University of Arkansas

**KATHLEEN A. SMITH**, Instructor of Mathematics, M.S. University of Central Arkansas, B.A. University of Dallas

**TERESA SMITH**, Associate Professor of Psychology and Counseling, Ph.D. University of Mississippi, M.S. University of Mississippi, B.A. Southeastern Louisiana University

**TODD A. SMITH**, Assistant Professor of Mathematics, Ph.D. University of Virginia, M.S. University of Virginia, B.S. Arkansas College, B.S. University of Rochester

**BARRON SOUTH**, Instructor of Physical Therapy, M.S. University of Central Arkansas, B.S. University of Central Arkansas, AAS, University of Central Arkansas

**PAMELA A. SPIKES**, CPA, Associate Professor of Accounting, Ph.D. University of Mississippi, M.S. University of Arkansas, B.S. University of Arkansas

**CONRAD STANITSKI**, Professor, Chair, Department of Chemistry, Ph.D. University of Connecticut, M.S. University of Northern Iowa, B.S. Bloomsburg State College

**GARY D. STARK**, Professor of History, Dean, College of Arts and Letters, Ph.D. Johns Hopkins University, M.A. Johns Hopkins University, B.A. Hamline University

**AMELIA STEELMAN**, Associate Professor of Childhood Education, Ed.D. East Texas State University, M.S. East Texas State University, B.S.E. University of Central Arkansas

**ELLEN POWERS STENGEL**, Instructor of Writing, Ph.D. Duke University, M.A. Duke University, B.A. Smith College

**WAYNE B. STENGEL**, Professor of English, Ph.D. Duke University, M.A. New York University, M.A. University of Louisville, B.A. Grinnell College

**MARETTE STIRITZ**, Associate Professor of English, Ph.D. University of Arkansas, M.A. University of Arkansas, B.S.E. Arkansas State University

**JAYME M. STONE**, Coordinator, Division of Undergraduate Studies, M.A. University of Central Arkansas, B.A. Arkansas Tech University

**SHEILA STROMAN**, Assistant Professor of Nursing, M.S.N. University of Central Arkansas, B.S. University of Central Arkansas

**LORNA STRONG**, Instructor of Kinesiology and Physical Education, M.S. University of Central Arkansas, B.A. Rice University



**RYAN STRONG**, Instructor of Kinesiology and Physical Education/Acting soccer coach, M.S. University of Central Arkansas, B.S. Texas Tech University

**R. DAVID SUMPTER**, Associate Professor of Childhood and Special Education, Ph.D. Peabody College of Vanderbilt University, M.S. Arkansas State University, B.S. Arkansas State University

**SLOAN SWINDLE**,

**BEVERLY TALLENT**,

**BEN WAGGONER**, Assistant Professor of Biology, Ph.D. University of California at Berkeley, B.A. Tulane University, B.S. Tulane University, New Orleans

**RICHARD WALKER**, Instructor of Music, M.M. University of Illinois, B.M. University of Northern Kentucky

**THOMAS MATTHEW WALKER**, Assistant Professor of Biology, Ph.D. Virginia Polytechnic Institute and State University, B.S. Virginia Polytechnic Institute and State University

**LYN B. WALLACE**, Assistant Professor of Art, M.F.A. Fort Hays State University, B.A. Fort Hays State University

**PAULETTE H. WALTER**, Instructor of Journalism, M.S. Ohio University, B.A. University of Alaska, Fairbanks

**JOE WALTHALL**, Professor of Special Education, Ed.D. University of Northern Colorado, M.S. Oklahoma State University, B.S. University of Central Arkansas

**MING-FANG WANG**, Associate Professor of Computer Science, Ph.D. Southern Methodist University, Master

**REBECCA WILLIAMS**, Associate Professor of English and Director of University Writing Center, Ph.A. University of Arkansas, M.A. University of Arkansas, B.S.E. University of Arkansas

**ROBERT D. WILLIAMS**, Professor of Psychology and Counseling, Coordinator of Undergraduate Psychology, Ph.D. University of Mississippi, M.A. Stephen F. Austin University, B.S. North Texas State University

**DENIS WINTER**, Professor of Music, D.M.A. University of North Texas, M.M. New England Conservatory, B.M. Ohio University

**ANN WITCHER**, Assistant Professor, Administration and Secondary Education, Ed.D. University of Arkansas, Ed.S. University of Central Arkansas, M.Ed. University of Arkansas, B.S. University of Kansas

**HEATHER WOOLVERTON**, Associate Professor of Physics and Astronomy, Ph.D. Texas A & M University, B.S. University of Southern Colorado

**TERRY A. WRIGHT**, Associate Professor of English, M.F.A. Bowling Green State University, M.A. University of Arkansas, B.A. Morningside College

**JEFF YOUNG**,

**KATHRYN SUE YOUNG**, Assistant Professor of Speech, Ph.D. Pennsylvania State University, M.A. Pennsylvania State University, B.A. Mansfield University

**RETA ZABEL**, Assistant Professor of Physical Therapy, M.S. University of Central Arkansas, B.S. University of Texas Health Science Center

**JAIME ZAMBRANO**, Assistant Professor of Foreign Languages (Spanish), Ph.D. University of Missouri, M. A. University of Missouri, B.S. Universidad de Colombia

**DAVID ZEHR**, Associate Professor of Biology, Ph.D. Medical University of South Carolina, M.S. North Carolina State University, B.A. Dartmouth College

**CAROLYN ZIMMERLY**, Instructor of Childhood, Assistant Director of Child Study Center, M.Ed. University of Central Arkansas, B.S. Lamar University

**ELISA ZUBER**, Instructor of Physical Therapy, M.S. Radford University, B.S. Virginia Medical College/Virginia Commonwealth University

## **ATHLETIC STAFF**

**SALLIE DALTON**, Compliance Coordinator, M.S.E. University of Central Arkansas, B.S.E. Southern Arkansas University

**CLIFTON EALY**, Assistant Football Coach, M.S.E. University of Central Arkansas, B.S.E. University of Central Arkansas

**CHARLES HERVEY**, Assistant Men's Basketball Coach, M.S.E. University of Central Arkansas, B.S.E. University Central Arkansas

**MIKE ISOM**, Head Football Coach, M.S.E. University of Central Arkansas, B.S.E. University of Central Arkansas

**ARCH JONES**, Acting Head Men's Basketball Coach, Assistant Athletic Director, M.S.E. University of Arkansas B.S.E. Arkansas Tech University

**BILL KEOPPLE**, Assistant Football Coach, Golf Coach, M.S.E. University of Central Arkansas, B.S.E. University of Central Arkansas

**RICHARD MARTIN**, Head Track Coach, Head Women's Track Coach, M.S.E. University of Central Arkansas,

B.S.E. University of Central Arkansas

**RONALD MARVEL**, Head Women's Basketball Coach, Women's Tennis Coach, M.S.E. University of Arkansas, B.S.E. University of the Ozarks

**SCOTT SCHWARTZ**, Assistant Football Coach, M.S.E. University of Central Arkansas, B.S. University of Central Arkansas

**BILL STEPHENS**, Athletic Director, M.S.E. University of Central Arkansas, B.S.E. University of Central Arkansas

**RYAN STRONG**, Soccer Coach, M.S. University of Central Arkansas, B.S. University of Texas Tech

**DARRYL WALSH**, Acting Women's Volleyball Coach, Men's Tennis Coach, B.S.E. University of Central Arkansas, M.S. University of Central Arkansas

**TOBY WHITE**, Acting Baseball Coach, M.S. Ed. University of Central Arkansas, B.S. Louisiana College

## **FEES AND OTHER CHARGES**

### **General Information**

The university is supported chiefly by state appropriations. Student fees constitute only a small percentage of the actual costs of a student's education.

The goal of the university is to offer the best possible educational opportunities and services at the lowest possible costs. One of the ways the university is able to accomplish this is by requiring that all student fees and the first installment of room and board must be paid at the beginning of the semester with the subsequent three room and board installments scheduled in approximately 30 day intervals. Registration is incomplete until all financial obligations have been satisfactorily met. Collection fees for outstanding debts owed to the university may be assessed to the student. The university reserves the right to amend or add to the regulations of the institution, including those concerning fees and methods of payment, and to make such changes applicable to students enrolled in the university, as well as to new students.

### **Matriculation Fees (Undergraduate)**

Matriculation fees are based on the number of hours in which a student is enrolled. Current fee schedules can be obtained in the Business Office.

## **WITHDRAWALS AND REFUNDS**

### **Fall and Spring Semesters**

Students who officially drawing from the university may receive a 75% refund of paid fees if the withdrawal is completed by the 5th Friday of the semester. 100% refunds will not be made if the withdrawal takes place on or after the first day of schedule classes. Students receiving Title IV financial aid funds will be adjusted according to the Federal Regulations governing these funds. (See the Financial Aid Office.)

### **Class Adjustments**

Students who make schedule adjustments (drops) on or after the first day of scheduled classes and on or before the 5th

Friday of classes will be refunded at a rate of 75% of the difference in the cost of the original enrolled classes and the new enrollment. Financial Aid regulations govern those students who receive Title IV funds. (See the Financial Aid Office.) Refunds of less than \$5.00 will not be granted.

## **Summer Terms**

## **Withdrawals**

Students who officially withdraw from the university may receive a 75% refund of paid fees if the withdrawal is completed by the 1st Friday of the semester. 100% refunds will not be made if the withdrawal takes place on or after the first day of scheduled classes. Students receiving Title IV financial aid funds will be adjusted according to the Federal Regulations governing these funds. (See the Financial Aid Office.)

## **Class Adjustments**

Students who make schedule adjustments (drops) on or after the first day of scheduled classes and on or before the 1st Friday of classes will be refunded at a rate of 75% of the difference in the cost of the original enrolled classes and the new enrollment. Financial Aid regulations govern those students who receive Title IV funds. (See the Financial Aid Office.) Refunds of less than \$5.00 will not be granted.

## **ROOM AND BOARD REFUNDS**

If a student withdraws from housing before the end of the academic year, the room deposit will be forfeited. Any unused room and board will be refunded. No refund will be made because of absences.

## **Non-Resident Students**

A student must be a bona fide resident of Arkansas for at least six consecutive months prior to registration to be classified as an "in-state" student. Complete regulations and a form for requesting a change in classification for this purpose may be obtained from the Admissions Office.

## **Identification Card**

Student identification cards are issued at the time of registration. A charge of \$5.00 will be made for replacement cards.

## **Late Registration Fee**

A late fee will be charged for registration on or after the first day of classes for the university. The Schedule of Classes for each semester and summer session details specific dates for registration.

## **Drop/Add Fee**

A charge will be imposed for each course dropped or added on or after the first day of classes for the university. The Schedule of Classes for each semester and summer session details the specific amount of the drop/add fee. The fee will not be charged for schedule changes requested by the university.

## **Applied Music Fees**

See Department of Music.

## **Health Science Fees**

See major department.

## **Bowling Fees**

Bowling classes are held at a commercial establishment; therefore, a participation fee based on current prices will be charged.

## **Transcript Fee**

There is no charge for the first official academic record transcript issued to a student. A graduate receives two official transcripts free of charge with the diploma. A nominal fee is charged for each additional copy. Official academic record transcripts may be released only after all obligations to the university have been satisfied.

## **Breakage Charges**

It is a policy of the university to charge all students a breakage fee for materials, equipment, etc., damaged over and above ordinary wear and tear.

## **Graduation Fees**

Each candidate for the associate, baccalaureate, master, and specialist degree pays an appropriate graduation fee to the Business Office at the time of application for graduation.

## **Food Services**

University dining services assure students a healthful and balanced diet at an economical cost.

Several meal plans are available to students: Students are required to select a plan at the beginning of each semester. That selection may not be changed during the course of the semester.

All students living on campus are required to take meals in the cafeteria. Off-campus students may also opt to eat in the cafeteria. Students requiring a special diet should bring a doctor's order and recommended diet to the Director of Food Services.

## **HOUSING COSTS**





These two programs provide part-time jobs for a limited number of students each year. The university discourages freshman students from working during the first year of their collegiate education.

## **Veterans Benefits**

There is financial aid available through the various veterans' programs. The Cold War Benefits, War Orphans Educational Law, and the Children of Disabled Veterans are some of the programs that aid those who qualify. Since much of this is technical information, it is suggested that an individual applying for aid from Veterans Administration programs contact the Regional Office of the United States Department of Veterans Affairs. The University of Central Arkansas Office of the Registrar may provide enrollment certification information and application forms. However, it does not provide Veterans Administration counseling or advising.

## **GENERAL EDUCATION**

A liberal education expands the understanding of students beyond their own experiences and the boundaries of a specific discipline, encourages the lifelong process of seeking enlightenment, and adds discipline and meaning to existence. By concentrating on the values of liberal education, the general education program at the university is designed to help students understand their place in the development of civilization and appreciate the significant contributions of the sciences, the arts, and the humanities. It recognizes that a comprehension of mankind's intellectual heritage is the essence of an educated person. The university is therefore dedicated to the idea that all students should pursue a program of general education.

Such a program has three functions. First, it seeks to orient the student to society by developing a familiarity with ethical and social values, and cultural traditions, and political and technological realities that explain its past, inform its present, and shape its future. Second, the broad content of the program introduces the student to the major approaches to the collection of information, its organization into meaningful statements, and its application to problems.

The student is thereby encouraged in the arts of abstraction, clear expression, and critical thought. Third, it gives the student a rational basis for choosing an area of specialization and the flexibility to respond to the changing demands of professional and personal life. As the nucleus of the learning experience, the general education program encourages students to appreciate the world and to cope successfully with its complexity and challenges.

## **OBJECTIVES OF GENERAL EDUCATION**

To participate in the lifelong process of enlightenment and to add discipline and meaning to life, students should realize the following objectives through the general education program:

1. Gain an accurate and sensitive perspective on world civilization and its relationship to world cultures.
2. Gain an understanding of the scientific method, its value in collecting, organizing, and analyzing information, and its application to problem solving.
3. Distinguish between facts and intellectual constructs (theories, hypotheses, beliefs) in order to understand the basis of mankind's attitudes and actions.
4. Derive skills and/or appreciation of arts and letters in order to pass the aesthetic values of the culture on the future generations and as a means of disciplining and enriching one's own life.
5. Understand the unique symbol systems of the various disciplines and acquire the skill to use these systems.
6. Understand interrelatedness of the various disciplines in order to see personal, economic, and social problems more clearly -- to analyze them more cogently, to avoid the mistakes of the past, and to contribute to the society's political, social, scientific, cultural, and ethical future.

## **GENERAL EDUCATION COURSE OF STUDY**

## **Composition**

### **6 hours minimum required**

ENGL 1310 Composition I

ENGL 1320 Composition II

\*Other writing courses may be developed to fulfill this area.

\*\*A student must enroll in ENGL 1310 and 1320 during the first two semesters of attendance, unless the requirement has been previously met.

## **Fine Arts**

### **3 hours minimum required**

ART 2300 Art Appreciation

MUS 2300 Music Appreciation

SPTA 2300 Theatre Appreciation

## **Health Studies**

### **3 hours minimum required**

H ED/KPED 1320 Concepts of Lifetime Health and Fitness

## **History and Government**

### **3 hours minimum required**

HIST 2301 American Nation I

HIST 2302 American Nation II

PSCI 1330 US Government and Politics

**Humanities**

**3 hours minimum required**

**Mathematics**

**3 hours minimum required**

MATH 1360 Mathematics for General Education

MATH 1390 College Algebra

MATH 1392 Plan Trig

MATH 1580 Pre-Calculus Mathematics

MATH 1591 Calculus I

**Oral Communication**

**3 hours minimum required**

SPTA 1300 Basic Oral Communication

**Sciences**

**8 hours minimum required. Both courses must include a laboratory.**

**4 hours required from:**

BIOL 1400 Biology for General Education

BIOL 1410 Molecular and Cellular Principles of Biology

Other laboratory Biology courses

**4 hours required from:**

CHEM 1400 Chemistry in Society

PHYS 1400 Physical Science for General Education

PHYS 1401 Descriptive Astronomy

Other laboratory Chemistry and/or Physics courses

**Social Science**

**9 hours minimum required**

3 hours from World History I or World History II

3 hours from World Literature I or World Literature II

3 hours from World History, World Literature, World Religions, or other courses that may be developed





EXAMPLE: A student enrolls in four courses (fourteen credit hours) as follows:

**Credit (CH)x Grade Points (GP)**

**Hours (CH) Grade Total (GP)**

ENGLISH 1301 3 A (3x4) 12

HISTORY 2301 3 B (3x3) 9

MATH 1591 5 C (5x2) 10

HEALTH & PHY ED 3 B (3x3) 9

\_\_\_\_\_  
TOTAL 14 40

Semester GPA:  $40 \text{ GP} / 14 \text{ CH} = 2.86$

**GRADE FORGIVENESS**

A student may repeat in residence a maximum of twelve semester hours of courses in which a "D," "F," or "WF" grade is earned. Both grades will remain on the permanent record, but only the second grade will be used to calculate the grade point average. This option may be used only once for each course in which a "D," "F," or "WF" was received. A student must accept, for purposes of grade forgiveness, the first twelve hours repeated. No course may be repeated for the purpose of grade forgiveness after a course for which it is a prerequisite has been passed. No course may be repeated by correspondence. The grade forgiveness provision is applicable only to students who do not possess a baccalaureate degree.

**GRADE AVERAGING**

A student has the privilege of repeating a course in residence at UCA in an attempt to improve a grade previously made. All other grades earned previously in the course are used in computing the grade point average, while the grade earned the last time the course is taken is the grade that will be considered as the final grade. No course may be repeated for grade after a course for which it is a prerequisite has been passed.

**DEFERRED CREDIT (INCOMPLETE GRADE)**

The grade of "X" is given only if satisfactory completion of the remaining course requirements can result in a passing grade for that semester's work. An "X" grade is not computed in the grade point average. One calendar year is the

## GRADUATION

To be eligible for graduation, a student must file a program of study approved by the major and minor advisors that contains at least 124 semester hours of unduplicated credit (40 hours must be upper division), or more if the curriculum requires it. A grade point average of not less than 2.000 is required in each of the major and minor fields and cumulatively. Some programs of list specific grade point requirements unique to their cumulative areas in the department section of this bulletin. For purposes of grade point calculation, all course work attempted in the major or minor field will be included in determining the major or minor grade point average. A transfer student will need to satisfy all these grade-point requirements on work taken at this university.

**Maintenance of Standards.** The university reserves the right to deny further attendance to a student who lacks the personal qualities, professional characteristics, or scholastic attainments essential for success. Such a student desiring to re-enroll will supply the university with evidence that the difficulties have been corrected.

# THE HONORS COLLEGE

Professor of Philosophy and Director: Dr. Norbert O. Schedler

Professor of Sociology and Associate Director: Dr. Richard I. Scott

## PURPOSES

The Honors College recognizes that gifted and talented students have special educational needs. In order to help meet the needs of such students, the Honors College gives able students the opportunity:

1. To take a series of specially designed courses.
2. To participate in a peer community of students with similar abilities.
3. To participate in a variety of extra-curricular academic experiences.
4. To receive individualized instruction in an Oxford Tutorial.
5. To write an Honors College Thesis Project and present it before faculty and students.

## GENERAL INFORMATION

**The Honors Program.** The Honors Program is a multi-course sequence called the Honors Core -- The Human Search. These courses are for freshmen and sophomores and fulfill general education requirements. Honors Core courses are broad in scope, transcend disciplinary boundaries, and are taught by a team of professors from different academic disciplines.

**The Honors College.** The Honors College curriculum consists of a fifteen-hour Honors Interdisciplinary Studies minor. At the center of the curriculum is an Oxford Tutorial in which a student works one-on-one with a professor, writes and presents an Honors College Thesis Project. The Honors College is for juniors and seniors chosen from the students completing the Honors Program.

**The Honors Center.** The Honors College is much more than a sequence of courses. In order for the educational process to be at the center of the student's life, the Honors College has a physical place where faculty and students gather for good conversation. The Honors Center has seminar rooms, the Forum, a computer laboratory, study rooms, a library, a specially designed presentation room, and staff offices. Students and faculty come to the Honors Center to study, meet with each other, work on group projects, socialize, and engage in discussion. In addition, speakers, seminars, workshops, High Tables (weekly discussion accompanied by good food), films and videos -- all provide the occasion to keep the conversation going. The center is the focal point for the social and intellectual activity of the Honors College.

**Special Events.** Each year the Honors College sponsors a series of lecture and performance events for the entire campus and central Arkansas community. Nationally prominent figures are invited to speak and spend time interacting with students and faculty. Weekend retreats and special banquet are held for members of the Honors College community. Funds are available to students for travel abroad and research internships, awarded as grants on a competitive basis.

## **HONORS RESIDENCE HALL**

In addition to special instruction, there is a residence hall, Short/Denney, for Honors College Students. Short/Denney houses 130 residents in private, single occupancy rooms. The atmosphere reinforces the learning and friendships developed through the program. Application to Short/Denney is through the Housing Department. Assignments are based on first come, first received housing deposits. Those students who have been accepted into the Honors College, at the time of housing assignments, will be placed in Short/Denney Hall dependent on space availability.

## **ADMISSION REQUIREMENTS**

The Honors Program and Honors College limit enrollment. For admission requirements and more information, write or call:

Director, Honors College

McAlister Hall 306/Box 5024

University of Central Arkansas

Conway, Arkansas 72035-0001

Telephone: (501) 450-3198

## **THE HONORS PROGRAM**

### **THE HONORS CORE: THE HUMAN SEARCH**

**1310 HONORS CORE I** The Search for Self. A critical study of a variety of views on the nature of human beings drawn from various disciplines and different cultures. Team taught. Emphasis on writing skills and critical thinking. By consent only. Fall.

**1320 HONORS CORE II** The Search for Community. A critical study of a variety of views on the nature of society drawn from various disciplines and cultures. Team taught. Emphasis on writing skills and critical thinking. By consent only. Spring.

**2310 HONORS CORE III** The Diversity of the Search. An interdisciplinary study of a non-Western culture through a critical study of its art, economics, history, geography, religion, etc., or a study of cultural pluralism in some form. Team taught. Emphasis on research skills. By consent only. Fall.

**2320 HONORS CORE IV** The Art of the Search. An interdisciplinary study of the arts, including aesthetic theories, music and art history, media and human affairs. Team taught. Emphasis on seminar skills. By consent only. Spring.

**Honors Core I** fulfills General Education requirements for English 1310 or Humanities elective.

**Honors Core II** fulfills General Education requirements for English 1320 or Social Science elective.

**Honors Core III** fulfills General Education requirements for Social Science elective or Humanities elective.

**Honors Core IV** fulfills General Education requirements for Art 2300 or Music 2300.

### **15-hour Minor in Honors Interdisciplinary Studies**

**3310 HONORS SEMINAR** An in-depth study of a selected topic. Emphasis on the presentation of

seminar papers. Consent of Honors College Director. Fall, spring, summer.

**3320 HONORS OXFORD TUTORIAL** A tutorial course for Honors College students. A reading list chosen by the student and his tutor provides the foundation for a thesis to be written by the Honors candidate. Extensive oral presentations required. May be repeated for credit up to six hours. Consent of Honors College Director. Fall, spring, summer.

**4310 SENIOR HONORS SEMINAR** An in-depth study of a selected topic. Open only to Senior Honors College students. Team taught. Emphasis on the presentation of seminar papers and the art of negotiating. May be repeated for credit up to six hours. Consent of the Honors College Director. Fall, spring, summer.

**4320 HONORS COLLEGE THESIS PROJECT** Work on Honors College Thesis Project. The completed Project requires an Oral Presentation and is evaluated by two faculty and the Director or his designee. May be repeated for credit up to six hours. Consent of the Honors College Director. Fall, spring, summer.

**3115, 3215, 3315**

**SPECIAL TOPICS** Readings and discussions in specific areas of study that are of particular interest to the student. Consent of the Honors College Director. On demand.

## **Honors College Graduation Requirements**

To complete the Honors College minor in Honors Interdisciplinary Studies, a student must take 9 hours of Honors Seminars, the Oxford Tutorial, and complete an Honors College Thesis Project with an Oral Presentation.

The specific grade point requirements for the four "graduation with honors" categories are:

### **Category Overall GPA Minor GPA**

Highest Honors 3.85 - 4.00 3.50

High Honors 3.70 - 3.849 3.50

Honors 3.50 - 3.699 3.40

Distinction 3.25 - 3.499 3.20

A student who completes the minor but fails to meet the above Honors grade point requirement may still graduate with a minor in Honors Interdisciplinary Studies.



## **RECOGNITION OF UNDERGRADUATE ACADEMIC ACHIEVEMENTS**

**Presidential Scholars.** A grade point average of 4.00 on a minimum of twelve hours graded undergraduate credit with no "X" grades qualifies a student for the Presidential Scholars list. The grades of the previous semester only are used in calculating this average.

**Dean's List.** An average of B-plus (3.500) for the previous semester on a minimum of twelve hours graded undergraduate credit with no "X" grades qualifies a student for the semester's Dean's List.

**Top Graduation Honors.** A top graduating senior is chosen for spring, summer, and fall commencements. Students are judged on the basis of their cumulative grade point average and the quality of their honors paper. The grade point average computation includes the semester in which the student completes 103 hours of credit.

**Outstanding Students.** Five senior students are recognized at the Honors Convocation each spring. Nominations come from faculty, the student body, and the administration. These students are expected to be above average scholastically. They should have demonstrated exceptional leadership ability and rendered active service to the university through their activities. Final selections from nominations are made by the Honors Council.

**Sophomore and Junior Scholastic Awards.** One sophomore and one junior student are recognized at the Honors Convocation for outstanding scholastic achievement.

**College Achievement Awards.** Five students, one each from the five colleges, are named for intracollege service and achievement.

## **HONORS PROGRAM**

The University of Central Arkansas recognizes its responsibility to provide special opportunities for superior students. For this reason academic departments offer optional programs of enhanced accelerated education for gifted undergraduates.

## **DEPARTMENTAL HONORS PROGRAMS**

Upon completion of 72 hours (with twelve hours in the major), a student may be invited by the faculty of a department to enter its honors program. To be eligible for admission, a student must have a 3.000 grade point average overall and in the major. After taking the appropriate departmental honors course (or the equivalent), the student must submit written evidence of the research paper, project, performance, or presentation no later than the end of the third full week of the semester in which the student expects to graduate. The specific grade point requirements for the four "graduation with honors" categories are:

## **DEPARTMENTAL HONORS**

**CATEGORY MAJOR GPA OVERALL GPA**

Summa Cum Laude 3.500 4.000-3.850

Magna Cum Laude 3.500 3.849-3.700

Cum Laude 3.500 3.699-3.500

Distinction 3.400 3.499-3.250

Departments offering honors programs

Accounting Health Science Philosophy

Art History Physical Therapy

Biology Home Economics Physics & Astronomy

Chemistry Kinesiology/Physical Educ. Psychology & Counseling

Childhood Education Marketing & Management Special Education

Computer Science Mathematics Speech-Lang. Path.

Economics & Finance Music Speech, Theatre,

English Nursing Mass Com

Foreign Languages Occupational Therapy

Geography, Political Science, Sociology

**UNIVERSITY HONORS**

**CATEGORY OVERALL GPA**

Summa Cum Laude 4.000

Magna Cum Laude 3.999-3.950

Cum Laude 3.949-3.900

**HONORS COLLEGE**

In addition to departmental honors, the university has a University Honors College for outstanding students. A student chosen for this program fulfills certain general education requirements in specially designed classes that are interdisciplinary, limited in enrollment, and taught by outstanding faculty. The Honors Center provides a special place for these students to meet and share ideas. Students graduating from the Honors Program receive special recognition at graduation.

## **HONORS RESIDENCE HALL**

In addition to special instruction, there is a residence hall, Short Denney, for Honors College Students. Short Denney houses 80 residents in suite-style living arrangements. The atmosphere and proximity to the Honors Center in McAlister Hall reinforces the learning and friendships developed through the program. Application to Short Denney is through the Housing Department. Assignments are based on first come, first received housing deposits. Those students who have been accepted into the Honors College, at the time of housing assignments, will be placed in Short Denney dependent on space availability.

## **SCHOLASTIC SOCIETIES**

Students with intellectual and professional interests have founded honorary and scholastic societies, both general and specialized in purpose. Alpha Chi, Alpha Kappa Delta, Gamma Beta Phi, Phi Delta Kappa, Alpha Psi Omega, Phi Alpha Theta, Phi Sigma Tau, Tau Kappa Alpha, Kappa Rho, Delta Psi Kappa, Pi Omega Pi, Sigma Pi Sigma, Sigma Theta Tau, Beta Gamma Sigma, Pi Kappa Delta, and Eta Sigma Gamma are representative national organizations.

## **HOUSING**

The university's residence halls provide the student a place to live and to broaden educational experiences. Each student living in a residence hall is afforded many opportunities to participate in meaningful outside class experiences.

### **Freshman Residency Requirement**

Freshmen are required to live on campus their first academic year, until space is exhausted. International freshmen are required to reside on campus their first calendar year at UCA. Freshmen may petition the housing office to live off campus, if they meet one of the following criteria: (1) twenty-one years of age; (2) married; (3) currently enrolled in less than 12 semester hours of credit; (4) completed 21 hours of credit; (5) living with parents or legal guardian and commuting to campus; (6) living with grandparent, married brother, sister, aunt or uncle, and commuting to campus; (7) have lived in a residence hall at another campus for two or more semesters. International freshmen must receive prior approval from the Director of International Programs to move off campus. Freshmen may petition the Housing Exemption Committee to be released from the residency requirement.

### **Housing Reservations**

Rooms in university residence facilities should be reserved in advance. To make a reservation for a room in any of the residence halls an application contract and a deposit of \$100 must be sent to the Housing Office. This deposit will be fully refunded if the student does not intend to occupy campus housing, provided a written request is made by July 1. (December 1 for contracts beginning spring semester). Cancellation received between July 2 (December 2 for spring semester) and the date residence halls open will result in a 50 percent (\$50.00) refund of the deposit. Cancellation received after the residence halls open will result in forfeiture of the entire deposit. The housing deposit will be held by the university to assure compliance with the terms of the contract and will be refunded, less any damage assessed, provided the student officially checks out from a residence hall at the end of the academic year. If a student leaves the residence hall prior to the end of the academic year, the student will forfeit the \$100 deposit.

### **Residence Hall Regulations**

A person who rents a room in a residence hall agrees to comply with the existing rules and regulations governing student conduct. These rules and regulations may be changed at the discretion of university officials.

Specific rules and regulations about university housing and areas of student conduct are provided in the university Student Handbook. Copies of the handbook are available at the Dean of Students Office, 108 Bernard Hall.

# **INTERNATIONAL PROGRAMS**

## **INTENSIVE ENGLISH PROGRAM**

**Director:** Ms. Knipscheer, 450-3445

**Instructors:** Ms. Bowles, Ms. Deering, Ms. Phillips, Ms. Ramage, Ms. Vesole

### **PURPOSE**

The Intensive English Program (IEP) offers a series of language courses to non-native speakers of English at three different levels: low intermediate, high intermediate, and advanced. The multi-level, multi-skill program strives to enable students to function on a day-to-day basis in an English-speaking environment, prepare them to successfully complete academic work in regular university courses, and introduce them to American culture. TOEFL (Test of English as a Foreign Language) preparation skills are also emphasized, and the Institutional TOEFL is administered each semester.

The program provides training to:

1. International undergraduate or graduate students applying for admission to a U.S. college or university who must first improve their language skills.
2. International undergraduate or graduate students who have been admitted to UCA but require or desire further language preparation.
3. Community residents who wish to improve their language skills for personal or professional purposes.
4. International groups which require specialized language and cultural courses and activities.

### **GENERAL INFORMATION**

#### **Placement**

IEP students are tested and interviewed upon their arrival. These results determine proficiency level placement.

### **Eligibility for Concurrent University Courses**

Although a TOEFL score is not required for admission to the IEP, students who have earned a TOEFL score of 450-474 may be eligible to take one regular concurrent university course while taking IEP classes; students who have earned a TOEFL score of 475-499 may be eligible to take two additional regular concurrent university courses. IEP students must have an official TOEFL score on file, along with their other admission documents, before they will be considered eligible to take concurrent courses.

### **IEP Completion and Admission to an Undergraduate Degree Program**

IEP students who have met all class requirements receive a Certificate of Attendance at the end of each semester or summer session. Students who have earned a GPA of 3.5 or above receive a Certificate of Merit.

Undergraduate students who successfully complete the advanced level of the IEP with no individual course grade below a "B" are eligible to enroll directly in a UCA degree program the following term without submitting a TOEFL score, provided they meet all other admission requirements. No TOEFL score is necessary for these students.

Undergraduate IEP students who earn a minimum TOEFL score of 500 are also eligible to enroll directly in a UCA degree program the following term, provided they meet all other admission requirements.

### **Facilities and Services**

Offices and classrooms are located in International Programs on the first floor of Minton Hall and on the third floor of Torreyson Library. IEP students have access to the language, computer and writing laboratories, and all other UCA facilities and services.

### **Room and Board**

Incoming IEP students normally live on campus in the university residence halls and eat in the university cafeteria.

## **Application Process**

International applicants to the Intensive English Program must submit the following:

1. Application for admission.
2. Non-refundable application fee of U.S. \$30.00 drawn from a U.S. bank, or an international money order.
3. Verification of availability of funds or statement of support from applicant's or sponsor's financial institution.
4. If applicant is also applying to a UCA degree program, an original or certified copy of all secondary, college and university academic transcripts, including a certified English translation.
5. TOEFL score, if available.

Other applicants, including immigrants, permanent residents, citizens, and refugees must submit the following:

1. Application for admission
2. Non-refundable application fee of U.S. of \$30.00 drawn from a U.S. bank, or an international money order.
3. If applicant is also applying to a UCA degree program, an original or certified copies of all secondary, college and university transcripts, including certified English translations.
4. TOEFL score, if available.

Qualified candidates will receive a letter of admission to the Intensive English Program and, if





themes, reports, and research papers. Emphasizes vocabulary, complex sentence patterns, transitions, and organizational patterns. Introduces journal writing, letter writing and outlining. Meets 5 hours per week. 3 Levels. Prerequisite: Admission to Intensive English Program.



wishing to study abroad.

## **TORREYSON LIBRARY**

To meet its primary goal of providing resources and the service required for students and faculty, Torreyson Library makes available 517,932 printed volumes, 747,842 microforms, and a subscription list of approximately 2,600 periodical titles. An online Interlibrary Loan Service gives access to about 24 million items in more than 1000 libraries. Other online services give access to an additional 500 databases. The library subscribes to 18 CD ROM databases and to CARL's Uncover Service, which includes a fee based document delivery service to approximately 1700 periodicals.

Special collections in the library are: the UCA Archives and Special Collections, which contains manuscripts, books, photos, and other unique Arkansas subjects and individual works by Arkansas authors; and the Children's Literature Collection. It is also a United States Government Documents Depository.

There are twelve librarians on the Torreyson Library staff who hold graduate degrees from ten accredited library schools, and one archivist.

# UNIVERSITY OF CENTRAL ARKANSAS

## STATEMENT OF MISSION AND PURPOSE

The University of Central Arkansas (UCA), a state-wide comprehensive university, seeks to deliver the best undergraduate education in Arkansas as well as excellent graduate programs in selected disciplines. The university offers a variety of undergraduate and graduate programs in the liberal and fine arts, in the basic sciences, and in technical and professional fields in addition to its historical emphasis in the field of education. UCA strives to maintain the highest academic quality and to assure that its curriculum remains current and responsive to the needs of those it serves. The university's mission is expressed in its commitment to the personal, social, and intellectual growth of its students; its support for the advancement of knowledge; and its service to the community as a public institution.

The university implements its mission through its emphasis on certain central purposes:

- To deliver excellent curricula in general education, in degree programs at the undergraduate and graduate levels, and in continuing education.
- To support its programs with personnel of the highest quality and with optimal resources and facilities.
- To create a campus community that supports students in their personal, social, and intellectual growth.
- To enhance interaction and understanding among diverse groups and to cultivate global perspectives.
- To foster learning and the advancement of knowledge through research and other scholarly and creative activities.
- To serve the public in ways appropriate to the mission and resources of the university.

## **Arkansas Model United Nations**

The OIP also administers the Arkansas Model United Nations (AMUN). This program is designed to promote interest and understanding of the United Nations and its activities, to encourage a greater understanding of the nations of the world, and to encourage investigation of international affairs. The AMUN conference, staffed by university students and AMUN alumni, simulates the activities of the UN's bodies. Through role-playing, participants gain a greater understanding of global issues and the current state of their world.

## **ORIENTATION, ADVISING, AND REGISTRATION**

The academic year beginning in August is comprised of two semesters, two intersessions and a summer session.

The university assists students in adjusting to college life. An effort is made to promote self-respect, personal and school pride, and honor so that students may become responsibly self-directing, not only in campus and off-campus experiences, but in later experiences as individuals, professional persons, and citizens.

Several orientation programs are offered to assist freshmen and transfer students. A summer orientation program gives students and parents an opportunity to learn more about UCA, its services and programs, and to advance register for fall semester classes. Immediately prior to the beginning of the fall and the spring semesters, orientation sessions are offered

## ORIGINS

The University of Central Arkansas has served the state and the nation for over eight decades. Established 1907 by the General Assembly as the Arkansas State Normal School, the institution was charged with the responsibility of training teachers. The terms of the act establishing the school and the location in central Arkansas recognized the state-wide service the institution was expected to promote.

Instruction began in 1908 with 107 students, a faculty of eight, and a physical plant consisting of one partially completed building. Today, approximately 9,000 students attend classes taught by an instructional staff of 350. Thirty-eight major buildings, valued at \$120,000,000, occupy the 262-acre campus.

The autonomy of its Board of Trustees gives the institution freedom to expand and diversify academic programs to meet the growing needs of the state. The first diploma granted was the Licentiate of Instruction, followed in 1920 by the



the freedom and integrity of others. These qualities are deeply embedded in the university, having been developed for over eight decades. Finally, the university conducts its affairs among individuals and groups without discrimination regarding race, color, sex, religion, national origin, age disability, or other factions irrelevant to participation in the program.

# **CAMPUS SECURITY AND TRAFFIC REGULATIONS**

## **University Police Department**

The University Police Department is the jurisdictional police agency for the University of Central Arkansas. The department employs 18 full-time police officers, who are trained, certified, and have full police authority pursuant to ACA 25-17-305.

University police officers are specifically trained to provide a full range of public safety services to all members of the UCA community. It is the mission of each member of the University Police Department to consistently seek and find ways to affirmatively promote and preserve a feeling of safety within the UCA community, and to deliver quality services to the public in a professional and sensitive manner.

University police officers are charged with the enforcement of federal, state, and local laws and university regulations. The officers patrol the campus 24 hours daily and are also ready to fulfill a service role to the university community. The officers will help stranded motorists, provide information to visitors, and help recover lost or stolen property.

Persons needing assistance at any time may call the University Police Dispatch Center at 450-3111. Assistance can also be summoned by pushing the call button on any blue light emergency telephone located throughout the campus. The dispatcher, who instantly knows your location, will answer your call and will ask what type of assistance is needed.

The University Police Department is located on campus at the corner of Marion Ross Avenue and W.J. Sowder Street. The University Police Crime Prevention Office is located off the main lobby of State Hall. A variety of crime prevention, personal safety, and property protection information for student residents and commuters can be obtained by visiting this office.

## **Motor Vehicle Registration**

Students, faculty, and staff members are required to register any automobile operated on or about the campus. Automobile registration is part of the regular registration procedure, and an auto registration fee is charged. The automobile license number, make, model, and year must be provided. An identification decal is issued to each registrant.

Failure of a student to register a motor vehicle under the above requirements and/or failure to observe campus driving and parking regulations is subject to penalty or forfeiture of the privilege of operating a vehicle on campus. Temporary permits are available for vehicles that will be on campus for periods of one week or less. Motorcycles and motorbikes are not



## **RETENTION**

Undergraduate Students. In addition to the completion of prescribed courses, the student must meet established scholarship standards for continuation in the university.

A student will be placed on academic probation whenever the semester grade point average is less than 2.000. A student will be removed from academic probation whenever the semester grade point average equals or exceeds 2.000 and the cumulative grade point equals or exceeds 2.000.

A student on academic probation who does not achieve a 2.000 semester grade point average and does not meet the minimum cumulative average listed below will be academically suspended.

### Semester Hours Attempted Minimum Cumulative G.P.A

1 - 30 1.70

31 - 59 1.85

60 or More 2.00

The calculation of hours attempted will include grades A, B, C, D, F, and WF.

A first suspension will be for one calendar year.

A second suspension will be for two calendar years.

A third suspension will be academic dismissal, for an indefinite period of time.

### **All standards with respect to retention are binding and are not, therefore, subject to appeal.**

A student suspended from the university because of academic deficiencies should consult with a faculty advisor for suggestions of activities that may be pursued during the period of suspension in order to be more successful upon re-entry in the university. A student may also wish to consult with the Office of Career Counseling and Placement for special testing and evaluation. Credit earned while on suspension will not count toward a degree at the university.

**PUBLIC APPEARANCES COMMITTEE**

The Public Appearances Committee, in conjunction with the Student Government Association, brings a variety of

# Sexual Harassment Policy

Please see the current UCA [Sexual Harassment Policy](#).



# CONDUCT OF STUDENTS

## Standards of Student Conduct

**General Statement.** Students of the University of Central Arkansas are expected to obey the laws of the land, the state of Arkansas, regulations of the university, and conform to the accepted customs of civilized society in their conduct.

**Purpose/Goals.** The UCA student judicial system has three primary purposes or goals: to change or redirect student behavior, to protect the university environment, and to protect the rights of students involved in the disciplinary process.

More specifically, the university endeavors to change student behavior that is considered unacceptable in the university community. To meet this goal, the university makes extensive use of student judicial boards so students are judged and provided feedback by their peers, and educational sanctions so students are provided with alternatives to inappropriate behavior.

The university also has an obligation to protect the university environment against acts of violence, destruction, and vandalism; and to provide a quality living and learning environment that is safe, secure, and conducive to academic pursuits. Therefore, it may be necessary on occasion to remove students from the university community when the behavior is severe.

Finally, the university strives to protect the rights of students involved in the disciplinary process by providing specific due process procedures, including appeals, to ensure fair and just hearings.

**Delineation of Responsibilities.** The authority to establish and enforce regulations of the university is vested in the Board of Trustees. The responsibility to initiate, implement, and supervise the disciplinary process for students is delegated to the President who in turn has designated the Vice President for Student Services as the person to conduct the non-academic disciplinary proceedings of the university. The Vice President for Student Services and his staff shall be responsible to the President of the University for disposal of all cases.

**Interpretation of Standards of Student Conduct.** The University's Standards of Student Conduct are set forth in writing in order to give students general notice of non-academic prohibited conduct. The standards should be read broadly and are not designed to define non-academic misconduct in exhaustive terms.

**Inherent Authority.** The university reserves the right to take necessary and appropriate action to protect the safety and well-being of the campus community.



**Discipline Procedures.** Anyone wishing to report an alleged incident of non-academic misconduct may make such report

2. Present evidence by witness, or by affidavit or deposition if a witness is unable to attend the hearing. It is the responsibility of the accused student and the complainant to notify their witnesses of the date, time, and place of the hearing. If witnesses fail to appear, the hearing may be held in their absence.
3. Bring an advisor to the hearing. The advisor, however, may not participate in examination of witnesses or presentation of materials or information to the hearing officer/board, unless asked to do so by the hearing officer/board.
4. Question all witnesses.
5. Be informed of the disciplinary outcome.

**Appeals.** A student may appeal a recommendation made by the Student Judicial Board, Residence Hall Judicial Board, Greek Judicial Board, or Administrative Hearing Officer to the Vice President for Student Services. Appeals are assigned to the University Discipline Committee. The University Discipline Committee, upon review of the appeal, may decide to:

1. Deny the appeal;
2. Accept the appeal, and affirm the original decision and sanction;
3. Accept the appeal, affirm the original decision of guilt, but lessen the sanction;

sponsored or supported functions.

5. Destruction, damage, or theft of personal or University property, including incidents of arson, vandalism, larceny, burglary, breaking and entering, or robbery.

6. Possession, use, or distribution of narcotics, hallucinogens, barbiturates, or amphetamines and other controlled substances defined by Arkansas statutes, except as expressly permitted by law.

7. Possession, consumption, sale, manufacture, or furnishing of alcoholic beverages on university property or in its housing.

8. Unauthorized possession, storage, use of weapons, firearms, knives, and fireworks on university-controlled property or at university sponsored or supervised functions.

9. Gambling on university-controlled property.

10. Participation in hazing. Hazing shall be defined as any intentional action taken or situation created, whether on or off university property, to produce mental or physical discomfort, embarrassment, harassment, or ridicule. Such activities shall include (but not be limited to): paddling, beating, scavenger hunts, road trips, any activity resulting in fatigue, physical or psychological shock, wearing apparel which is uncomfortable to the individual or which is conspicuous and not normally in good taste, engaging in public stunts or buffoonery, morally degrading or humiliating games or activities, giving of food or drink which is distasteful or designed to provoke nausea, any form of verbal harassment, any action created subjugating an individual to a condition in which the person might tend to lose self-respect, suffer injury to personal dignity, or is required to compromise personal values, any activity which interferes with scholastic duties, threatening in any manner or form for the purpose of cajoling individuals into secrecy in regard to breaches (planned, threatened, attempted, or perpetuated) of the IFC or Panhellenic Hazing Code and/or Constitution.

11. Disorderly conduct, including violent, noisy, or drunken behavior and the use of abusive or obscene language on university controlled property or while representing the university or attending a university function.

12. Any interference with functions or activities of the university and the educational programs, including interferences as follows:

a. Unauthorized occupancy of university facilities and blocking accesses to or from such facilities; or

b. Infringements on the rights of students, faculty, staff, or other authorized personnel to gain access to any university facility for the purpose of attending class, participating in an interview, university conferences, or other university activities.

13. Any demonstration, assembly, or speech:

a. That is manifestly unreasonable in terms of time, place, or manner;

b. That incite to riot, destruction of property, and violation of law or university regulations;

c. That make use of defamation, public obscenity, or "fighting words"; or

d. That, due to noise and location, is imposed on semi-captive audiences or offensively upon unwilling third parties.

14. Any violation of university rules regarding the operation and/or parking of motor vehicles.

15. Violation of visitation or closing hour regulations.

16. Lewd and lascivious behavior, indecent exposure, and illicit sexual relations or perversions.

- Malfeasance or misuse of elective or appointive office in a student organization, which is injurious to the organization, its members, or the welfare of the university community.

18. Violation of state, federal or local laws or ordinances, or of any university rules, regulations, or policies as approved by the officers of the university.

19. Failure to comply with directions of university officials acting in the performance of their duties.
20. Failure of the student to respond to requests from university officials for conferences on matters pertaining to the person's status in the university, including, but not limited to, failure to respond to mail and telephone messages.
21. Knowingly violating the terms of any disciplinary sanction imposed in accordance with this policy.
22. Unauthorized presence on or use of university premises, facilities, or property.

conduct jeopardizes the safety of the student, other members of the university community, or institutional property. A hearing will be scheduled within 72 hours of the immediate suspension.

**6. Disciplinary Expulsion** - The student shall be separated from the university on a permanent basis.

**7. Additional Sanctions** - In addition to the previously stated actions, any of the following may be included as a part of any action taken:

- a. Reparation for damages;
- b. Loss of privileges;
- c. Restricted intervisitation;
- d. Denial of participation in social or extracurricular activities;
- e. Removal from elective or appointive office;
- f. Ineligibility for pledging, initiation, or representation of the university;
- g. Periodic interviews with a student affairs staff member for the purpose of counseling; and
- h. Work, self-improvement, or educational projects.

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

### **Group Offenses.**

1. Student societies, clubs, living groups, and other student organizations are responsible for conducting their affairs in a manner that reflects favorably upon themselves and the university. Such responsibilities include:

- a. Complying with all university regulations;
- b. Taking reasonable steps, as a group, to prevent violations of law or university regulations by members of a group; and,
- c. Being willing to deal individually with those members of the group whose behavior reflects unfavorably upon the group or upon the university.

2. Failure to accept the responsibilities of group membership may subject that organization to permanent or temporary suspension of charter, withdrawal of university recognition and/or support, social probation, denial of use of university facilities, or other appropriate actions. All university organizations are subjectp mayur oure toih3leclTreflectslaaslecity



3. The obligation to follow the tenets of common decency and acceptable behavior commensurate with the aspiration implied by a college education.

4. The obligation to respect the rights and property of others.

## **Honor Organizations - Academic and Leadership Honors**

Alpha Psi Omega Honors Center Society

Gamma Beta Phi National Broadcasting Society (AERho)

Kappa Delta Pi National Residence Hall Honorary (NRHH)

Kappa Psi Order of Omega

Phi Alpha Theta Pi Kappa Delta

Phi Upsilon Omicron Pi Chi

Pi Omega Pi Tau Beta Sigma

Sigma Pi Sigma

## **Departmental Organizations**

Accounting Club Alpha Epsilon Rho

Alpha Kappa Psi American Chemical Society

American Home Economics Association Biology Club

Beta Alpha Psi Computer Science Club

Le Cercle Francais Kinesiology & Physical Education

Financial Management Association Majors & Minors Club

English Club Marketing Club

La Sociedad Hispanica National Student Speech, Language &

Mathematics Club Hearing Association

Phi Alpha Delta Law Fraternity Phi Beta Lambda

Pre-Physical Therapy Club Psychology Club

Sigma Alpha Iota Society of Physics Students

Society for Human Resource Management Student Arkansas Education Association

Student Council for Exceptional Children Sociology Club

Student Occupational Therapy Association Student Nurses Association

Technology Club UCA Geography Club

UCA Marketing Club UCA Student IMA

UCA Painting Guild

## **Service and Special Interest Organizations**



Black Graduate Student Organization Blue/Gray Association  
College Republicans Ebony Models Repertoire  
Environmental Alliance The Friday Forum  
International Friends Lesbian & Gay Student Alliance  
National Pan-Hellenic Council Non-Traditional Student Organization  
Pan-hellenic Council Residence Hall Association (RHA)  
Residence Hall Councils Royal Rooters  
UCA Soccer Club Society for Human Resource Management  
Student Government Association Students for the Propagation of Black  
UCA Blue-Gray Association Culture (SPBC)  
UCA Dance Team

### **Religious Organizations**

Baptist Student Union Chi Alpha  
Church of Christ Student Union The Catholic Campus Ministry (CCM)  
Latter-Day Saints Student Association Methodist Student Union

Alpha Kappa Alpha Alpha Sigma Alpha Alpha Sigma Tau

Delta Sigma Theta Delta Zeta Sigma Gamma Rho

Sigma Kappa Sigma Sigma Sigma Zeta Phi Beta

## **FRATERNITIES**

Alpha Phi Alpha Kappa Sigma Omega Psi Phi

Phi Beta Sigma Phi Lambda Chi Pi Kappa Alpha

Sigma Nu Sigma Phi Epsilon Sigma Tau Gamma

## **PANHELLENIC**

The Panhellenic Council is a governing body composed of two delegates from each of the National Panhellenic Conference sororities on campus. Panhellenic coordinates sorority rush, meets weekly to determine major campus policies and programs and to administer the policies and programs of the National Panhellenic Conference.

## **INTERFRATERNITY COUNCIL (IFC)**

The Interfraternity Council contains representatives from each fraternity. The IFC meets monthly for discussion and action on topics relating to Panhellenic, including rush,

## **IANH-ELLENIC**

Panhellenic Councils composed of representatives of historically black Greek organizations

**STUDENT SERVICES**

The Division of Student Services functions as a partner with the faculty in planning co-curricular activities that augment

## **Student Government Association**

The University of Central Arkansas Student Government Association is a representative body composed of student government officers and representatives. The members are elected by the students to serve the student body and the university. The SGA nominates students to serve on several of the standing committees of the university. The SGA is in charge of all student elections and advises the university on student obligations and honors. A portion of the money derived from student fees supports the activities of the SGA.

**INTRAMURALS**

cafeteria, may be obtained from the university nurse on duty, or the Hall Director. The student's ID must accompany the meal slip.

## **STUDENT INSURANCE**

The University of Central Arkansas provides information on student medical and hospitalization insurance. Because

## **TRANSCRIPTS**

A university transcript is a complete and unabridged academic record, without deletions or omissions, prepared for the purpose of communicating information concerning a student. The university prepares and issues two categories of transcripts:

- a) Official - includes a statement of the student's status, the signature of an authorized official, and the legal seal of the university. An official transcript is sent directly from the university to an institution, agency, or individual upon receipt of a written request of the student. There is a nominal charge for an official transcript.
- b) Unofficial - presents a listing of courses for which the student enrolled. The academic achievement of the student is indicated in terms of a grade for each course. An unofficial transcript is issued on request to students for their personal use. It does not include an authorized signature or the official seal of the university.

One official transcript of a student's record is furnished without charge upon receipt of a written request. A graduate receives two official transcripts free of charge with the diploma. There is a nominal charge for each additional copy.

## **TRANSFER OF CREDIT**

Only credits with A, B, and C grades are transferable. Students entering the university who have attended a college or university fully accredited by such agencies as the North Central Association of Colleges and Schools will receive credit on an evaluation of a transcript of their records submitted. The bases of an official university will be evaluated for possible general elective credit. Transfer credit is designated by the level by which it is earned.

Anyone transferring to the university will be required to earn at least fifteen hours credit in the major and nine hours credit in the minor in residence prior to graduation. This regulation is binding even though the student has sufficient hours of credit otherwise to meet requirements of the major and minor. All standards with respect to transfer credit are binding and are not, therefore, subject to appeal.

There is no limit on the number of credit hours that may be transferred to the university, however, a maximum of sixty semester hours (exclusive of four activity hours in physical education) transferred from a two-year institution may be applicable towards a baccalaureate degree. The equivalent of two full years' work (sixty semester hours) or the senior college level will be required for a baccalaureate degree.

The university publishes "Transfer Credit Guidelines," which specifies UCA course equivalents for courses taught at each of the Arkansas public community and technical colleges.

## **ASSOCIATE OF ARTS DEGREE ARTICULATION AGREEMENT**

The University of Central Arkansas participates in an agreement with two-year institutions of higher education in Arkansas to assist students holding an Associate of Arts degree.

Satisfactory completion of an Associate of Arts degree designed for transfer will be accepted as satisfying the general education requirements of UCA. A Student who holds an Associate of Arts degree with a 2.0 cumulative grade point average will be accepted for transfer with junior classification subject to the following conditions:

1. The Associate of Arts degree must include the following courses:

a. English Composition 6 semester hours

b. Arts and Humanities

(including 3 semester hours survey of literature) 9 semester hours

c. Speech 3 semester hours

d. College Algebra (or above) 3 semester hours

e. Natural Science (Lab/Bio/Phys Sci) 8 semester hours

f. Social Sciences<sup>1</sup> 15 semester hours

(including 3 semester hours in US History or Government and 3 semester hours in Western Civilization)

g. Health/Physical Education 2 semester hours

Total 46 semester hours



2. Remedial course grades will not be computed in the cumulative grade point average for purposes of admission to a four-year institution.
3. Courses taken to satisfy AA degree requirements must have a "C" or better in order to transfer to a four-year institution.
4. Degree and program requirements (catalog rights) for students who transfer from a two-year institution to a four-year institution under this agreement will be determined in the same manner as if their initial enrollment had been at the four-year institution; and
5. Participating institutions will provide all other participating colleges and universities with current copies of catalogs/curricular requirements as they are published.
6. Calculation of overall GPA for purposes of graduation and awarding of hours is left to the discretion of the institution granting the degree or award.

<sup>1</sup>Social Science electives must include at least three semester hours in two of the following areas: Psychology, Sociology, Economics, Geography, Political Science or Anthropology.

### **State Minimum Core Curriculum**

In accordance with Act 98 of 1989, the Board of Education must include a list of courses that must be included in the core curriculum.

Biology 1410 (Molecular and Cellular Principles of Biology) 4

Chemistry 1400 (Chemistry for General Education) 4

Physics 1400 (Physical Science for General Education) 4

**OR**

Students may substitute for Biology 1400 or Biology 1410:

8 hours of Biology 8

**and/or**

Substitute for Physics 1400 **or** Chemistry 1400:

8 hours of Chemistry and/or Physics. 8

**Fine Arts/Humanities 6**

Art 2300 (Art Appreciation) 3

Music 2330 (Music Appreciation) 3

Philosophy 1301 (Philosophy for Living) 3

Philosophy 1310 (Effective Thinking) 3

Philosophy 1320 (World Religions) 3

Philosophy 2325 (Contemporary Moral Problems) 3

English 2305\* (World Literature I) **or**

English 2306\* (World Literature II) 3

English 2370 (Introduction to Fiction) 3

English 2380 (Introduction to Poetry) 3

English 2390 (Introduction to Drama) 3

Foreign Language 2315 (Cultural Traditions) 3

**Social Science 9**

History 1310\* (World History I) **or** 3

History 1320\* (World History II) 3

Economics 1310 (Modern Political Economy) 3

Economics 2320 (Principles of Economics I) 3

Geography 1305 (Principles of Geography) 3

Political Science 1330\* (US Government and Politics) 3

Political Science 2300 (International Relations) 3

Psychology 1300 (General Psychology) 3

Sociology 1300 (Principles of Sociology) 3

Sociology 1302 (Anthropology) 3

**Total Transferable Core 35**

# **DIVISION OF UNDERGRADUATE STUDIES**

**Professor and Dean:** Dr. Sally A. Roden, 450-3125

## **COMPONENTS**

The Division of Undergraduate Studies is designed to assist students to develop and strengthen competencies important for achieving academic success in the university's rigorous academic programs. The Division of Undergraduate Studies provides services in the following areas:

The computer tutorials aid students in a wide variety of academic disciplines, including basic reading and writing, intermediate algebra, and other foundational studies. Additionally, peer tutoring and faculty assistance reinforce the course material in a number of content areas as students learn to strengthen their study skills and test taking strategies.

## **TRANSITIONAL COURSES**

Arkansas law requires that all students enrolling in state supported colleges and universities demonstrate mastery of basic skills in reading, writing, and mathematics. Students who are admitted but who score below unconditional admission levels on the various components of the ACT, SAT, or ASSET test will be required to enroll in transitional courses their first semester and in each subsequent semester until the transitional courses are successfully completed. Students who are required to take more than one transitional course may enroll in additional courses for a maximum load of 14 credit hours. (These courses must be designated by the office of the Dean of Undergraduate Studies, as appropriate.) A student may not withdraw from a transitional course unless the student withdraws from the university.

## **COURSES**

**1100 UNIVERSITY STUDIES** Assists freshman students in identifying and using university resources to achieve educational and career goals. Required for all entering freshmen enrolled in a transitional course. Elective for unconditionally admitted entering freshmen and transfer students.

**1300 TRANSITIONAL WRITING** An introduction to the skills needed in college-level writing. Required of entering students with an English ACT below 19. By state law, this course does not provide credit toward a degree. Fall, spring.

**1301 TRANSITIONAL READING** An introduction to the strategies needed in college-level reading. Required of entering students with a composite ACT below 19. By state law, this course does not provide credit toward a degree. Fall, spring.

**1340 INTERMEDIATE ALGEBRA** Fundamental process; linear equations, factoring fractions, roots, exponents, and radicals; systems of linear equations; and graphs. Required of entering students with a composite ACT below 19. By state law, this course does not provide credit toward a degree. Fall, spring.

## **ROSTER**

### **BOARD OF TRUSTEES**

Mr. Joe M. White, Conway Term expires 1998

Mr. Rush Harding III, Little Rock Term expires 1999

Mr. Madison P. Aydelott III, Searcy Term expires 2000

Dr. Harold H. Chakales, Chair, Little Rock Term expires 2001

Mrs. Elaine Goode, Vice Chair, Conway Term expires 2002

Mr. Rickey Hicks, Secretary, Little Rock Term expires 2003

Mr. Dalda F. Womack, Star City Term expires 2004

### **PRESIDENTS OF THE UNIVERSITY OF CENTRAL ARKANSAS**

J. J. Doyne 1908-1917

B. W. Torreyson 1917-1930

H. L. McAlister 1930-1941

Nolen M. Irby 1941-1953

Silas D. Snow 1953-1975

Jefferson D. Farris, Jr. 1975-1986

Winfred L. Thompson 1988-

### **OFFICE OF THE PRESIDENT**

Winfred L. Thompson, Ph.D. President

Dr. James S. Dombek Executive Assistant to the President

Jack Gillean, J.D. Director of Governmental Relations

William Stephens, M.S.E. Athletic Director

Roger Lewis, Ph.D Director of Institutional Research

Pamela D. Jolly, M.B.A. Director, Internal Audits

*[position vacant]* Director, International Programs

*[position vacant]* University Counsel

## **PROVOST**

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Sam Buchanan, Ph.D. Associate Provost

Joe Horton, Ph.D. Dean, College of Business Administration

Fred Litton, Ph.D. Interim Dean, College of Education

Robert Everding, Ph.D. Dean, College of Fine Arts and Communication

Gary Stark, Ph.D. Dean, College of Liberal Arts

Neil Hattlestad, Ed.D. Dean, College of Health and Applied Sciences

John Mosbo, Ph.D. Dean, College of Natural Sciences and Mathematics

Elaine McNiece, Ed.D. Dean of the Graduate School

Sally Roden, Ed.D. Dean of Undergraduate Studies

Linda Beene, Ph.D Director, Continuing Education

Don Jones, Ph.D Director, Exemplary Studies

Norbert O. Schedler, Ph.D. Director, Honors College

Debora Walz, Ed.D. Director, Sponsored Programs

Anthony Sitz, M.A. Registrar

## **ADMINISTRATIVE SERVICES**

John Smith, Ph.D. Vice President for Administrative Services

Earl McGehee, Jr., Ph. D. Professor, Director of Computer Services

Willie Hardin, Ed.D. Dean, Torreyson Library

Stewart Snider Bookstore Manager

Dave Parker Director of Audio Visual Services

Tom Pilgreen Director of Housing

Jerrel Fielder Director of Physical Plant

John Cagle Director of Student Center

Larry K. James University Police

## **FINANCIAL SERVICES**

Robert E. McCormack Vice President for Financial Services

Barbara A. Goswick, C.P.A. Assistant Vice President, Financial Services

Steve Wood Assistant Vice President, Human Resources

Mary Kay Dunaway Accounting Supervisor

Margaret Wallace Budget Specialist

Sherry Byrd Director of Financial Aid

Paul Totten Purchasing Official

Rick McCollum Director of Student Accounts

Valerie Nicholson Financial Administrator - Grants & Contracts

## **INSTITUTIONAL ADVANCEMENT**

Joe Hatcher Vice President for Institutional Advancement

Carolyn Floyd, M.L.A.

Joe F. Darling, M.S.E. Director of Admissions

Mathilda Hatfield, M.S.E. Director of Alumni Services

Woody Cummins, J.D. Director of Development



Penny Eberhard, M.A. Director of Public Appearances

James W. Schneider, B.S.E. Director of Public Information

Ellen Ishee, M.A.E. Director of Publications

## **STUDENT SERVICES**

Ronnie Williams, M.A. Vice President for Student Services

Gary Roberts, Ed.D. Dean of Students

William Yates, M.S. Director of Career Planning and Placement

Nelda New, M.N.S. & R.N.P. Nurse Director of University Health Services