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UCA UNDERGRADUATE BULLETIN: FRONT MATTER

Browse the document or jump directly to one of the listed sections.

- Accreditation
- Bulletin Provisions
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ACCREDITATION

The university is accredited by the North Central Association of Colleges and 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. The baccalaureate program in occupational therapy is accredited by the Accreditation Council for Occupational Therapy Education. The master's degree program in speech-language pathology is accredited by the Council on Academic Accreditation in Speech-Language Pathology and Audiology. The associate and entry-level master's degree programs in physical therapy are accredited by the Commission on

Accreditation in Physical Therapy Education. The graduate dietetic internship program has been granted developmental accreditation status by the Commission on Accreditation for Dietetic Education. The University of Central Arkansas is an accredited institutional member of the National Association of Schools of Art and Design. The music program is accredited by the National Association of Schools of Music. The theatre program is accredited by the National Association of Schools of Theatre. The master's degree program in School Psychology is accredited by the National Association of School Psychology. Accreditation documentation is available in the President's Office. Students successfully completing a specified course of study in chemistry will be certified by the American Chemical Society.

BULLETIN PROVISIONS

The provisions of this bulletin are not an irrevocable contract between the student and the university. The university reserves the right to change provisions or requirements. Students are expected to meet the requirements of the bulletin in effect at the time of initial enrollment. Students may opt for a subsequent bulletin, but must meet all of the requirements specified by that bulletin. After initial enrollment, a student who does not re-enroll during any 12-month period must complete the requirements of the bulletin in effect at the time of re-enrollment.

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
(501) 450-5000

UNIVERSITY OF CENTRAL ARKANSAS UNDERGRADUATE BULLETIN, 1998-2000
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INFORMATION DIRECTORY

UCA Main Telephone #: (501) 450-5000
(When calling on-campus dial 4 + the last 4 digits of the number.)

Academic Technologies and Educational Leadership . . . 450-3177
Accounting . . . 450-3108
Admission/Graduate . . . 450-3124
Admission/Undergraduate . . . 450-3128
Advisor/Assignment . . . 450-5149
Art . . . 450-3113
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Biology . . . 450-3146
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ORIGINS AND MISSION OF THE UNIVERSITY

UCA Undergraduate Bulletin, 1998–2000

Browse the document or jump directly to one of the listed sections.

- Origins
- Statement of Mission and Purposes

ORIGINS

The University of Central Arkansas (UCA) has served the state and the nation for over nine decades. Established in 1907 by the General Assembly as the Arkansas State Normal School, the institution was charged with the responsibly of training teachers. Instruction began in 1908 with 107 students, a faculty of eight, and a physical plant consisting of one partially completed building. The first diploma granted was the Licentiate of Instruction, followed in 1920 by the establishment of curricula leading to a baccalaureate degree. The terms of the act establishing the school and its location in central Arkansas recognized the state-wide service the institution was expected to promote. The autonomy of its Board of Trustees also gave the institution freedom to expand and diversify academic programs to meet the growing needs of the state. Thus, in 1925, the college was renamed to Arkansas State Teachers College and the university added and broadened liberal arts programs and increased specialized offerings and degrees. In 1955, the college inaugurated its first graduate program. In 1967, the college was renamed to State College of Arkansas to reflect the institution's varied and comprehensive curricula, and, in 1969, the institution established four colleges to provide administration for the growing number academic

programs. The institution became the University of Central Arkansas in 1975 to reflect its status as a modern comprehensive university. Since 1975, the university has added two additional academic colleges, an honors college, and several new undergraduate and graduate degrees. Today, approximately 9,000 students attend classes taught by a faculty of 350, and thirty-eight major buildings, valued at $120 million, occupy the 262-acre campus.

The university seeks to preserve the informality and friendliness of a small school. Its programs and traditions guard against impersonal or disrespectful treatment of students. UCA is a community of several thousand very different individuals about whom generalization is difficult. Yet there does prevail a common devotion to learning, to the creative as well as the critical capacity, to intellectual freedom tempered with responsibility, to personal integrity, and to respect for the freedom and integrity of others. These qualities are deeply embedded in the university, having been developed for over nine decades. Finally, the university conducts its affairs among individuals and groups without discrimination regarding race, color, sex, religion, national origin, age, disability, or other factors irrelevant to participation in any program.

STATEMENT OF MISSION AND PURPOSES

The University of Central Arkansas, 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.

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ACADEMIC PROGRAM AND ORGANIZATION

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- College of Education
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Business - AS
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Economics - BS, BBA
Finance - BBA
Information Systems - BBA
International Trade - BA, BBA
Management - BBA
Marketing - BBA

COLLEGE OF EDUCATION

Business &Marketing Education - BSE, MSE
Community Service Counseling - MS
Counseling Psychology - MS
Educational Leadership - EdS
Elementary - Early Childhood Educ. - BSE, MSE
Elementary Education - BSE, MSE
Elementary Gifted Education - MSE
Elementary School Leadership - MSE
Elementary School Counseling - MS
Elementary Special Education - BSE
Library Media and Information Technologies - MS
Professional Education Studies for MSE in Spanish
Psychology - BA, BS
Reading
School Psychology - MS
Secondary School Leadership - MSE
Secondary School Counseling - MS
Special Education - BSE, MSE
    Early Childhood Special Education
    Mildly Handicapped
    Moderately/Profoundly Handicapped
    Severely Emotionally Disturbed

COLLEGE OF FINE ARTS AND COMMUNICATION

Art - BA, BFA
Journalism - BSE
Mass Communication - BA, BS
Music - BM, MM
Speech and Theatre - BA, BS, BSE
Writing Program

COLLEGE OF HEALTH AND APPLIED SCIENCES

Family and Consumer Sciences - AAS, BS, BSE, MS
Health Education - BS, BSE, MS

Health Science - BS
Interior Design - BS
Kinesiology &Physical Educ. - BS, BSE, MS
Medical Technology - BS
Nuclear Medicine Technology - BS
Nursing - BSN, MSN
Nutrition/Dietetics - BS, MS
Occupational Therapy - BS, MS
Physical Therapy - AAS, MS
Radiography - BS
Respiratory Therapy - BS
Speech-Language Pathology - BS, MS

COLLEGE OF LIBERAL ARTS

Asian Studies (Minor)
English - BA, BSE, MA
French - BA
Geographic Information Science (Minor)
Geography - BA, BS
German (Minor)
History - BA, BS, MA
Latin American Studies (Minor)
Philosophy - BA, BS
Political Science - BA, BS
Public Administration - BS
Religious Studies - BA
Social Studies - BSE
Sociology - BA, BS
Southern and Arkansas Studies (Minor)
Spanish - BA, MSE

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Biology - BS, MS
Chemistry - BS
Computer Sciences - BS

General Science - BS
Math - BA, BS, BSE, MA
Physical Science - BS
Physics - BS

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General Studies - AA

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Pre-Dentistry
Pre-Dental Hygiene
Pre-Engineering
Pre-Law
Pre-Medicine
Pre-Optometry
Pre-Pharmacy
Pre-Veterinary

HONORS AT UCA

Departmental honors are available in most majors.

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

TORREYSON LIBRARY

To meet its primary goal of providing resources and services for students and faculty, Torreyson Library makes available 634,231 printed volumes, 814,842 microforms, and a subscription list of approximately 2,600 periodical titles. An on-line interlibrary loan service gives access to about 24 million items in more than 1000 libraries. Other on-line services give access to an additional 500 databases. The library subscribes to 11 CD ROM databases and to CARL's Uncover Service, which includes a fee-

based document delivery service to approximately 1700 periodicals.

The UCA Archives and Special Collections contains manuscripts, books, photos, and individual works by Arkansas authors. The library also houses the children's literature collection and serves as a United States Government Documents Depository.

There are twelve librarians on the Torreyson Library staff who hold graduate degrees from ten accredited library schools.

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COLLEGE OF BUSINESS ADMINISTRATION

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Go to one of the departments in the College of Business Administration.

- Accounting
- Economics and Finance
- Marketing, Management, and Information Systems

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- Office of Information Technology
- Co-op Internships

DEANS

Dean and Professor: Dr. Joseph Horton, 450-3106
Assistant Dean and Associate Professor: Dr. Ira Saltz, 450-3411

MISSION AND VISION

The mission of the college is to provide high quality education for aspiring business leaders and to serve the business community. The vision of the college is to be recognized as the premier undergraduate business program in the state of Arkansas and as the provider of a distinctive, high quality MBA program.

- The college's primary activity is offering high quality undergraduate education. It provides a distinctive, high quality MBA program as a service to the business community and in furtherance of the university mission of offering graduate education in selected areas of particular strength.
- The college especially values applied research and instructional development which provide support for the scholarship of teaching and enhance the professional development of faculty and staff.
- The college encourages continuous improvement and innovation in curriculum, teaching and intellectual contributions.
- The college provides professional service to the university and community to support its teaching and intellectual contribution objectives.
- The college provides educational opportunities to international students to further its commitment to globalization and support for the university's objectives in international education.
- The college prepares its students for careers and leadership in a global, knowledge-based economy.

LIMITATION ON BUSINESS COURSES TAKEN BY NON-MAJORS

Students majoring outside of the College of Business Administration may not take more than 30 hours of business courses.

PREREQUISITES POLICY

Credit is not granted toward a degree for any business course taken without the prerequisites required by the College of Business Administration. Students who enroll for courses for which they do not have the prerequisites will be administratively dropped from these courses.

ADMINISTRATIVE STRUCTURE

The College of Business Administration consists of the following administrative units:

Department of Accounting
Department of Economics and Finance
Department of Marketing, Management, and Information Systems
Small Business Advancement National Center
Office of Information Technology
MBA Program

CURRICULA

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

Associate of Science in Business

Bachelor of Business Administration

Majors:

Accounting
Business Administration
Economics
Finance
Information Systems
International Trade
Management

Marketing

Minors:

Accounting
Business Administration
Economics
Information Systems
Management
Marketing

Bachelor of Science

Major: Economics

Bachelor of Arts

Major: International Trade

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, major, and electives.

General education. Complete 47 hours of general education courses. (See the university general education requirements.) Within the social science courses, it is recommended that business students 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. Business students are

required to complete Modern Political Economy (ECON 1310) as part of their general education requirements.

Business foundation. Complete 21 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 1343, ECON 2320, 2321, 2330, ACCT 2310, 2311.

Business core. Complete 30 hours of upper-division (3000-4000 level) courses to provide the student with functional business skills.

ACCT 3311* or 3314
ACCT 3321
ECON 3320
FINA 3330
INFO 3321 or ACCT 3320**
INFO 3361
MGMT 3340
MGMT 3350
MGMT 3344 or ACCT 4315**
MKTG 4347

*Required for Accounting and Finance majors.
**Required for Accounting majors.

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

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

Electives. Complete 11 hours of electives, at least 4 hours of which must be outside the College of Business Administration.

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: minors and second majors, assessment tests, and grade requirements.

Minors and second majors. No minor is required to earn the BBA. By completing 15 additional hours of business electives in a single business major beyond the minimum 124-hour requirements and prior to earning the first degree, students can complete a second business major.

For additional information about majors and minors in accounting, business administration, economics, information systems, management, and marketing, see the departmental listings and requirements.

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.

Grades. Candidates for the BBA 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 courses used in the foundation and core areas; and
3. a 2.0 average in all major courses taken as determined by the department.

REQUIREMENTS FOR THE ASSOCIATE OF SCIENCE IN BUSINESS

A student must complete 63 hours from among the general education, general business, and business electives, as described below. At least 24 of the last 30 hours of the degree must be earned in residence at UCA.

General education. Complete 21 hours, to include: American History (HIST 2301 or 2302), or US Government (PSCI 1330); WRTG 1310 and 1320, MATH 1360 or above; KPED 1320 or H ED 1320; and 6 hours of other general education courses not specified above.

Required business courses. Complete 30 hours of courses in economics, accounting, statistics, and personal computing to prepare the student to better understand the principal functional areas of business and to develop basic computer skills: MATH 1393; INFO 1343, 3361; ECON 1310, 2320, 2321, 2330; ACCT 2310, 2311, 3321.

Business electives. Complete 4 courses or 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 classes used as "required business courses"; 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 an undergraduate business degree is not an admission requirement for graduate business study, the UCA MBA is especially designed for students who have earned an undergraduate degree in business administration. A major is not designated under the MBA program.

SMALL BUSINESS AND ENTREPRENEURSHIP

The College of Business Administration houses the Small Business

Advancement National Center (SBANC) which is devoted to teaching, research, and service in the areas of small business and entrepreneurship. Academic and continuing education courses are provided for students, government agencies, foundations, and the business community. The SBANC houses the Small Business Advancement Electronic Resource which is both nationally and internationally acclaimed for its information and research dealing with small business and entrepreneurship. The center has links with hundreds of universities and serves as an information and research point for many government agencies around the globe.

SBANC's purpose is to provide the following with the necessary resources to further their business and economic efforts and goals: (1) small businesses, (2) government agencies, (3) economic development officers, (4) entrepreneurs, (5) educators, and (6) small business counselors. The focus of the center's activities is the promotion and furtherance of small business and entrepreneurship. This is accomplished through consulting, educating, and training center constituents. These activities are provided locally, statewide, nationally, and internationally for those interested in small business and entrepreneurship using the following methods: (1) electronic linkages, (2) distance learning, (3) seminars, (4) camps, (5) conferences, (6) newsletters, (7) counseling sessions, and (8) research.

The center also provides an international exchange program for student, faculty and small business exchanges. Small business and entrepreneurship exchanges have taken place with the University of Luton (England), Buckinghamshire Chilterns University College (England), University of Teesside (England), Ecole Superieure de Commerce de St. Etienne (France), The Haagse Hogeschool (Netherlands), Universidade Do Minho (Portugal), Mikkeli Polytechnic (Finland), and Fachhochschule Bielefeld (Germany).

OFFICE OF INFORMATION TECHNOLOGY

The Office of Information Technology provides support for the instructional, research, and technological needs of the faculty, staff, and students in the College of Business Administration. The office maintains

three networked computer labs for instructional and student use and a fourth lab that houses a telecommunications lab and an AS/400 mid-range computer.

Visit the CBA website at http://www.business.uca.edu to view a listing of other services and facilities that are available in the college.

CO-OP INTERNSHIPS

The College of Business Administration participates in the university's co-op program. Students enrolling for co-op credit can receive academic credit and gain valuable work skills and experience. Co-op internships often provide students with the skills, experience and knowledge that give them an advantage in the job market. Many co-op students return to their co-op employer for a full-time career-track job. Internships can be full-time or part-time. For further information, contact the university co-op office (107 Bernard Hall). The co-op office can help students find an employer or students may arrange an internship with their present employer. To receive academic credit for co-op, students will need the approval of their employer, a faculty advisor, department chair, the college co-op coordinator and the university co-op office. The employer must detail the duties that the student will perform and these duties must relate to the student's field of study. The faculty advisor and student will agree on an appropriate writing assignment that relates the student's internship with their academic course of study.

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ACCOUNTING

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Objectives
- Baccalaureate Degrees
- CPA Exam Preparation
- Courses in Accounting

FACULTY

Chair and Associate Professor: Dr. Oxner, CPA, 450-3108
Professors: Dr. Humphrey, CPA; Dr. Moore, CPA, CMA
Associate Professors: Dr. Carter, CPA, CMA, CFM; Dr. Spikes, CPA; Dr. Whitehead, LLM
Assistant Professors: Dr. Jensen, CPA; Ms. Pritchard, CPA; Ms. Smith, CMA

OBJECTIVES

The objective of the curriculum is to provide students with a foundation such that they will be prepared to become life-long learners who can evolve professionally in a dynamic business environment. Accounting graduates will be prepared for entry-level positions in public accounting, private industry, and not-for-profit organizations as well as entry into graduate programs in accounting, business administration, or law.

Seniors, with the consent of the department chair and their advisor, having an acceptable grade point average, may participate in the honors program in accounting. The student will be required to complete ACCT 4390, Special Problems in Accounting, which consists of a research paper based on individual study under the direction of a member of the accounting faculty. Successful completion of this program will allow the student to graduate with honors in accounting.

BACCALAUREATE DEGREES

Bachelor of Business Administration

The degree of Bachelor of Business Administration with a major in accounting requires successful completion of 124 hours including (1) the general education courses; (2) the BBA business foundation requirements; (3) the BBA core requirements (within the core, the accounting major must take ACCT 3311, 3320, and 4315); (4) 11 hours of electives, at least 4 hours of which must be outside the College of Business Administration; (5) 15 hours of accounting courses including ACCT 3312, 3315, 3316, 4317, and one course from the following three offerings: ACCT 4304, 4312, or 4316.

A 2.0 GPA is required overall, in the business foundation/core, and in the following major courses: ACCT 3311, ACCT 3312, ACCT 3315, ACCT 3316, ACCT 3320, ACCT 4315, ACCT 4317 and accounting electives as determined by department chair.

Minor in Accounting

The minor in accounting requires 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, 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. 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. This course is not to be taken by accounting majors. Degree credit is not given for both ACCT 3314 and ACCT 3315. Prerequisite: ACCT 2311. 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 **INDIVIDUAL TAXATION** Fundamentals of taxation with major emphasis on those provisions having application to individual taxpayers. Prerequisite: ACCT 2311. Fall, spring.

3320 **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. Practice in processing accounting information in a hands-on microcomputer lab environment. Prerequisite: ACCT 3311. 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: junior standing. 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. Prerequisite: ACCT 3321. 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. Prerequisite: ACCT 2311. Fall, spring.

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

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, spring.

4316 **ADVANCED INCOME TAX** Advanced tax issues with emphasis 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 and ACCT 3320. Fall, summer.

4325 **LEGAL ENVIRONMENT OF HEALTH CARE ADMINISTRATION** A survey of legal problems confronted by health care professionals and how to recognize and deal with these problems. Prerequisite: senior standing. On demand.

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

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GENERAL EDUCATION

GENERAL EDUCATION

PURPOSES

The purpose of the general education program at UCA is

- to enable students to have or to know where to get the information they need to make informed decisions and hold responsible opinions about their lives and the relationship of their lives to the world in which they live;
- to help students develop intellectual skills, practical skills, and emotional and aesthetic sensitivities--that is, to prepare them to think, to feel, and to act competently in a complex, diverse, and constantly changing world; and
- to help students understand the values inherent in their culture and to be aware of other cultural traditions, values, and beliefs.

In fulfilling these general purposes, the program seeks to prepare students to be lifelong learners with the intellectual and emotional skills--the adaptability--to tackle the great changes they will undoubtedly experience during their adult lives; and to recognize the connectedness of human life and develop a sense of how humanity's diverse pursuits relate to one another.

OBJECTIVES

KNOWLEDGE: Upon completion of the general education program, students will have an introductory understanding of certain fundamental areas of human knowledge and life; they will have been introduced to a

diversity of disciplines and encouraged to develop a sense of how humanity's diverse pursuits relate to one another. The general education distribution, as a whole, should introduce students (1) to the central interests of the disciplines, (2) to the ways disciplines talk and write about their interests (i.e., to their basic terminologies and methods of discourse), (3) to the ways disciplines investigate and explore their interests (i.e., to their ways of discovering and knowing), and (4) to the ways disciplines construct arguments.

SKILLS: Upon completion of the general education program, students will have basic skills in the following areas:

- **Oral Communication:** Students will have the basic skills of speaking necessary to advance to more complex communication tasks in their majors and careers.
- **Written Communication:** Students will have the basic skills of writing necessary to advance to more complex communication tasks in their majors and careers.
- **Thinking:** Students will have the basic skills of thinking necessary to advance to more complex reasoning tasks in their majors and careers. They will be able to develop arguments, identify assumptions, and understand implications.
- **Research:** Students will engage in disciplinary techniques of discovery and be able to identify and use appropriate sources of information.
- **Mathematics:** Students will have achieved basic mathematical competence.
- **Technology:** Students will have the basic technological skills they need to find, access, manage, and communicate information.

ATTITUDES/VALUES: Upon completion of the general education program, students will have had the opportunity and encouragement to develop thoughtful perspectives. They will have been exposed to and encouraged to explore both the cultural diversity that defines many human differences and the connections that suggest common human concerns. They will also have been encouraged to explore value-systems and to recognize the roles value-systems play in human life and in the

disciplines.

GENERAL EDUCATION COURSE OF STUDY

Composition

6 hours minimum required. Please note that a student must enroll in WRTG 1310 and 1320 during the first two semesters that a student is eligible to enroll in college writing courses, unless the requirement has been previously met.

WRTG 1310 - Introduction to College Writing
WRTG 1320 - Academic Writing

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/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.

ENGL 2370 - Introduction to Fiction
ENGL 2380 - Introduction to Poetry
ENGL 2390 - Introduction to Drama
FLAN 2315 - Cultural Studies
FYFS 1301 - First Year Seminar: Studies in Humanities
PHIL 1301 - Philosophy for Living
PHIL 1310 - Effective Thinking
PHIL 2325 - Gender, Race, and Class: Philosophical Issues
PHIL 2360 - Contemporary Gender Issues

Mathematics

3 hours minimum required. Please note that students with an ACT score of 19 or less are encouraged to enroll in their college-level mathematics course in the semester immediately following the completion of Intermediate Algebra.

MATH 1360 - Math for General Education
MATH 1390 - College Algebra *or*
A Higher Level Math

Oral Communication

3 hours minimum required.

SPTA 1300 - Basic Oral Communication

Sciences

8 hours minimum required. Both courses must include a laboratory.

4 hours minimum required:
BIOL 1400 - General Biology
or, if required by the student's program of study,
BIOL 1440 - Principles of Biology I

and

4 hours minimum required:
CHEM 1400 - Chemistry in Society
PHYS 1400 - Physical Science for General Education or above
PHYS 1401 - Descriptive Astronomy
or, if required by the student's program of study,
CHEM 1450 - College Chemistry I
CHEM 1451 - College Chemistry II
CHEM 1402 - Physiological Chemistry I
CHEM 2450 - Physiological Chemistry II
PHYS 1405 - Applied Physics
PHYS 1410 - College Physics 1
PHYS 1441 - University Physics 1

World Cultural Traditions

9 hours minimum required.

3 hours minimum required:
HIST 1310 - World History I
HIST 1320 - World History II

3 hours minimum required:
ENGL 2310 - World Literature I
ENGL 2320 - World Literature II

3 hours minimum required:
ENGL 2305 - World Literature I
ENGL 2306 - World Literature II
FYFS 1310 - First Year Seminar: Studies in World Cultural Traditions
HIST 1310 - World History I
HIST 1320 - World History II
PHIL 1320 - World Religions

Courses may only be used once to satisfy the general education requirements.

Social Sciences

6 hours minimum required.

ECON 1310 - Modern Political Economy
GEOG 1305 - Principles of Geography
PSCI 1330 - US Government and Politics *or*
PSCI 2300 - Introduction to International Relations
PSYC 1300 - General Psychology
SOC 1300 - Principles of Sociology *or*
SOC 1302 - Anthropology

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ECONOMICS AND FINANCE

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- Faculty
- Objectives
- The Carmichael Endowment
- Baccalaureate Degrees
- Courses in Economics
- Courses in Finance

FACULTY

Chair and Professor: Dr. Block, 450-5355
Professors: Dr. Bell, Dr. Horton, Dr. Johnson
Associate Professors: Dr. Cantrell, Dr. He, Dr. Kordsmeier, Dr. Packer, Dr. Picou, Dr. Saltz
Assistant Professors: Dr. McGarrity, Dr. McLean, Mr. Weller

OBJECTIVES

This department provides major programs in the areas of economics, finance, and international trade. A degree in economics can be taken under either the Bachelor of Business Administration degree plan or the Bachelor of Science degree plan. A degree in finance can be taken under the Bachelor of Business Administration degree plan. A degree in international trade is available under either the Bachelor of Business Administration degree plan or the Bachelor of Arts degree plan. Each

program emphasizes analytical tools and applications that will be useful in a rapidly changing world.

The degree program in finance prepares students for careers in financial institutions and in finance-related occupations in business and government. The degree programs in economics prepare students to enter professional careers as economic analysts in governmental and business organizations. The degree programs in international trade prepare students for positive participation in global business and society. If a student desires to undertake graduate study in economics, business, health care administration, public administration, or law, the economics and finance programs provide excellent backgrounds for such study.

Economic and financial competence requires a basic knowledge of theories, principles, and techniques of analysis. Added to this basic knowledge should be the historical, institutional, and quantitative approaches within the disciplines. With these tools, supplemented by studies in related fields of mathematics, computer science, accounting, and social sciences, students will be able to formulate approaches to current economic and financial problems as they arise in their personal and professional lives.

Exceptional students may be invited by the faculty to pursue departmental honors. Students will write an honors paper under the direction of a faculty member. Successful completion of this program will allow the students to graduate with honors in the major. Finance majors will be required to complete FINA 4395, Special Problems in Finance; economics majors and international trade majors will complete ECON 4395, Special Problems in Economics.

THE CARMICHAEL ENDOWMENT

The generosity of Dr. Maude Carmichael, through the Carmichael Fund that she established to honor 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 (PhD, 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

Bachelor of Business Administration

The degree of Bachelor of Business Administration requires successful completion of 124 hours, including (1) the general education component; (2) the BBA foundation and core requirements; (3) a major as listed below; (4) 11 hours of electives, at least 4 hours of which must be outside the College of Business Administration. Finance majors must take ACCT 3311 Intermediate Accounting I. The major GPA will be calculated using the courses presented for the major as listed below.

Major in Economics **15 hours**

ECON 4333 or 4340, 4370, and 9 hours from upper-division economics courses.

Major in Finance **15 hours**

FINA 3340, 4332, 4336, ECON 3325, and 3 hours from the following: FINA 4331, 4333 or ACCT 3312.

Major in International Trade **15 hours**

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

Minor in Economics (for BA and BS degrees) **18 Hours**

ECON 1310, 2320, 2321, and 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; (2) the BS degree requirements; (3) the major as listed below; and (4) a minor approved by the student's minor advisor.

Major in Economics **36 Hours**

ECON 1310, 2320, 2321, 4333, 4370, 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 Administration, and no more than 3 hours of electives may be in the College of Business Administration.

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; (2) the BA degree requirements; (3) the major as listed below; and (4) a minor approved by the student's minor advisor.

Major in International Trade **45 Hours**

Twelve hour global foundation consisting of HIST 1310, SOC 1302, ECON 3320, and PSCI 4310. Nine 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 hours of ECON consisting of ECON 1310, 2320, 2321, 4335, and 4370. Nine 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 Administration, and no more than 9 hours of electives may be in the College of Business Administration. No more than

30 hours total may be taken in the College of Business Administration.

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 MACROECONOMICS Study of the development of the market system and national economic goals and policies. Tools of macroeconomic analysis. Prerequisite: ECON 1310. Fall, spring, summer.

2321 PRINCIPLES OF MICROECONOMICS American capitalism, allocation of resources, basic microeconomic theory, consumer behavior, production, costs, and market structure. Prerequisite: ECON 1310. Fall, spring, summer.

2330 BUSINESS STATISTICS Introduction to descriptive statistics, probability theory (theoretical & empirical), discrete and continuous distributions, and sampling concepts. Emphasis on Type I & II errors and on hypothesis testing. Prerequisite: MATH 1393. Fall, spring, summer.

3300 LABOR/MANAGEMENT RELATIONS Comparative labor movements, the organization and operation of the labor market, industrial relations and collective bargaining, problems of economic security, public policy toward labor practices. Prerequisites: ECON 2320 and 2321. Spring.

3310 **PUBLIC FINANCE** Influence of government on resource allocation. Analysis of government response to market failure, public choice, social goods. Nature and extent of government expenditures and revenues; public debt; and the impact of government fiscal policy. Prerequisites: ECON 2320 and 2321. Spring.

3320 **GLOBAL ENVIRONMENT OF BUSINESS** Terminology and basic concepts of international trade. Economic, social, and political issues in the global environment of business. Prerequisites: ECON 1310. Fall, spring, summer.

3325 **DATA ANALYSIS** In-depth study of Chi-square goodness of fit, contingency tables, and other nonparametric methods. Emphasis on time series analysis, indexes, simple and multiple regression analysis, and analysis of variance. Prerequisite: ECON 2330. Fall, spring.

3330 **ENVIRONMENTAL ECONOMICS** Economic tools and concepts to describe efficient use and preservation of natural resources and environmental quality. Efficient regulation, cost benefit analysis, sustainable development, and global comparisons. Fall.

4320 **COMPARATIVE ECONOMIC SYSTEMS** Comparative analysis of the theories and practices of major economic systems. Consideration of the role of government in the economy. Economic systems of North America, Japan, and Europe. Prerequisites: ECON 2320 and 2321. Fall.

4333 **INTERMEDIATE MICROECONOMICS** Microeconomic analysis of determinants of value, production, 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 US 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. Prerequisite: ECON 2320 or ECON 2321. Spring

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.

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 ensure 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: ACCT 2310, 2311; ECON 2320, 2321, 2330. 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** Principles, practices, and problems of depository institution management with focus on commercial banking operations. Principles and practices of commercial bank lending. Asset, liability, and capital management. The regulatory environment. Commercial bank policy-making and control. Prerequisite: FINA 3330 and 3340. Spring.

4332 **INVESTMENTS** Basic theory, concepts, and principles applicable in making investment decisions. Emphasis on investment media, investment analysis, valuation techniques, and portfolio construction and management. Prerequisite: FINA 3330. Fall.

4333 **INTERNATIONAL FINANCE** Global financial markets and multinational financial operations. International financial relationships, emphasizing the international financial context of business decision-making. Prerequisites: ECON 2320 and 2321. Spring.

4336 **ADVANCED FINANCIAL MANAGEMENT** Analysis of financial theories and practices as they relate to financial decision-making within the firm. Selected cases, problems, and readings illustrate techniques used in financial decision-making. Prerequisite: FINA 3330. Fall.

4195, 4295, 4395 **SPECIAL PROBLEMS IN FINANCE** An investigation of a selected problem in finance consisting of readings and research and designed to involve the student in substantive analysis. Required for graduation with departmental honors. Prerequisite: consent of department chair. On demand.

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DEGREE REQUIREMENTS

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- Associate of Arts in General Studies Degree
- Baccalaureate Degrees
    - Special Degree Requirements
    - Bachelor of Arts
    - Bachelor of Business Administration
    - Bachelor of Fine Arts
    - Bachelor of Music
    - Bachelor of Science
    - Bachelor of Science in Nursing
    - Bachelor of Science in Education

ASSOCIATE DEGREES

The University of Central Arkansas offers the Associate of Arts, Associate of Applied Sciences, and Associate of Science degrees.

The minimum requirement for each degree is 62 semester hours of unduplicated credit with at least 30 hours earned above the freshman (1000) level. At least 24 of the last 30 hours must be earned in residence at the university.

General Education Requirements for the Associate Degrees

A minimum of 20-21 hours of general education courses is required for the Associate of Arts, Associate of Applied Science, and Associate of Science degrees.

Specific general education requirements are: American History of US Government (3 hours), Writing 1310 (3 hours), Writing 1320 (3 hours); Mathematics 1360 or Science (3-4 hours); Health and Physical Education (3 hours).

Six hours are to be chosen from general education courses (listed under General Education Course of Study) from departments other than those departments in which courses have been taken to satisfy the foregoing requirements. Since some programs may require work beyond these general education requirements, a student should consult the departmental section of this catalog.

No more than 50 percent of general education hours may be earned by CLEP credit.

ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

The University of Central Arkansas also offers the Associate of Arts in General Studies degree. The minimum requirement for this degree is 62 hours of collegiate-level work.

General Education Requirements for the Associate of Arts in General Studies Degree

A minimum of 47 hours of general education courses and 15 hours of electives is required for the Associate of Arts in General Studies degree. At least 24 of the last 30 hours must be earned in residence at the university.

BACCALAUREATE DEGREES

The University of Central Arkansas offers six baccalaureate degrees: Bachelor of Arts, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Bachelor of Science in

Nursing, Bachelor of Science in Education.

Special Degree Requirements

Baccalaureate requirements of the university provide a measure of standardization in the awarding of degrees. Yet each baccalaureate degree is distinct in its special requirements. Candidates for any degree who expect to complete the teacher education program leading to certification must also satisfy requirements listed under the Bachelor of Science in Education degree (see below).

Bachelor of Arts

In addition to the other requirements for graduation, the Bachelor of Arts degree requires completion of three hours in a foreign language on the 2000-level or above. A student with no previous experience with a foreign language normally will enroll in 1310, 1320, and 2300 or 2310.

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 one language or twelve hours within the department and is granted by fulfilling the following criteria:

- Achievement of a satisfactory score on a placement examination administered by the Department of Foreign Languages.
- Satisfactory completion, with a minimum grade of B, of the next foreign language course above the level for which credit by examination 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 College of Business Administration section.

Bachelor of Fine Arts

The requirements for the Bachelor of Fine Arts degree are specified in the Department of Art section.

Bachelor of Music

The requirements for the Bachelor of Music degree is specified in the Department of Music section.

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.

Bachelor of Science in Education

Candidates for the BSE degree 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.

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ART

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
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FACULTY

Chair and Professor: Dr. Burchett 450-3113
Professors: Mr. Bowman, Mr. Larsen, Ms. Phillips, Dr. Seymour, Mr. Thompson
Associate Professors: Ms. Brands-Wallace, Dr. Caldwell, Dr. Cohen, Mr. Massey
Assistant Professors: Ms. Caufield, Dr. Young
Gallery Director: Mr. Jenkens

MISSION

Offering a variety of undergraduate programs in art, the Department of Art views educational achievement as both an individual and collective responsibility. The department directs the educational progress of students toward quality research, creative practice, and public service.

Art uniquely transforms those who create and those who respond. The

department uses the transformative value of art to connect members of the community, enhancing and enriching lives, and making us more conscious of ourselves and others in the world.

To accomplish its mission, the Department of Art has established the following goals:

- To challenge students with an intensive curriculum characterized by individualized instruction.
- To reward faculty who demonstrate excellence in teaching, scholarly and creative endeavors, and community service.
- To maintain facilities and resources that foster opportunities to experience the creation, presentation, and study of the visual arts.
- To serve as a center for community involvement in the visual arts and to broaden public access to the arts.

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 a portfolio for faculty review.

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

BACCALAUREATE DEGREES

General Information: Two degrees are offered: (1) BA 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) BFA in studio art with an emphasis 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: 2301, 3361, 3379, 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, (4140 not required in BFA).

Bachelor of Arts

The degree of Bachelor of Arts, with a major in art, requires: (1) the general education component; (2) degree requirements (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 of level-II studio 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 emphasis may require more than the normal eight semesters to complete.

ART HISTORY EMPHASIS: ART 1310, 1321, 2312, and 2322. Thirty-three hours of art history courses plus ART 2140 and 4240.

Minor in Art **24 hours**

Twenty-four hours of art, including ART 1310 or 2312; 1321, 2322, 3 hours art history, 12 hours studio elective nine of which must be upper-level.

Programs of study for art minors are subject to approval by the Art Department.

Minor in Art History **24 hours**

Twenty-four hours of art, 9 of which must be upper-division courses: ART 2325, 2335, 2336; 3 hours studio art; 9 hours selected from ART 3301, 3302, 3303, 3365, 3385, 4102, 4202, 4302; and ART 4372. 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 134 hours, including (1) the general education component; (2) degree requirements (foreign language); and (3) 80 hours in art in an approved degree plan. A minor is not required. This degree may require more than the normal eight semesters to complete.

Major in Art **80 hours**

In addition to the 35 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 ceramics, illustration or graphic design, painting, printmaking, sculpture), and studio electives from two studio areas.

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.

1310 **DESIGN I 2-D** Studio course. Fundamentals of two-dimensional design. Fall, spring.

1321 **DRAWING I** Studio Course. Drawing techniques and media. Fall, spring.

2140 **PORTFOLIO ASSESSMENT I** Sophomore major advancement interview. Prerequisite: ART 1310, 1321, 2312, 2322, 3 hours from 2325, 2335, 2336. Fall.

2300 **ART APPRECIATION** Significant styles and achievements in the visual arts with study directed toward trends and influences on contemporary society. May not be credited toward a major or minor in art. Fall, spring, summer.

2301 **INTRODUCTION TO ART EDUCATION** Early field experience in a variety of instructional activities based on classroom preparation. Prerequisite: ART 1310 or 2312; and 1321. Spring.

2312 **DESIGN II, 3-D** Studio course. Fundamentals of three-dimensional design. Fall, spring.

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 the Renaissance to the contemporary. Fall, spring.

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

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

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

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

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

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.

3318 **PHOTOGRAPHY I** Studio course. Introduction to the use of the camera, darkroom, film, and processing. Prerequisite: ART 1310 and 3 hours drawing. Fall.

3324 **DRAWING III: ADVANCED LIFE DRAWING** Studio course. An in-depth study of the figure with emphasis on expressive interpretations. Prerequisite: ART 1310, 1321 and 2322. Spring.

3325 **COLOR** Studio course. The physical, psychological, and design properties of color; emphasis on color in nature, with applications in art, science, and industry. Prerequisite: junior or senior standing. Spring.

3330 **ILLUSTRATION I** Studio course. Procedures, materials, and methods of illustration. Various media and conceptual approaches. Prerequisite: ART 1310 and 3 hours drawing. Fall.

3331 **ILLUSTRATION II** Studio course. Creation of images inspired by the written word. Prerequisite: ART 2140, 3330. Spring.

3332 **PAINTING I** Studio course. Problems involving composition and color utilizing various painting techniques and supports. Prerequisite: ART 1310 and 3 hours drawing. Fall.

3333 **PAINTING II** Studio course. Problems involving composition and color. Prerequisite: ART 2140, 3332. Spring.

3334 **WATERCOLOR I** Studio course. Beginning transparent and opaque watercolor painting with emphasis on the transparent. Studies in visual composition. Prerequisite: ART 1310 and 3 hours drawing. Fall.

3335 **ART MUSEUM STUDIES** Introduction to the theory and practice of art museums. Prerequisite: 2000-level art history. Fall.

3339 **WATERCOLOR II** Studio course. Advanced transparent and opaque watercolor painting. Prerequisite: ART 2140, 3334. Spring.

3343 **PRINTMAKING I** Studio course. Techniques of printmaking in intaglio, relief, and the lithographic processes. Prerequisite: ART 1310 and 3 hours drawing. 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, direct dye processes, and fiber construction. 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, 3353. 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.

3365 **WOMEN IN ART** Survey of women artists from the Renaissance to the contemporary. Spring.

3379 **CERAMICS I** Studio course. Clay construction utilizing basic handbuilding and wheel techniques. Prerequisite: ART 2312 and 3 hours drawing. Fall, Spring.

3385 **ART OF INDIA** Survey of the important artistic monuments of India, especially the temples and sculptures related to Buddhism and Hinduism. Spring.

3390 **CERAMICS II** Studio course. Experimental projects in construction, glaze formulation, decorating techniques, and firing procedures. Prerequisite: ART 2140, 3379. Spring.

3395 **ART OF JAPAN** Survey of major Japanese monuments and styles with consideration to the social, political, and religious currents formulating the arts. Fall.

4140 **PORTFOLIO ASSESSMENT III** Senior project. Exhibit and comprehensive review. Prerequisite: ART 2140. 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 3140. 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** Studio course. Development of multiple piece product lines. Prerequisite: ART 3140, 3353, 3354. Fall.

4335 **GRAPHIC DESIGN IV** Studio course. Professional portfolio and personal resume. Prerequisite: ART 3353, 3354, 4328. Spring.

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

4360 **ART FOR THE ELEMENTARY GRADES** Development and implementation of art curriculum in the elementary grades. 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. Admission to teacher education. Prerequisite: ART 3140. 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** Studio course. 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 BA degree, 12 hours to the BFA degree.

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MUSIC

UCA Undergraduate Bulletin, 1998–2000

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FACULTY

Interim Chair and Associate Professor: Dr. Patterson, 450-3163
Professors: Dr. Anthony, Dr. Collins, Dr. Driggers, Dr. Kraeft, Dr. Winter
Associate Professors: Mr. Erwin, Mr. Hasty, Dr. Lamar
Assistant Professors: Mr. Baker, Dr. Belisle, Dr. Brooks, Dr. Brown, Mr. Holden, Dr. Hsu, Mr. Oeste, Mr. Roscigno, Dr. Rutman
Lecturers: Ms. Antolik, Dr. Huang
Instructors: Ms. Bryant, Mr. Burritt, Ms. Franklin, Ms. Roberts

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 3.0 GPA overall and a 3.0 GPA in music courses. This program will include successful completion of MUS 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.

PERFORMANCE REQUIREMENT

Ensemble Requirements

All music majors are required to participate in at least one large ensemble (orchestra, band, or choir) during full-time enrollment at the university, except in their professional semester of teacher education. The department chair may waive the large ensemble requirement or allow a small ensemble substitution for full-time students enrolled beyond the eighth semester.

Specific Requirements

BM-EDUCATION: *woodwind, brass and percussion majors* must participate in the University Band a minimum of six semesters including three semesters of marching band.

BM: *woodwind, brass, and percussion majors* may participate in the University Band or University Orchestra to fulfill the large ensemble requirement.

BM-EDUCATION: *string majors* must participate in the University Orchestra a minimum of six semesters.

BM: *string majors* must participate in the University Orchestra to fulfill the large ensemble requirement.

BM-EDUCATION: *vocalists* must participate in a choir to fulfill the large ensemble requirement.

BM-EDUCATION: *piano majors* may substitute up to three semesters of accompanying for the large ensemble requirement.

BM: *piano majors* may substitute up to six semesters of accompanying for the large ensemble requirement.

BM: *piano majors* may choose any ensemble to fulfill the large ensemble requirement.

Recital Attendance

All music majors are required to attend 20 recital programs per semester (ten general recitals plus ten 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 the major and minor applied area of study. Juniors and seniors who have given a satisfactory recital may be exempted from the jury. Examination requirements for persons enrolled in applied music on an elective basis are determined by the individual teacher. The specific jury repertoire requirements are determined by the individual teachers or general areas such as voice or piano.

Recitals

All music majors, except first-semester freshmen, are required to appear in a general recital at least once 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 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 2 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, $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, 18 hours of practice per week (applicable to BM students).

BACCALAUREATE DEGREES

Bachelor of Music - Music Education Emphasis

The degree of BM-Education requires successful completion of 136 hours, including (1) the general education component; (2) degree/licensure requirements - College of Education; (3) degree requirements in music as listed below; and (4) ensemble experiences as required. Note: At the time of publication, a proposal to reduce the number of required hours to 130 is under review. Students should contact the department office for current policy.

BM-Education: keyboard majors must pursue a choral or an instrumental-degree track.

Applied Music **12-14 hours**

Major applied: Instrumental: 10 hours; vocal: 12 hours; recital or project.

Minor applied: 2 hours.

Theory **18 hours**

MUS 1230, 1231, 1232, 1233, 2430, 2431, 3210 or 3230 or 4210 or 4215.

History and Literature **9 hours**

MUS 1340, 3302, 3303.

Pedagogy **9-11 hours**

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

Keyboard majors: MUS 2150, 3305, 3306, 4201, 4202.

*Instrumental majors: MUS 2150, 2170/2171, 2180/2181, 2199, 3305, 3304 or 3308, 4201.

Technology **2 hours**

MUS 2210.

*Instrumental majors must have one or 2 hours of Brass Class, and one or 2 hours of Woodwind Class. Brass majors will take 2 hours of woodwinds. Woodwind majors must have 2 hours of brasses. Percussion majors will take 2 hours of woodwinds and 2 hours of brasses.

During their sophomore year, candidates for this degree should contact the department chair and the UCA certification officer in the College of Education 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 133 hours, including (1) the general education component; (2) degree requirements as listed below; and (3) ensemble experience as required. Note: At the time of publication, a proposal to reduce the number of required hours to 130 is under review. Students should contact the department office for current policy.

Applied Music **26 hours**

Major applied: 23 hours, Minor applied: 2 hours, Recital: 1 hour.

Theory **24 hours**

Music 1230, 1231, 1232, 1233, 2430, 2431, 3210, 3230, 3233, 4210 or 4215.

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 BM program must have one year of a foreign language. Vocal majors must also take MUS 1141 and 1142.

Electives*:

Vocal Emphasis: 6 hours; instrumental emphasis: 15 hours; keyboard emphasis: 13 hours.

*Electives may be music courses or other courses of study. Students should consider the university requirement of having 40 hours of upper-division credit for graduation when choosing electives.

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 MUS 1300, Fundamentals of Music.

**For those who need piano for theory keyboard, 2 hours of piano class may be a part of the 6 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

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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 MUS 1300. 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.

2210 **INTRODUCTION TO MUSIC TECHNOLOGY** An introduction to music computer technology and related multi-media technology, including a survey of computer hardware and software appropriate for computer-assisted instruction in the private studio and classroom.

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 Neopolitan 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 2, 3, and 4 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.

4210 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.

4215 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 student may later base a more detailed study of the subject matter. Fall, spring.

2300 MUSIC APPRECIATION Music, its origin and development. Recorded and live instrumental and vocal music used. Relates music to the other arts, literature, and the social sciences. Every semester.

3300 CHURCH MUSIC History of Western church music from earliest times to the present and application of this heritage to church music of today. Prerequisite: consent of instructor. On demand.

3302 MUSIC HISTORY I History of Western art music from antiquity to 1750. Prerequisite: MUS 1340. Fall.

3303 MUSIC HISTORY II History of Western art music from 1750 to the present. Prerequisite: MUS 3302. Spring.

3340 MUSIC OF THE WORLD An introduction to the music of the world's peoples and to the exploration of it in the context of human life. Summer.

4203 PIANO LITERATURE For the piano, including works composed for harpsichord and clavichord. Covers keyboard works from the late Baroque period through the twentieth century. On demand.

4205 VOCAL LITERATURE Solo vocal literature from the Renaissance to the present. Emphasis upon the style, interpretation, and performance of solo materials for all voice classification. On demand.

4301 JAZZ: HISTORY OF AN AMERICAN ART FORM A historical survey of each era of jazz evolution from African slave songs to the present. Spring, summer.

4304 HISTORY OF ROCK MUSIC A historical survey of rock music, including its antecedents, development as a musical style, and its influences on modern American culture. Spring.

Pedagogy

1141 **DICTION FOR SINGERS I** Pronunciation skills in German and Italian as well as English encountered in the standard repertory of vocal music. Phonetic approach, including its application to vocal performance. Required of freshmen and transfer vocal majors. Open to others as space permits. Fall.

1142 **DICTION FOR SINGERS II** A continuation of 1141 but emphasis on French and English during the spring semester. Required of freshmen and transfer vocal majors. Open to others as space permits.

2150 **STRING CLASS** Teaching, maintaining, purchasing, and performing on string instruments. Performance on all standard string instruments. Emphasis on knowledge of the instruments, their literature, and pedagogy.

2391 **MUSIC FUNDAMENTALS FOR CLASSROOM TEACHERS** An activities approach designed to give future classroom teachers a background in music fundamentals needed in their preparation to use music effectively in their classrooms and support the work of the music specialist. Every semester.

2170 **BRASS CLASS I** Teaching, maintaining, purchasing, and performing on brass instruments. Performance on all standard brass instruments. Emphasis on knowledge of the instruments, their literature, and pedagogy. Fall.

2171 **BRASS CLASS II** A continuation of Brass Class I. Spring.

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. Fall, odd 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

4110 **WORKSHOP IN MUSIC EDUCATION** Problems in music education to be determined by student(s) enrolled. On demand.

4310 **SPECIAL STUDIES IN MUSIC** Opportunity for superior students to investigate a selected area within their field, to complete and present an honors research paper or an honors recital which includes a written report. To be done with the approval of the departmental honors committee and the supervision of music faculty member. Prerequisite: invitation from the music honors committee. Fall, spring.

4315 **INTRODUCTION TO KODALY** Introduction to the Kodaly approach to music education. Includes classes in solfege and musicianship, pedagogy, repertoire, song analysis, as well as practicum. Emphasis on lower elementary grades. Summer.

4121, 4221, 4321 **WORKSHOP IN MUSIC** Problems in music to be determined by the student(s) enrolled. Maybe taken for 1 to 3 credits. On demand.

Performance

11B1-41B8 **UNIVERSITY BAND** Membership is by audition. Official band for all school athletic events. Divided into two concert bands during spring term. Some instruments available to ensure proper instrumentation. Each semester, summer on demand.

11C1-41C8 **CONCERT CHOIR** A select group of mixed voices chosen by audition. Membership is limited. The group's aim is to present outstanding musical works. Rehearsals: five hours per week. Each semester, summer on demand.

11C1-41C8 **UNIVERSITY SINGERS** A non-audition group of mixed voices.

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 **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 on stage 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 BM majors. A public recital (suggested minimum duration, BM - 45 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.

Strings

11N1-11N2, 12N1-12N2 **VIOLIN (BM-Education) 14N1-14N2 VIOLIN (BM)** 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 (BM-Education) 24N3-24N4 VIOLIN (BM)** Selected etudes from Kreutzer. Major and minor scales in three octaves. Selected pieces and sonatas by Handel and Vivaldi.

31N5-31N6, 32N5-32N6 **VIOLIN (BM-Education) 34N5-34N6 VIOLIN (BM)** 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 (BM-Education) 44N7-44N8 VIOLIN (BM)** Etudes, scales and arpeggios. Several short pieces from the Classic, Romantic, and Modern periods. One concerto from the standard repertoire.

11E1-11E2, 12E1-12E2 **VIOLA (BM-Education) 14E1-14E2 VIOLA (BM)** Selected technical studies. Major and minor scales in two octaves. Sonatas by Graun and Marcello as well as shorter works selected by the instructor.

21E3-21E4, 22E3-22E4 **VIOLA (BM-Education) 24E3-24E4 VIOLA (BM)** 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 (BM-Education) 34E5-34E6 VIOLA (BM)** Selected studies by Fiorillo and 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 (BM-Education) 44E7-44E8 VIOLA (BM)** 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.

11L1-11L2, 12L1-12L2 **VIOLONCELLO (BM-Education) 14L1-14L2 (BM)** Violoncello 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 (BM-Education) 24L3-24L4 VIOLONCELLO (BM)** 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 (BM-Education) 34L5-34L6 VIOLONCELLO (BM)** 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 (BM-Education) 44L7-44L8**
VIOLONCELLO (BM) 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.

11T1-11T2, 12T1-12T2 **CONTRABASS (BM-Education) 14T1-14T2**
CONTRABASS (BM) Major and minor scales. Studies from Simandel and selected solo pieces. Fall, spring.

21T3-21T4, 22T3-22T4 **CONTRABASS (BM-Education) 24T3-24T4**
CONTRABASS (BM) Major and minor scales with varied bowings and rhythms. Studies, selected sonatas, and short pieces. Fall, spring.

31T5-31T6, 32T5-32T6 **CONTRABASS (BM-Education) 34T5-34T6**
CONTRABASS (BM) Major and minor scales. Studies by Michaelis, selected sonatas, short pieces and a concerto. Fall, spring.

41T7-41T8, 42T7-42T8 **CONTRABASS (BM-Education) 44T7-44T8**
CONTRABASS (BM) Continuation of previous work in scales and bowings. Selected solos from eighteenth, nineteenth, and twentieth century repertoire. Recital appearance. Fall, spring.

Keyboard

(Includes Piano and Organ Courses)

1131-1132 **PIANO CLASSES I AND II** Piano Class I is a functional approach to piano for the non-keyboard major. The course emphasizes the development of sight-reading skills, the ability to harmonize melodies, and basic knowledge of harmonic materials (chords, scales, arpeggios, cadences, etc.). Piano Class II is a continuation of skills introduced in Piano Class I. On demand.

2133-2134 **PIANO CLASSES III AND IV** Piano Class III continues attention to the material covered in Piano Classes I and II. Added emphasis is given to basic keyboard repertory which demonstrates contrasting styles and textures from various periods. Piano Class IV culminates the work in preparation for proficiency at the keyboard demanded for BME teaching requirements. Successful completion of Piano Class IV with a grade of C or higher represents fulfillment of the piano proficiency requirements. On demand.

11P1-11P2, 12P1-12P2 **PIANO (BM-Education) 14P1-14P2 PIANO (BM)** Selected exercises; Bach Two-Part Inventions; sonatas of Hay, Mozart, and Beethoven; selections from Chopin Op. 28, Schumann, Mendelssohn Songs Without Words; selected modern works.

21P3-21P4, 22P3-22P4 **PIANO (BM-Education) 24P3-24P4 PIANO (BM)** Special exercises; Bach preludes and fugues; sonatas and variations of the Viennese classicists; Chopin preludes, waltzes, mazurkas; Brahms intermezzi; selected modern works.

31P5-31P6, 32P5-32P6 **PIANO (BM-Education) 34P5-34P6 PIANO (BM)** Selected exercises; Bach suites and partitas; sonatas of Scarlatti; selections from Chopin Op. 10 and 25; Brahms rhapsodies; characteristic pieces of Schumann. More advanced sonata literature of the Classic-Romantic period.

41P7-41P8, 42P7-42P8 **PIANO (BM-Education) 44P7-44P8 PIANO (BM)** Selected exercises; works of Couperin, Rameau, Bach, and Scarlatti; Beethoven sonatas of the middle period; major works of the Romantic period, such as sonatas of Chopin, Brahms, and Schubert; the larger works of Schumann; suites of Debussy and Ravel; and selections from the modern literature of all schools.

11G1-11G2, 12G1-12G2 **ORGAN (BM-Education) 14G1-14G2 ORGAN (BM)** 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 (BM-Education) 24G3-24G4 ORGAN (BM)** 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 (BM-Education) 34G5-34G6 ORGAN (BM)** Bach Toccata (Dorian), Prelude and Fugue in B minor, Toccata and Fugue in D minor, and other representative works.

41G7-41G8, 42G7-42G8 **ORGAN (BM-Education) 44G7-44G8 ORGAN (BM)** 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 Voice

11V1-11V2, 12V1-12V2 **VOICE (BM-Education) 14V1-14V2 VOICE (BM)** 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 (BM-Education) 24V3-24V4 (BM)** Work on scales, and arpeggios to gain flexibility. Continued work in diction. Simple arias are studied and memorized.

31V5-31V6, 32V5-32V6 **VOICE (BM-Education) 34V5-34V6 (BM)** Additional technical work such as staccato scales, staccato and legato arpeggios, and trills. More difficult songs studied and memorized.

41V7-41V8, 42V7-42V8 **VOICE (BM-Education) 44V7-44V8 VOICE (BM)** Work on advanced technique and repertoire.

Courses in Woodwinds

11W1-41W8, 12W1-42W8 **WOODWINDS (BM-Education), 14W1-44W8 WOODWINDS (BM)** 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

11A1-41A8, 12A1-42A8 **BRASS (BM-Education) 14A1-44A8 BRASS (BM)** 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

11U1-41U8, 12U1-42U8 **PERCUSSION (BM-Education) 14U1-44U8 PERCUSSION (BM)** Development in all phases of performance-technic, style, musicianship, interpretation, and repertoire.

Courses in Guitar

11R1-41R8, 12R1-42R8 **GUITAR (BM-Education) 14R1-44R8 GUITAR (BM)** Development in all phases of performance-technic, style, musicianship, interpretation, and repertoire.

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COLLEGE OF EDUCATION

UCA Undergraduate Bulletin, 1998–2000

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- Curriculum and Instruction
- Psychology and Counseling

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- Requirements for Admission to the Teacher Education Program
- Requirements for Admission to Directed Teaching
- Requirements for Certification
- Other Requirements
- Common Core for All Teacher Education Majors (EDUC)

DEANS

Interim Dean and Professor: Dr. Freddie Litton, 450-5401
Interim Assistant Dean and Associate Professor: Dr. Kathleen Atkins

GENERAL INFORMATION

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 is adjacent to the university campus. The college is composed of three academic departments: Academic Technologies and Educational Leadership, Curriculum and Instruction, and Psychology and Counseling. The Division of Professional Field Services includes early field experiences, student teaching, and licensure. The Center for Academic Excellence is the college's research, service, and outreach unit.

CURRICULA

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

Psychology

Master of Science in Education

Business Education
Early Childhood Education
Elementary Education

- Gifted Education Emphasis

Elementary School Leadership
Reading
Secondary School Leadership
Special Education

- Mildly Handicapped K-12
- Moderately and Profoundly Handicapped K-12
- Seriously Emotionally Disturbed K-12

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

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 (Mashburn 230).

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

1. Declaration of a major or equivalent in an accepted field of study in which licensure is granted. A student must meet the requirements of the major department.
2. A GPA of 2.5 or better on all course work attempted.
3. Completion of the general education courses in written communications, oral communications, and mathematics. WRTG 1310 and 1320, SPTA 1300, MATH 1360 or above with no grade less than C. (Some majors require MATH 1390.)
4. 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 freshman year.
5. Successful completion of EDUC 1210, EDUC 1220, and EDUC 2320 with a grade of no less than C.
6. 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.
2. Favorable recommendations and signatures from the departmental advisor and chairperson in both major and minor fields.
3. 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).
5. 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 that 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 (Mashburn 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 licensure will be granted:

1. Satisfactory completion of the National Teacher Examination (NTE) requirements. (Professional Knowledge 642; Specialty Area exam in areas(s) of certification).
2. 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).
3. 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 a license 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 licensure. The student must submit an official transcript from the regionally accredited program where they received their degree. Students seeking to complete licensure 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 Arkansas Department of Education Office of Teacher Education 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 PSCI 1330.

COMMON CORE FOR ALL TEACHER EDUCATION MAJORS (EDUC)

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

1210 INTRODUCTION TO EDUCATION AND REFLECTIVE TEACHING 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 semester freshman standing. Fall, spring, summer. (See department chair, PSYC, for additional course information.)

1220 EDUCATIONAL TECHNOLOGY An introduction to the concept of educational technology in the classroom. Topics include the computer as an instructional tool, basic media utilization techniques, and teacher-made media aids. Admission to teacher education and field experience required. Fall, spring, summer. (See department chair, ATEL, for additional course information.)

2320 EXCEPTIONALLY AND CULTURALLY DIVERSE STUDENT POPULATION The 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. Field experience required. Prerequisite: EDUC 1210. Fall, spring, summer. (See department chair, C&I, for additional course information.)

3301 HISTORY AND PHILOSOPHY OF EDUCATION Historical and philosophical aspects of education with emphasis on US education. Major historical events, critical issues, and contributions. Admission to the Teacher Education Program and field experience required. Fall, spring, summer. (See department chair, PSYC, for additional course information.)

3310 LEARNING AND DEVELOPMENT OF CHILDREN AND ADOLESCENTS An introduction to the developmental foundations of human beings, the major theories of learning, applications of learning, application of learning theories and factors affecting human learning and diverse human populations. Admission to teacher education and field experience required. Prerequisite: EDUC 1210, 2320. Fall, spring, summer (See department chair, PSYC, for additional course information.)

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ACADEMIC TECHNOLOGIES AND EDUCATIONAL LEADERSHIP

UCA Undergraduate Bulletin, 1998–2000

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  - Baccalaureate Degree
  - Courses in Business/Marketing Education
- Educational Media/Library Science
  - Courses in Educational Media/Library Science

FACULTY

Chair and Professor: Dr. Royal, 450-3177
Professors: Dr. Arn, Dr. Gruen, Dr. Hardin, Dr. Jordan, Dr. Peterson
Associate Professors: Dr. Charter, Dr. Griffin, Dr. Rancifer, Dr. Thurman
Assistant Professors: Dr. Adler, Dr. Bean, Dr. Shastri
Instructor: Mr. Goswick

BUSINESS/MARKETING TECHNOLOGY

PURPOSES

Programs of study in business education and marketing technology

offered within the Department of Academic Technologies and Educational Leadership 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 technology by:
    a. earning a Bachelor of Science in Education degree with a major in business technology, or
    b. earning a Bachelor of Science in Education degree with a major in a secondary teaching field and a minor in business technology.
2. At the undergraduate level, students may become licensed in marketing technology by earning a Bachelor of Science in Education degree with a major in marketing technology.
3. Post-baccalaureate students may become licensed in business technology or marketing technology by completing a prescribed list of courses as determined by the licensure officer of the university in conjunction with the Arkansas State Department of Education.

BACCALAUREATE DEGREE

Bachelor of Science in Education

Major in Business Technology

The degree of Bachelor of Science in Education with a major in business technology requires successful completion of the general education requirements, business technology 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 Technology Core **39 hours**

ACCT 2310, 2311, 3321; BMED 2320, 2364; ECON 1310, FINA 2330;

INFO 1343, 2364, 3361, 3365, 4362.

Teacher Education Core (Business Education Component) 9 Hours

Completion of teacher education core and professional studies requirements for secondary education licensure plus BMED 4359, BMED 4371, and BMED 4325.

Endorsements:

1. Secretarial -- Completion of a three-hour advanced shorthand course.
2. Computer Technology -- Completion of a three-hour computer programming course in addition to 12 hours of computer courses included in business technology (see advisor).
3. Workforce Education -- Nine vocational hours required for education endorsement are included in the teacher education core and business education component requirements. See advisor for work experience requirement.

Minor in Business Technology

Undergraduate students seeking a BSE degree with a major in another teaching field may also certify in business technology by completing all minor requirements. Students must complete general education requirements, major requirements, and business technology component of the teacher education core requirements as specified in their major. In addition, the minor in business technology requires completion of the business technology core and nine additional hours in the business technology component of the teacher education core. Students may also obtain endorsements in three areas: secretarial, computer technology, and workforce education.

Business Education Core 36 Hours

ACCT 2310, 2311, 2321; BMED 2320, 2364; ECON 2320; INFO 1343, 2364,3361, 3365, 4362.

Teacher Education Core (Business Education Component) 9 Hours

Completion of teacher education core and business technology component requirements for secondary education certification plus BMED 4359, BMED 4371, and BMED 4325.

Major in Marketing Technology

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

The marketing technology core and marketing education component of the teacher education core requirements are described below. See advisor for work experience requirements needed for vocational licensure. Students may minor in another teaching area.

Marketing Technology Core 39 Hours

ACCT 2310, 2311, 3321; ECON 2320, 2321; INFO 1343, 3361, MGMT 3340; MKTG 3350, 4371, 4372, 4352; BMED 4375.

Teacher Education Core (Marketing Technology Component) 9 Hours

Completion of teacher education core and professional studies requirements for secondary education licensure plus BMED 4325, BMED 4359, and BMED 4371.

COURSES IN BUSINESS/MARKETING TECHNOLOGY

2306 METHODS AND MATERIALS FOR TEACHING OCCUPATIONAL SURVIVAL SKILLS Discussion of teaching methods and curriculum materials for teaching occupational survival skills to disadvantaged/handicapped learners.

4311 CAREER ORIENTATION Identification of kinds, types, and sources of occupational information for prospective workforce education teachers of career orientation. Summer. On demand.

4312 ACTIVITY BASED LEARNING EXPERIENCES IN CAREER ORIENTATION Techniques and methods of presenting occupational information and processes typical of the world of work in career orientation classes. Summer. On demand.

4315 OCCUPATIONAL ANALYSIS Selection, task analysis, and instructional preparation for specific occupations in vocational education service areas.

4325 APPLICATIONS OF COMPUTERS IN EDUCATION Introduction to the role of the computer in the classroom through a comparison of existing computer hardware and software.

4359 METHODS OF VOCATIONAL BUSINESS AND MARKETING EDUCATION Study of teaching vocational business and marketing education programs. Admission to teacher education.

4371 METHODS OF TEACHING BUSINESS AND MARKETING EDUCATION Materials, methods, and evaluation of business and marketing education subjects. Admission to teacher education.

4372 METHODS AND INSTRUCTIONAL MATERIALS IN VOCATIONAL EDUCATION Improvement of methods, materials, and techniques in vocational education; emphasis will be given to behavioral objectives, group- and self-instructional methods and materials, course outlines, and evaluation.

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.

4395 INTRODUCTION TO ADULT EDUCATION Principles of adult education and an overview of the educational needs of adults.

4396 METHODS AND TECHNIQUES OF ADULT EDUCATION Specific methods and techniques utilized in the teaching of adults.

EDUCATIONAL MEDIA/LIBRARY SCIENCE

See graduate catalog for degree requirements and additional course descriptions.

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.

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CURRICULUM AND INSTRUCTION

UCA Undergraduate Bulletin, 1998–2000

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FACULTY

Interim Chair and Professor: Dr. Mainord, 450-3169
Professors: Dr. James, Dr. Litton, Dr. Naylor
Associate Professors: Dr. Atkins, Dr. Mosley, Dr. Phelps
Assistant Professors: Dr. Benson, Dr. Calhoun, Dr. Filer, Dr. Hervey, Dr. Johnson, Dr. Shearin, Dr. Sumpter
Instructors: Mr. Barrington, Ms. Cain, Ms. George, Ms. Greenland, Ms. Zimmerly

CHILDHOOD EDUCATION

PURPOSES

The courses offered by the childhood education program within the Department of Curriculum and Instruction are designed to provide the professional knowledge, understanding, and skills needed by beginning and in-service teachers at the primary and elementary levels. In its efforts to accomplish this purpose, the department has developed courses around four areas: (1) the school, including history, philosophy, and educational problems; (2) teaching, including methods and materials of instruction and testing evaluation; (3) directed teaching/practicum whereby students are given the opportunity to practice under the supervision of an experienced teacher. In an effort to bridge the gap between theory and practice, planned observation periods are provided within the framework of regular departmental offerings whereby students may see and study actual school programs and teaching situations; and (4) specialized programs of study at the graduate level are offered in early childhood education, elementary education, gifted education, and reading.

THE HONORS PROGRAM IN EDUCATION

To earn an honors degree the following conditions must be met:

1. Consent of the chair of the department.
2. Maintain a 3.0 grade point average on all work attempted.
3. Successfully complete CHED 4321.

4. Complete a faculty directed research paper written under the direction of the instructor of CHED 4321.

BACCALAUREATE DEGREES

The Bachelor of Science in Education

Major in Elementary Education

1. General education -- Requires the completion of the general education component.
2. Education -- 50 hours, must include professional education core (15 hours) and CHED 4304, 4305, 4308, 4309, 4350, 4310, 4315, 4604, 4605.
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.
2. Education -- 56 hours, must include professional education core (15 hours) and CHED 3301, 4304, 4305, 4309, 4310, 4315, 4350, 4373, 4374, 4603, 4604.
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 Bulletin*.

COURSES IN CHILDHOOD EDUCATION

Admission to Teacher Education is required for all of the following courses.

2310 CHILD AND ADOLESCENT DEVELOPMENT An introduction to child and adolescent development from conception to adolescent development. Every semester.

3301 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION Factors affecting the development of Early Childhood Education (ECE), including components of the profession of the ECE, history of ECE, theories of childhood development, and classroom management theories and techniques as they relate to the diverse needs found in the educational setting. Fall, spring, summer.

3315 SOCIAL SCIENCES/ECONOMICS IN THE ELEMENTARY SCHOOL Developmentally appropriate instructional strategies, materials, and curriculum for diverse needs of individual learners in social sciences with an emphasis on economics. Field experience required. Completion of EDUC 1210, 1220, 2320, 3301, and 3310.

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 knowledge base related to the foundations of language and reading, the assessment of emerging literacy for reading and writing instruction, and understanding the specific competencies and strategies necessary for successful reading. Field experience required. Fall, spring, summer.

4315 **PRINCIPLES AND PRACTICES OF TEACHING READING** Preparation of students to teach the reading/language processes in the elementary schools, addressing current issues, programs, materials, and approaches to: teaching reading, diagnosing reading difficulties, organizing for instruction, meeting special needs of learners, and connecting reading/writing/speaking/listening. Field experience required. Prerequisite: CHED 4310. Fall, spring, summer.

4321 **SPECIAL PROBLEMS IN EDUCATION** Reading and research on a significant educational problem. Required of honors students in childhood education. Prerequisite: consent of instructor and department chair. On demand.

4350 EVALUATION IN THE ELEMENTARY SCHOOL Dual objectives: 1) student understanding of basic principles of evaluation, including analysis of validity and reliability; types and uses of evaluative devices both formal and informal; and practical considerations related to testing, measuring, and assessing; and 2) practical implantation of basic guidelines related to test construction and assessment. Field experience required. Fall, spring.

4373 LANGUAGE ARTS AND SOCIAL STUDIES FOR EARLY CHILDHOOD EDUCATION Emphasis on the development and implementation of methods and materials of language arts and social studies utilizing developmentally appropriate techniques that are professionally compatible with current research and practice. The diverse needs of the child are considered in implementation of teaching materials and techniques. Field experience required. (Required for students seeking kindergarten certification). Prerequisite: CHED 3301 Fall, spring.

4374 MATHEMATICS AND SCIENCE FOR EARLY CHILDHOOD EDUCATION Developmentally appropriate strategies, materials, and planning in early childhood science and mathematics curriculum including considerations for the needs of diverse populations. Field experiences required. (Required only for students seeking kindergarten certification.) Prerequisite: CHED 4373. Fall, spring.

4603 DIRECTED TEACHING IN KINDERGARTEN Teaching under supervision in kindergarten. Required full day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education courses. Taken concurrently with directed teaching 4604. Fall, spring.

4604 **DIRECTED TEACHING** Primary teaching under supervision in grades 1, 2, or 3. Requires full day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education courses. Taken concurrently with directed teaching 4603 or directed teaching 4605. Fall, spring.

4605 **DIRECTED TEACHING IN ELEMENTARY** Teaching under supervision in grades 4, 5, or 6. Requires full day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education courses. Taken concurrently with directed teaching 4604. Fall, spring.

SEMINARS ACCOMPANYING DIRECTED TEACHING Required participation by students enrolled in directed teaching. Topics include analysis of teaching performance, legal and ethical issues facing teachers, working with parents and legal guardians, roles of private and public agencies in providing assistance to students, job procurement, and professional growth plans. Fall, spring.

2103, 2203, 2303 **SPECIAL TOPICS** An intensive study designed to explore special topics of interest in the area of early childhood and elementary education. The content will vary depending upon the needs of the group to be served. Prerequisite: permission of chair. On demand.

SECONDARY EDUCATION

PURPOSES

The courses offered by this program 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 licensed 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 and EDUC 1220
Sophomore Year	EDUC 2320
Junior Year	EDUC 3301 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 4680 and 4681

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

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 licensed for middle school level:

ADSE 4303 and EDUC 3310

MASTER'S DEGREE

See *Graduate Bulletin*.

COURSES IN SECONDARY EDUCATION

Formal admission to UCA's teacher education program is required for all courses listed below.

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 teachers' roles in delivering quality secondary education programs designed for all students. Clinical field experience required.

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.

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

4303 THE MIDDLE SCHOOL: PSYCHOLOGY, PHILOSOPHY, AND ORGANIZATION The relationship between public characteristics and 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. Field experience required.

4680 DIRECTED TEACHING: SECONDARY I Teaching under supervision in a secondary school. Requires full-day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education and specialty courses. Taken concurrently with ADSE 4681.

AND

4681 DIRECTED TEACHING: SECONDARY II Teaching under supervision. Requires full-day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education and specialty courses. Taken concurrently with ADSE 4680.

OR

4690 DIRECTED TEACHING: K-12 I Teaching under supervision for majors in music, art, and physical education who seek K-12 certification. Requires full-day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education and specialty courses. Taken concurrently with ADSE 4691-Directed Teaching K-12 II.

AND

4691 DIRECTED TEACHING: K-12 II Teaching under supervision for majors in music, art, and physical education who seek K-12 certification. Requires full-day involvement and seminars. Prerequisite: admission to directed teaching and completion of all professional education and specialty courses. Taken concurrently with ADSE 4690.

SEMINARS ACCOMPANYING DIRECTED TEACHING I AND II: Required participation by students enrolled in directed teaching I and II. Topics include analysis of teaching performance, legal and ethical issues facing teachers, working with parents and legal guardians, public personnel services, job procurement, and professional growth plans.

3456 METHODS IN VOCATIONAL HOME ECONOMICS Directed observation and participation in home economics programs of the public schools as a basis for curriculum planning and techniques of teaching. To be taken with consent of instructor. Prerequisite: admission to teacher education. Spring.

4301 INTERPERSONAL SKILLS IN HUMAN RELATIONS Focus is on effective communicative techniques and interpersonal skills. On demand.

4321 SPECIAL PROBLEMS IN SECONDARY EDUCATION An intensive study of problems related to the special needs of the student. On demand.

4355 METHODS AND MATERIALS IN VOCATIONAL HOME ECONOMICS Community programs, adult programs, future homemakers organization, home experiences, the public relations program, and the development of teaching materials. Prerequisite: ADSE 3456. On demand.

4357 METHODS OF VOCATIONAL EDUCATION-HEALTH OCCUPATIONS Methods, techniques, resources, laboratory practices, and laboratory evaluations in health occupations education. Prerequisite: permission of instructor. On demand.

4399 ENVIRONMENTAL STUDIES - AN INTRODUCTION A multidisciplinary approach to understanding our environment and our relation to it. On demand.

4330 WORKSHOP Selected topics which provide for in-depth study of a significant issue in education.

SPECIAL EDUCATION

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 university 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 licensure. A student may also elect to take a non-teaching minor in special education for the BSE, BA, or BS degrees. All programs in special education are accredited by the Council for Exceptional Children.

Other important functions of the program 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) the general education component; (2) related component (listed below); (3) degree component.

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 2320.

Related component requirements for these degrees are: CHED 2310 or 2370, *MATH 3351; SPTA 1300; 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, 4610 and 4611.

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

SPED 2301, 3351, 2312, 4315, 4334, 4340, 4612, and 4613; SPTH 2303.

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

SPED 2301, 2303, 3351, 4302, 4341, 4342, 4614, and 4615.

Double Major Requirements

Related component requirements are: ART 4360, ENGL 3310, BIOL 4340, MATH 3351 and 4310 or 4312, MUS 3392, KPED 3330, CHED 2310 or 2370, and CHED 4310.

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

CHED 4304, 4305, 4309, SPED 2301, 3351, 4314, 2331, 4332, 4333, 4334, 4335, 4610, and CHED 4604 or 4605.

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

CHED 4304, 4305, SPTH 2303, SPED 2302, 2301, 3351, 2312, 4313, 4314, 4315, 4333, 4334, 4340, and 4612, and CHED 4604 or 4605.

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

CHED 4304, 4305, SPED 2301, 2303, 3351, 3360, 4302, 4313, 4314, 4333, 4334, 4341, 4342, 4614, and CHED 4604 or 4605.

Non-Teaching Minor in Special Education BSE, BA, or BS **18 hrs.**

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 2320. A minor program of study sheet must be filled out with a department advisor.

MASTER'S DEGREE

See *Graduate Bulletin*.

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 mental retardation and implications for adjustments and education. On demand.

2312 CHARACTERISTICS OF EMOTIONALLY DISTURBED CHILDREN Concepts, practices, and trends in education of emotionally and socially maladjusted children. Orientation to the dynamics, personality characteristics, and needs of these children. On demand.

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. 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. Admission to teacher education program. Prerequisites: SPED 2320, 2301, 2305.

3351 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. 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. Admission to teacher education program. Prerequisite: SPED 2320 and 2303 or 2301. 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. Admission to teacher education program. Prerequisite: SPED 2303.

4313 **MANAGING CLASSROOM BEHAVIOR** 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. 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. Admission to teacher education program and/or special education, elementary or early childhood education major. Fall, spring, summer.

SPECIAL TOPICS

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. Admission to teacher education program. Prerequisite: SPED 2312. On demand.

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. Admission to teacher education program. Prerequisite: SPED 2331.

4333 CURRICULUM FOR EXCEPTIONAL CHILDREN Through readings, lectures, and field experiences, students will be exposed to a range of curricular approaches for delivering knowledge and skills to diverse and handicapped learners. A required course for certification in the areas of mildly handicapped, moderately/profoundly handicapped, and seriously emotionally disturbed. Admission to teacher education program. Fall, spring, summer.

4334 READING FOR EXCEPTIONAL CHILDREN An in-depth course in diagnosing and remediating reading problems particular to the various handicapping conditions of exceptional children. Admission to teacher education program. Prerequisite: CHED 4352/5352 or approval of instructor. Fall, spring, summer.

4335 METHODS AND MATERIALS FOR THE SECONDARY LEVEL MILDLY HANDICAPPED This course is designed to introduce students to methods, materials, strategies, and intervention models that exist for the secondary age mildly handicapped student. Admission to teacher education program and field experience required. Prerequisite: SPED 2331. Fall, spring, summer.

4340 AFFECTIVE METHODS A required course for certification of teachers in the area of seriously emotionally disturbed K-12. The course was established for the preparation of students in the development and implementation of curricula designed to facilitate skills in the affective domain as a supplement to the academic curriculum. Admission to teacher education program. On demand.

4341 ADVANCED METHODS AND MATERIALS FOR THE MODERATELY/PROFOUNDLY HANDICAPPED A study of advanced, field validated methods currently considered best practices in providing services to students with moderate to profound handicaps. Admission to teacher education program. Prerequisite: SPED 4302/5352.

4342 **LIFE ADJUSTMENT FOR THE MODERATELY/PROFOUNDLY HANDICAPPED** To provide students with the knowledge and skills necessary to provide appropriate and quality services to individuals with moderate to profound handicaps during the adolescent and adult years. Course content will include functional curriculum development, community based instruction model, transitional planning, and employment and residential options. Admission to teacher education program. Prerequisite: SPED 4341/5341. Fall, summer.

4610-4611 **DIRECTED TEACHING - MILDLY HANDICAPPED K-12** Teaching under supervision in a special education classroom. Admission to teacher education and directed teaching. Prerequisite: completion of professional education courses. Fall, spring.

4612-4613 **DIRECTED TEACHING - SERIOUSLY EMOTIONALLY DISTURBED K-12** Teaching under supervision in a special education classroom. Admission to teacher education and directed teaching. Prerequisite: completion of professional education courses. Fall, spring.

4614-4615 **DIRECTED TEACHING - MODERATELY/PROFOUNDLY HANDICAPPED K-12** Teaching under supervision in a special education classroom. Admission to teacher education and directed teaching. Prerequisites: 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.

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PSYCHOLOGY AND COUNSELING

UCA Undergraduate Bulletin, 1998–2000

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FACULTY

Chair and Professor: Dr. Skotko, 450-3193
Professors: Dr. Glenn, Dr. Reese, Dr. B. Smith, Dr. Williams
Associate Professors: Dr. Bihm, Dr. Bramlett, Dr. Fielstein, Dr. Holmes, Dr. Lammers, Dr. Leonard, Dr. Scoles, Dr. T. Smith, Dr. Witcher
Assistant Professors: Dr. Murphy, Dr. Nelson, Dr. Obijekwu, Dr. Rowell
Instructors: Ms. Dielmann, Ms. Dobbs, Ms. Kelly

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 GPA 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) the general education requirements; (2) degree requirements; and (3) 31 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**

Major Requirements (36 hours)

Category I: Core (21 hours)

PSYC 1300 General Psychology
PSYC 2330 Statistics
PSYC 3332 Experimental
PSYC 3340 Experimental Psych Lab
PSYC 3351 Psychology of Learning
PSYC 4320 Abnormal Psychology
PSYC 3340 History and Systems of Psychology

Category II: Choose 3 hours

PSYC 2350 Sensation and Perception
PSYC 4325 Physiological Psychology
PSYC 3310 Psychophysiology

Category III: Choose 3 hours

PSYC 2370 Developmental Psychology
PSYC 3360 Social Psychology
PSYC 4300 Personality

Category IV: Choose 9 hours

PSYC 3331 Business/Industry
PSYC 3350 Psychology of Women
PSYC 4351 Behavior Modification
PSYC 4353 Practicum in Behavior Modification
PSYC 4380 Independent Readings
PSYC 4382 Independent Research
PSYC 4383 Workshop
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**

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 Bulletin*.

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. Prerequisite: 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. 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.

4390 PSYCHOLOGICAL TESTS AND MEASUREMENTS Theory and construction of tests, with concern for test selection and use. Prerequisite: PSYC 2330. On demand.

4395 SENIOR SEMINAR IN PSYCHOLOGY: AN INTERDISCIPLINARY APPROACH TO HUMAN ISSUES A survey of the literature related to the application of psychological principles within an interdisciplinary context. Prerequisite: consent of instructor. On demand.

4383 WORKSHOP IN PSYCHOLOGY Examination of current research in psychology with emphasis upon areas not covered in the undergraduate program. Variable course content. May be repeated for a maximum of six hours credit. Prerequisite: consent of instructor. On demand.

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NURSING

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Purposes
- Accreditation Status
- United States Army Partnership in Nursing Excellence
- Professional Program
- The Honors Program in Nursing
- Master's Degree
- Courses in Nursing

FACULTY

Chair and Professor: Dr. Williams, 450-3119
Professor: Dr. Bondy
Assistant Professors: Dr. DeLorenzo, Dr. Koenigseder, Dr. Lancaster, Dr. Stroman, Ms. Martin-Watson
Instructors: Ms. Crane, Ms. Enderlin, Ms. Gatto, Ms. Gordon, Ms. Hoffman, Ms. Jenkins, Ms. Lucy, Ms. Meaux, Ms. Sain

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

or 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, accredited by the National League for Nursing, and has been granted preliminary approval by the Commission on Collegiate Nursing Education.

UNITED STATES ARMY PARTNERSHIP IN NURSING EXCELLENCE

The Department of Nursing has been designated by the US Army as a Partner in Nursing Excellence, one of a few programs nation-wide to receive this distinction. For information regarding opportunities available through the US Army refer to the Military Science department in this bulletin or contact them at (501) 450-3145.

PROFESSIONAL PROGRAM

The professional program consists of a minimum of six 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.

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).

Articulation/Advanced Placement

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.

Admission to the Nursing Major

Admission to the undergraduate nursing program is selective and competitive. Preference is given to University of Central Arkansas pre-nursing students. Applications are due by March 1 for the following fall sophomore nursing class. One class is admitted each year. Applications are available each January and 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; (2) completion with a minimum grade of C of WRTG 1310 and 1320, MATH 1390, CHEM 1402 and 2450 or CHEM 1450 and 1451, BIOL 1400 or BIOL 1440 and 2405 or BIOL 2406 and 2407, PSYC 1300, SOC 1300, and FACS 1300; (3) successful completion of written evaluation; and (4) complete application. A more detailed list of criteria should be obtained from the department.

General Education and Related Major Requirements 74 hours

WRTG 1310 and 1320; ENGL 2305 or 2306; MATH 1390; PSYC 1300, FACS 2341 or PSYC 2370; PSYC 2330, PSCI 3312, SOC 2321, or MATH 2311; CHEM 1402 and 2450 or 1450 and 1451; BIOL 1400 or 1440, 2405 or 2406 and 2407, 2411, and 4311; SOC 1300; FACS 1300; HIST 1310 or 1320; PHIL 1301 or 2325; HIST 2301 or 2302 or PSCI 1330; MUS 2330, SPTA 2300 or ART 2300; SPTA 1300; KPED/H ED 1320; HIST 1310 or 1320 or ENGL 2305 or 2306 or PHIL 1320; and a 3-hour elective.

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 nursing course 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; FACS 2341 or PSYC 2370; PHIL 1301 or 2325; PSYC 2330, SOC 2321; MATH 2311; or PSCI 3312.

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 July: (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 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 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 GPA of 3.3 and a major GPA of 3.5. 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. If final GPA meets university requirements, this distinction is noted on the student's transcript and diploma. See catalog section Department Honors Programs for more information.

MASTER'S DEGREE

See *Graduate Bulletin*.

COURSES IN NURSING

2210 **HEALTH ASSESSMENT** Systematic biophysical and psychosocial health assessment. Admission to nursing major. Fall.

2310 **PHARMACOLOGIC BASES FOR NURSING** Theoretical knowledge and skills related to nursing responsibilities in pharmacologic therapy. 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. 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. 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: NURS 2510, NURS 3201, PHIL 2325 or 1301, FACS 2341 or PSYC 2370, BIOL 4311. Spring.

3501 **MATERNITY NURSING** Theory and laboratory experiences focus on nursing practice with childbearing families. Prerequisite: NURS 2510, 3201, PHIL 2325 or 1301, FACS 2341 or PSYC 2370. Pre- or corequisite: BIOL 4311. Fall.

3505 **PEDIATRIC NURSING** Theory and laboratory experiences focus on nursing practice with children and their families. Prerequisites: NURS 2510, NURS 3201, FACS 2341 or PSYC 2370, PHIL 2325 or 1301, BIOL 4311. Spring.

3510 **PSYCHIATRIC/MENTAL HEALTH NURSING** Theory and laboratory course that focuses on nursing and practices promoting the mental health of clients and their families. Prerequisites: NURS 2510, NURS 3201, PHIL 2325 or 1301, FACS 2341 or PSYC 2370. Pre- or corequisite: BIOL 4311. Fall.

4114, 4214 **SPECIAL STUDIES IN NURSING** Given on demand and varied to meet the needs of nursing students.

4210 **ADVANCED HEALTH ASSESSMENT** Theory and laboratory course focuses on advanced, comprehensive biophysical and psychosocial health assessments of clients across the life span. Prerequisite: all junior-level nursing courses, BIOL 4311. Fall.

4213 **RESEARCH IN NURSING** Knowledge and skills related to the utilization of basic research in nursing. Prerequisite: three clinical nursing courses and a basic statistics course of PSYC 2330, SOC 2321, MATH 2311, or PSCI 3312. Spring.

4220 **NURSING IN THE SOCIAL CONTEXT** Current issues and trends confronting nursing and health care delivery explored from sociopolitical, legal, ethical, and historical perspectives. Prerequisites: completion of all junior nursing courses. Fall.

4314 **HONORS IN NURSING** Senior honors course in nursing. Prerequisite: enrollment by invitation to participate. See catalog: Departmental Honors Programs. Fall.

4305 **GERIATRIC NURSING** Theory and laboratory course focuses on application of nursing process with older adults. Prerequisites: all junior nursing courses, NURS 4213. Fall.

4410 **NURSING MANAGEMENT OF CLIENTS** Theory and laboratory course focuses on nursing care of critically ill adults. Prerequisite: all junior nursing courses, NURS 4213. Fall.

4510 **COMMUNITY HEALTH NURSING** Theory and laboratory course focuses on the delivery of nursing services within the context of public health and community health. Prerequisite: all junior nursing courses and NURS 4213. Spring.

4515 **NURSING LEADERSHIP AND RESOURCE MANAGEMENT** Theory and laboratory course focuses on nursing leadership and management of client care in the health care system. Prerequisites: all junior nursing courses and NURS 4213. Spring.

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RECOGNITION OF ACADEMIC ACHIEVEMENT

UCA Undergraduate Bulletin, 1998–2000

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- Honors Programs
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RECOGNITION OF ACADEMIC ACHIEVEMENT

Presidential Scholars. A grade point average of 4.0 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 3.5 or higher 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.

Ranking Honor Graduate. A top graduating senior may be 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. Six students, one each from the six colleges, are named for intracollege service and achievement.

HONORS PROGRAMS

The University of Central Arkansas recognizes its responsibility to provide special opportunities for superior students. There exist three separate programs that can lead to a student being recognized as an honor graduate.

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 the invitation, a student must have at least a 3.0 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:

CATEGORY	GPA	
	MAJOR	OVERALL

Summa Cum Laude	3.5	4.000-3.850
Magna Cum Laude	3.5	3.849-3.700
Cum Laude	3.5	3.699-3.500
Distinction	3.4	3.499-3.250

Departments offering honors programs:

Accounting
Art
Biology
Chemistry
Curriculum and Instruction
Computer Science
Economics and Finance
English
Foreign Languages
Geography, Political, Science, Sociology
Health Science
History
Family and Consumer Sciences
Kinesiology and Physical Education
Marketing, Management and Information Systems
Mathematics
Music
Nursing
Occupational Therapy
Philosophy and Religion
Physical Therapy
Physics and Astronomy
Psychology and Counseling
Speech-Language Pathology
Speech, Theatre, and Mass Communication

University Honors

A student that does not choose to participate with departmental honors program can still be honored if the following grade point averages are achieved.

CATEGORY	OVERALL GPA
Summa Cum Laude	4.000
Magna Cum Laude	3.999-3.950
Cum Laude	3.949-3.900

(**Note:** Graduation with honors, departmental and university, requires a minimum of 62 hours in residence.)

Honors College

In addition to departmental honors, the university has an 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.

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 reinforce 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 based 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 Tau Delta, Sigma Theta Tau, Beta Gamma Sigma, Pi Kappa Delta, and Eta Sigma Gamma are representative national organizations.

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THE HONORS COLLEGE

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- Purposes
- General Information
- Honors Residence Hall
- Admission Requirements
- The Honors Program
    - The Honors Core: The Human Search
    - Fifteen-Hour Minor in Honors Interdisciplinary Studies
    - Honors College Graduation Requirements

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, and 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 banquets 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 based 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
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, 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 WRTG 1310 or humanities elective.
Honors Core II fulfills general education requirements for WRTG 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 MUS 2300.

Fifteen-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	3.5
High Honors	3.70-3.849	3.5
Honors	3.50-3.699	3.4
Distinction	3.25-3.499	3.2

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.

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MARKETING, MANAGEMENT, AND INFORMATION SYSTEMS

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Objectives
- Proficiency Credit and Advanced Placement
- Honors
- Baccalaureate Degrees
- Courses in Marketing
- Courses in Management
- Courses in Information Systems

FACULTY

Chair and Associate Professor: Dr. Bounds, 450-3149
Professors: Dr. Barr, Dr. Bradley, Dr. Grider, Dr. Griffin, Dr. Malley
Associate Professors: Dr. Cangelosi, Dr. Friedman, Dr. Markham, Dr. Moore
Assistant Professors: Dr. Gatlin-Watts, Dr. Holbrook, Dr. Kim, Dr. Ladd, Dr. Rubach
Instructor: Mr. Bartos

OBJECTIVES

The Department of Marketing, Management, and Information Systems offers major programs of study designed to prepare students for careers in

three key areas of business: marketing, management, and information systems. The marketing major provides a background for employment opportunities in promotion, retailing, sales, and marketing management. The management major develops decision-making, organizing, and interaction skills needed at all levels of administration. The information systems major cultivates proficiency in the use of information technologies by individuals and work groups. In order to provide a broad exposure to the discipline of business, the department also administers a major and minor in business administration.

PROFICIENCY CREDIT AND ADVANCED PLACEMENT

A maximum of three semester hours of proficiency and advanced placement credit may be earned toward the BBA degree by demonstrating competency with integrated software. Such applications would include, but are not limited to: word processing, spreadsheets, Internet applications, electronic mail and data base analysis. Arrangements for earning credit in this manner are to be made with the department chair and instructors of the affected 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.

HONORS

Seniors, with the consent of their advisor and the department chair, having a grade point average of at least 3.25, may participate in a program which, when successfully completed, will allow the student to graduate with honors in the appropriate major. The marketing major will be required to complete MKTG 4390, Special Problems in Marketing, the management major must complete MGMT 4390, Special Problems in Management, and the information systems major must satisfy the requirements of INFO 4390, Special Problems in Information Systems. In each case the student will complete a research paper based on individual study and written under the direction of a faculty member.

BACCALAUREATE DEGREES

Bachelor of Business Administration

Marketing: The degree of Bachelor of Business Administration with a major in marketing requires successful completion of 124 hours, including (1) the general education component; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) 11 hours of electives, at least 4 hours of which must be outside the College of Business Administration.

Major in Marketing **15 Hours**

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

Minor in Marketing **30 Hours**

ACCT 2310, 2311; ECON 1310, 2320, 2321, 2330; MKTG 3350; and 9 hours from upper-division marketing courses.

Management: The degree of Bachelor of Business Administration with a major in management requires successful completion of 124 hours including (1) the general education component; (2) the BBA foundation and core requirements; (3) the major requirements listed below; (4) 11 hours of electives, at least 4 hours of which must be outside the College of Business Administration.

Major in Management **15 Hours**

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

Minor in Management **30 Hours**

ACCT 2310, 2311; ECON 1310, 2320, 2321, 2330; MGMT 3340; and 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 124 hours, including (1) the general education component; (2) the BBA foundation and core requirements; (3) the major requirements listed below; (4) 11 hours of electives, at least 4 hours of which must be outside the College of Business Administration.

Major in Information Systems **15 Hours**

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

Minor in Information Systems **18 Hours**

INFO 1343, 3321, and 12 hours of information systems courses approved by the student's advisor.

Major in Business Administration **15 Hours**

The degree of Bachelor of Business Administration with a major in business administration requires successful completion of 124 hours, including (1) the general education component; (2) the BBA foundation and core requirements; and (3) at least 5 upper-division business courses total (courses must be in at least 2 different teaching areas); and (4) 11 hours of electives, at least 4 hours of which must be from non-business courses.

Minor in Business Administration **21 Hours**

The 21-hour minor in Business Administration requires the following:

Required courses:

ACCT 2310	Principles of Accounting I
ACCT 2311	Principles of Accounting II
ECON 1310	Modern Political Economy

ECON 2320 or 2321	Principles of Macroeconomics or Principles of Microeconomics

Three of the following (at least one must be an upper-division course):

INFO 1343	Information Processing & Analysis
ECON 2320 *or* 2321	Principles of Macroeconomics *or* Principles of Microeconomics (whichever one is not taken from the list of required courses)
FINA 2330	Personal Finance
MGMT 2300	Fundamentals of Entrepreneurship
MGMT 2341	Supervisory Management
MKTG 2350	Basic Marketing
ACCT 3321	Legal Environment of Business I
FINA 3324	Insurance
FINA 3323	Real Estate

Any other upper-division course for which the student has met the prerequisites.

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 MARKETING

2350 **BASIC MARKETING** Introduction to basic concepts in the field of marketing. Primary emphasis on marketing terminology and application of the marketing concept. Writing assignments focusing on contemporary marketing literature required. Not open to students enrolled in the BBA program. Will not count toward a major in marketing. Fall, spring.

3350 **MANAGING CUSTOMERS AND MARKETS** Marketing functions, institutions, and terminology, including product, pricing, distribution, promotion, and strategy decisions. Prerequisite: ACCT 2310, 2311; ECON 2320, 2321, 2330. Fall, spring.

4320 **SELECTED TOPICS IN MARKETING** Research into selected topics in marketing. Emphasis on topics not included in other marketing courses. Prerequisite: MKTG 3350. On demand.

4352 **RETAILING** Organization and management of retail establishments; store locations, buying, 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 required. 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 instructor. 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 instructor. Fall.

4361 MARKETING PLANNING FOR HEALTH CARE ORGANIZATIONS 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 instructor. 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 Survey of principles and philosophies of public relations approaches used as management tools. Analysis of methods employed by profit and nonprofit organizations relating to stockholders, prospective investors, employees, communities, customers, and government agencies. Group project required. Prerequisite: MKTG 3350. Spring.

4390 SPECIAL PROBLEMS IN MARKETING Prerequisite: consent of department chair.

COURSES IN MANAGEMENT

2300 FUNDAMENTALS OF ENTREPRENEURSHIP Provides a foundation of knowledge and tools necessary to successfully plan, design, and start a new business venture and to reduce or avoid many of the problems encountered by such ventures. Fall, spring.

2341 SUPERVISORY MANAGEMENT Examines responsibilities of the first line supervisor; including development of techniques and skills such as employee communication, decision-making, maintenance of morale, motivation, leadership, worker productivity, and grievance resolution. Not open to students enrolled in the BBA degree program. Will not count toward a major in management unless approved by department chair. On demand.

3300 LABOR/MANAGEMENT RELATIONS Comparative labor movements, the organization and operation of the labor market, industrial relations and collective bargaining, issues of economic security, and public policy toward labor practices. Prerequisite: ECON 2320 and 2321. On demand.

3340 MANAGING PEOPLE AND WORK Introduction to policies, organizational behavior, and theories and practices used by managers to reach objectives. Development of a philosophy of management. Prerequisite: ACCT 2310, 2311; ECON 2320, 2321, 2330. Fall, spring.

3344 MANAGING PRODUCTION AND OPERATIONS Conceptual and analytical examination of the strategic, functional, and operational decisions made as a part of an organization's production/operations function. Prerequisite: ACCT 2310, 2311; ECON 2320, 2321, 2330. Fall, spring.

4320 SELECTED TOPICS IN MANAGEMENT Research into selected topics in Management. Emphasis on topics not included in other management courses. Prerequisite: MGMT 3340. On demand.

4341 QUANTITATIVE METHODS IN MANAGEMENT Emphasis on developing an understanding of various quantitative aids to decision making, such as review of probability, linear programming, queuing theory, simulation techniques, network analysis, and Markov analysis. Prerequisite: ECON 2330 and MGMT 3340. Spring.

4342 INTERNATIONAL BUSINESS A study of foreign operations of American firms. Emphasis on the various environments, theories, and institutions in international trade, the strategies of multinationals, and the functional areas of managing international operations. Prerequisite: MGMT 3340, MKTG 3350, FINA 3330. On demand.

4345 PERSONNEL/HUMAN RESOURCE MANAGEMENT Role of personnel/human resource management in organizations with emphasis on selecting, developing, and compensating the organization's human resource. Prerequisite: MGMT 3340. Fall, spring.

4347 MANAGING POLICY AND STRATEGY Review of the basic organizational functions with 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: FINA 3330, MGMT 3340, MGMT 3344, and MKTG 3350. Fall, spring.

4348 ADVANCED ORGANIZATIONAL BEHAVIOR Study of individual human behavior, group dynamics, and team building in an organizational environment. Impact of interpersonal relations on worker productivity and job satisfaction. Prerequisite: MGMT 3340. Fall, spring.

4349 SMALL BUSINESS MANAGEMENT Supplements management theory by providing practical experience in the determination and solution of actual business problems. Small Business Institute cases prepared. Prerequisite: consent of instructor. Fall.

4350 COMPENSATION ADMINISTRATION Examination of the design and administration of compensation systems. Considers general pay-level determinants, job evaluation, wage/salary surveys, monetary incentives, gain-sharing programs, fringe benefit and pension plans, government regulation of pay structures, and contemporary compensation issues. Prerequisite: MGMT 3340. Fall.

4351 CONTEMPORARY ISSUES IN HUMAN RESOURCE MANAGEMENT Analysis of issues of current importance to human resource managers through practical cases and applications. Focuses on methods used to maximize effectiveness and equity of human resource activities and identifies complementary policies and programs necessary for implementing such activities. Emphasizes linking of human resource management to the strategic management of the organization. Prerequisite: MGMT 4345. Spring.

4352 PURCHASING AND MATERIALS MANAGEMENT Processes and problems involved in acquiring and controlling materials and services. Includes source selection, inventory management, competitive bids and negotiations, and measuring purchasing performance. Prerequisite: MGMT 3340 and MKTG 3350. On demand.

4390 SPECIAL PROBLEMS IN MANAGEMENT Prerequisite: consent of department chair.

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.

1343 INFORMATION PROCESSING AND ANALYSIS Develops competency in the use of integrated software in manipulating data used in the decision-making process. Includes, but is not limited to, applications in word processing, spreadsheets, Internet, electronic mail, and data base analysis. Prerequisite: knowledge of the keyboard. Fall, spring.

2322 INTRODUCTION TO MINICOMPUTERS Emphasis will be placed on the use of the IBM AS/400 in mid-range computing. 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 BUSINESS TELECOMMUNICATIONS An introduction to telecommunication standards and networking options available to organizations. Prerequisite: INFO 3321. Fall, spring.

3310 FILE PROCESSING APPLICATIONS WITH COBOL File (sequential, index sequential, and direct) organization and processing, table handling (1, 2, and 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: INFO 1343. 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.

3361 BUSINESS COMMUNICATIONS Effective use and presentation of oral, written, and electronic information in a business setting. Prerequisite: INFO 1343. Fall, spring.

3364 ADVANCED INFORMATION PROCESSING Advanced information processing skills, knowledge, and abilities. Prerequisite: INFO 1343. Spring.

3365 INFORMATION AND RECORDS MANAGEMENT Utilizes a systems approach to managing manual and electronic records and a relational database as the primary source of recordkeeping. Prerequisite: INFO 3321. Fall.

4329 DATA BASE MANAGEMENT SYSTEMS Methods of data base analysis, design and implementation. Entity-relationship diagrams, data dictionaries, data communications, and data administration. Using DBMS on microcomputers and minicomputers. Prerequisite: INFO 2328, 3321. Fall, spring.

4339 COMPUTER APPLICATIONS IN BUSINESS Modeling, simulation, and other quantitative methods common to business applications used in a data processing environment utilizing software packages and student written programs. Prerequisite: INFO 3321. Fall, spring.

4350 INFORMATION SYSTEMS TECHNOLOGY A capstone learning experience using and building on concepts acquired in prerequisite courses. Expands the knowledge base and builds upon the concepts and applications of rapidly-changing technologies used to support business functions. Prerequisite: INFO 3321. On demand.

4362 ADMINISTRATIVE INFORMATION MANAGEMENT Provides tools for managing the technology and human resources of the organization's information center. Prerequisite: INFO 3321. Spring.

4390 SPECIAL PROBLEMS IN INFORMATION SYSTEMS Prerequisite: consent of department chair.

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COLLEGE OF FINE ARTS AND COMMUNICATION

UCA Undergraduate Bulletin, 1998–2000

Go to one of the departments/programs in the College of Fine Arts and Communication.

- Art
- Music
- Pre-Architecture and Pre-Landscape Architecture
- Speech, Theatre, and Mass Communication
- Writing Program

Browse the document or jump directly to one of the listed sections.

- Deans
- Mission
- Departments
- Programs with Departmental Honors
- Degrees Offered

DEANS

Dean and Professor: Dr. Robert Everding, 450-3293
Assistant Dean & Assistant Professor: Mr. Gilbert Baker

MISSION

The College of Fine Arts and Communication seeks to be Arkansas's preeminent provider of undergraduate education in the arts as well as to offer excellent graduate programs in selected disciplines. The college's primary mission is the preparation of the next generation of artists, educators, and communicators. To this end, it provides quality classroom instruction and rigorous studio practice in art, journalism, music, speech, telecommunications, theatre, and writing. The college is committed to fostering a personal, creative environment in which students learn from mentors as they mutually explore the nature of the aesthetic experience and thereby contribute to a deeper appreciation of the human experience. The college is also dedicated to providing public artistic and educational experiences that enhance and expand the cultural lives of all Arkansans.

To accomplish its mission over time and under changing conditions, the college:

- Creates a learning community that is dedicated to the artistic, communicative, and personal development of the individual and that prizes the artist's voice and vision.
- Delivers curricula that blends the best of past knowledge with the most provocative of current theory in order to prepare students to contribute to the development of the arts, media, and education.
- Maintains a quality faculty that demonstrates excellence both in the classroom and in creative/scholarly pursuits.
- Provides optimal facilities and resources to support a dynamic learning environment.
- Presents--as an extension of its teaching mission--public performances, educational initiatives, and special programs that address the cultural and education needs of all Arkansans.

DEPARTMENTS

Art
Music
Speech, Theatre, and Mass Communication
Writing Program

PROGRAMS WITH DEPARTMENTAL HONORS

Art
Mass Communication
Music
Speech
Theatre

DEGREES OFFERED

Bachelor of Arts

Art (emphases in fine arts, art education, or art history)
Mass Communication (emphases in journalism or telecommunications)
Speech and Theatre (emphases in speech communication, public relations, or theatre)

Bachelor of Fine Arts

Studio Art (emphases in ceramics, illustration or graphic design, painting, printmaking, or sculpture)

Bachelor of Music

Performance
Music Education (emphases in choral or instrumental)

Bachelor of Science

Mass Communication (emphases in journalism or telecommunication)
Speech and Theatre (emphases in public relations, speech

communication or theatre)

Bachelor of Science in Education

Journalism
Speech and Theatre

Pre-Professional Studies

Pre-Architecture
Pre-Landscape Architecture

Master of Music

See *Graduate Bulletin*.

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PRE-ARCHITECTURE AND PRE-LANDSCAPE ARCHITECTURE

UCA Undergraduate Bulletin, 1998–2000

Browse the document or jump directly to one of the listed sections.

- Advisor
- General Information
- Recommended Core Courses
- Recommended Elective Courses
- Admission
- Advancement

ADVISOR

Advisor: Ms. Lyn Brands Wallace, Assistant Professor of Art, Department of Art, 450-5790

GENERAL INFORMATION

The pre-architecture program at the University of Central Arkansas consists of selected courses that meet requirements of the School of Architecture of the University of Arkansas at Fayetteville and other accredited schools. Required courses may vary from school to school, so information about the requirements of the school that the student expects to attend is essential before enrolling in the pre-architecture program at UCA.

An architecture degree from an accredited architecture school usually

requires a minimum of four years of professional courses beyond the pre-architecture experience.

Pre-architecture and pre-landscape architecture students in this college should select a program from these courses:

Architecture Emphasis

WRTG 1310, 1320; MATH 1392; HIST, 2301, 2302 or PSCI 1330.

Landscape Architecture Emphasis

WRTG 1310, 1320; MATH 1390, 1392; SOC 1300; HIST 2301, 2302, or PSCI 1330.

RECOMMENDED CORE COURSES

Physical Science - 8 hours (PHYS 1400 highly recommended for architecture majors and BIOL 1400 for landscape architecture majors).

Fine Arts/Humanities - 6 hours from State Minimum Core.

Social Sciences - 9 hours from State Minimum Core.

RECOMMENDED ELECTIVE COURSES

Recommended Elective courses - maximum 15 hours for architecture majors and 11 for landscape architecture: ART 1310, 1321, 2312, 2335, or 2336, and 3353. Before selecting elective courses the student should investigate the requirements of the school to be attended after completion of work at the University of Central Arkansas.

ADMISSION

Enrollment in the pre-architecture and pre-landscape architecture program is limited to students meeting minimum requirements of: Writing ACT of 19 and above or UNIV 1300; Reading ACT of 19 and above or UNIV 1301; Math ACT of 19 and above or UNIV 1340.

ADVANCEMENT

Completion of the pre-architecture and pre-landscape architecture programs requires a minimum of 24 semester hours. Pre-architecture students who transfer to the University of Arkansas must complete ENVD 1211, 1221, 1015, and 1025. These courses are offered during summer sessions at UAF, and completion of these courses will allow students to be considered for acceptance into the professional program in the following fall. To be competitive for admission to either of the professional programs at UAF, it is highly recommended that a 3.0 grade point average be achieved. No grade lower than C will be acceptable for transfer.

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SPEECH, THEATRE, and MASS COMMUNICATION

UCA Undergraduate Bulletin, 1998–2000

Browse the document or jump directly to one of the listed sections.

- Faculty
- Mission
- Purposes
- Programs
- Facilities
- The Honors Program in Speech, Theatre, and Mass Communication
- Pre-Professional Courses
- Baccalaureate Degrees
- Courses in Speech Communication and Theatre
- Courses in Mass Communication

FACULTY

Chair and Associate Professor: Dr. Willenbrink, 450-3162
Professors: Dr. Everding, Dr. Roden, Dr. Smith
Assistant Professors: Dr. Beach, Dr. Blakey, Mr. Dumas, Dr. Worthington, Dr. Young
Lecturers: Ms. Bernum, Mr. Lar, Ms. Theiman
Instructors: Ms. Hamilton, Ms. Walter

MISSION

The Department of Speech, Theatre, and Mass Communication seeks to

be Arkansas's preeminent provider of undergraduate education in speech, theatre, journalism, and telecommunications. The department's primary mission is the preparation of the next generation of communicators, theatre artists, writers, and broadcast professionals. To this end, it provides quality classroom instruction, rigorous studio training, and practical experiences in speech, theatre, telecommunications, and journalism. The department is committed to fostering a personal, creative environment in which students learn from mentors as they mutually explore the nature of the mass media and aesthetic experience, thereby contributing to a deeper appreciation of the human experience. The department also provides broadcast, print, and artistic experiences that expand and enhance the cultural lives of the people of Arkansas.

To accomplish its mission, the department

1. Creates an intellectual community dedicated to free speech and the professional development of the individual student as communicator and audience.
2. Creates an artistic community that is dedicated to the artistic and personal development of the individual student and that prizes the artist's and communicator's unique voice and vision.
3. Delivers curricula that allows students to
    - develop an appreciation of and theoretical foundation for the study and practice of speech, theatre, journalism and telecommunications,
    - understand historical perspectives and contemporary practices in the disciplines,
    - improve their skills,
    - develop ethical and aesthetic standards, and
    - contribute to the future development of speech, theatre, and mass communication.
4. Maintains a quality faculty of educators and artists who demonstrate excellence in the classroom and in their creative and scholarly pursuits.
5. Provides optimal facilities and resources to support a dynamic learning environment.
6. Presents public performances, broadcasts, publications, and

education initiatives that address the cultural and educational needs of Arkansans.

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.

PROGRAMS

The department offers majors in speech and theatre and in mass communication with the Bachelor of Arts or Bachelor of Science degrees. Emphases in speech communication, public relations or theatre are available in the speech and theatre major. Emphases in either journalism or telecommunications are available in the mass communication major. Bachelor of Science in Education degrees are available in speech and theatre and journalism. Minor programs in speech, theatre and mass communication are also offered.

Students seeking the baccalaureate degree in mass communication (telecommunications or journalism emphasis) or in speech and theatre (speech communication or theatre emphasis) must complete 40 semester hours. Students seeking the baccalaureate degree in the speech-public relations emphasis must complete 44 semester hours. In all degree programs students must complete 12 hours of upper-division credit. Additionally, a grade of C or better in each departmental and interdisciplinary lower division core course and in WRTG 1310 and 1320 must be earned before enrolling in upper-division courses. Individual degree plans must be approved by the faculty advisor. A minor in the department requires 26 hours, with a minimum of six upper-division hours.

Students majoring or minoring in speech, theatre, or mass communication will also successfully complete application courses as specified by the emphasis program. Students enrolling in application courses or in

programs sponsored by the department must, in addition to meeting standards of performance, be in good academic standing in the university. Students majoring or minoring in the department may count a course only once as a requirement or elective.

Incoming freshmen who declare majors in the department must enroll in the 1000-level practicum course during their first semester.

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 university 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. New, state-of-the-art facilities will be available with the completion of the mass communication building. Theaters include a 300-seat proscenium theatre, a 150-seat laboratory theatre, and a well-equipped technical area. The new Reynolds Performance Hall, a 1,200-seat proscenium theatre, will be completed in 1999.

THE HONORS PROGRAM IN SPEECH, THEATRE, AND MASS COMMUNICATION

A student may be invited by the faculty of the department to enter the honors program in the first semester of the senior year. To earn departmental honors, the student must major in one of the emphasis areas of the Department of Speech, Theatre, and Mass Communication, and enroll in SPTA 4370. In addition, the student will submit a final project

paper or performance no later than February 1 for spring graduation, October 1 for fall graduation, or June 1 for summer graduation.

PRE-PROFESSIONAL COURSES

In addition to course work in the major area, the department offers students the opportunity to participate in pre-professional courses that are designed to provide the student with study, research, and professional experiences beyond the departmental courses. These pre-professional courses are: SPTA 3221, 3321, Communication Internship; SPTA 4367, Field Experience in Communication; MCOM 3122, 3222, 3322, Directed Study in Communication. Credit for honors study and pre-professional courses is not included in the 40-hour major, nor does it count toward the 12 hours of upper-division credit in the department.

BACCALAUREATE DEGREES

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 require the successful completion of 124 hours, including (1) the general education component; (2) specific degree requirements; (3) a major as described below; and (4) a minor as arranged through the student's minor advisor.

Major **40 Hours**

Speech Communication Emphasis **40 Hours**

In addition to university requirements, students will be required to take SPTA 1310, SPTA 1370, SPTA 2302 or 3312, SPTA 2310 or 2311, 2315, SPTA 2341, SPTA 2380, SPTA 3301 or 3307, SPTA 4301, and 9 hours of electives from SPTA 1131, SPTA 2302, SPTA 2310, SPTA 2311, SPTA 3300, SPTA 3301, SPTA 3303, SPTA 3307, SPTA 3312, SPTA 3305, SPTA 3392, SPTA 4311, SPTA 4316. In addition students are required to complete at least four one-hour courses in forensics at the appropriate

level.

Public Relations Emphasis **44 Hours**

In addition to university requirements, students will be required to take 15 hours of core courses: SPTA 1310, SPTA 3301, MCOM 2300, MCOM 3305 and MCOM 3310. Students are required to take the following courses in theory and research (9 hours): SPTA 2315, SPTA 3312, MCOM 3307; 12 hours of communication skills from the following courses: SPTA 2310, or 2311, SPTA 2341, SPTA 3303, SPTA 3305, SPTA 3307, SPTA 4301, and SPTA 4316. Students are required to complete 6 hours of mass communication courses from the following: MCOM 1300, MCOM 1362, MCOM 2366. In addition to these courses, students are required to complete at least two 1-hour courses in forensics at the appropriate level and complete an internship or co-operative field experience.

Theatre Emphasis **40 Hours**

In addition to university requirements, students will be required to take SPTA 1350, SPTA 1370, SPTA 2331, SPTA 2390, SPTA 3324, SPTA 3325, SPTA 3332 or 4321, SPTA 4320, and SPTA 4340. Students will complete nine hours of electives from SPTA 2320, SPTA 2332, SPTA 2380, SPTA 3300 or SPTA 3392, SPTA 3332, SPTA 3391, SPTA 4315, SPTA 4321, SPTA 4322. In addition to these courses, students are required to complete at least four 1-hour courses in theatre production and performance at the appropriate level.

Bachelor of Arts/Bachelor of Science in Mass Communication

The degrees of Bachelor of Arts or Bachelor of Science in mass communication with an emphasis in journalism or telecommunications require the successful completion of 124 hours, including (1) the general education component; (2) specific degree requirements; (3) a common program core of MCOM 1300, MCOM 1362, MCOM 2300, and MCOM 3301; (4) a major as described below; and (5) a minor as arranged through the student's minor advisor.

Major **40 Hours**

Journalism Emphasis

In addition to university requirements and the program core 12 hours, students will take MCOM 2305 and MCOM 3300. Students will complete 18 hours of electives from MCOM 2301, MCOM 2302, SPTA 2332, MCOM 2334, MCOM 3305, MCOM 3307, MCOM 3310, MCOM 3365, MCOM 4313, MCOM 4323, MCOM 4331, MCOM 4333. In addition to these courses, students are required to complete a minimum of four 1-hour courses in print media applications at the appropriate level.

Telecommunications Emphasis **40 Hours**

In addition to university requirements and the program core 12 hours, students will take MCOM 1363, MCOM 2366, and MCOM 3365. Students will complete 15 hours of electives from MCOM 2301, MCOM 2302, MCOM 2305, SPTA 2331 (or SPTA 3332), SPTA 2332, MCOM 3307, MCOM 3363, MCOM 3364, MCOM 4313, MCOM 4315, MCOM 4323. In addition to these courses, students are required to complete a minimum of four 1-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, SPTA 1370, and SPTA 2310 and at least 2 hours of forensics. The remaining 15 hours are to be selected in consultation with a departmental advisor 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 2 hours of theatre production and performance. The remaining 12 hours are to be selected in consultation with a departmental advisor 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, MCOM 1362, and MCOM 3301 and at least 2 hours of credit in print media applications or electronic media applications. The remaining 12 hours are to be selected in consultation with a departmental advisor from courses listed under the emphasis areas of journalism or telecommunications.

Major/Minor Policy

Students who elect to major in one of the emphasis areas of speech, theatre, or mass communication may also elect to minor in the other degree program. For example, a student who majors in speech and theatre with an emphasis in theatre may elect to minor in mass communication. Students who choose this option must select a minor advisor from the appropriate minor program. Students to major in speech-public relations may not minor in speech or mass communication. Additionally, common course work from degree programs may not be used to satisfy more than one requirement.

Bachelor of Science in Education in Speech and Theatre

Major **40 Hours**

In addition to university and Arkansas teacher certification requirements, the BSE in speech and theatre requires the successful completion of a departmental core 25 hours: SPTA 1310, 1350, 1370, 2302, 4320, 4360, MCOM 1300, and 4 hours of application courses (2 in speech and 2 in theatre). Additionally, students are required to take 3 hours of interpretation (SPTA 2380, SPTA 3300, or SPTA 3392); 3 hours of acting (either SPTA 2390 or SPTA 3391); 3 hours of technical theatre (SPTA 2331, SPTA 3332, or SPTA 4340) and 3 hours of theatre history (SPTA 3324 or SPTA 3325). Three hours of electives are to be selected to complete the 40-hour departmental major. Twelve hours in the major must be upper-division hours.

Students seeking teaching endorsements in speech and theatre should consult their advisors.

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 3 hours of electives.

Minor **26 Hours**

The student seeking a BSE journalism minor must complete MCOM 1300, 2300, 3300, 3301, 3304, and 4350, and 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 1-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 **FORENSICS** Practical experience in speech. May include participation in competitive forensics and a variety of local speaking events. Each level may be repeated for a total of 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 2 hours credit each. Fall, spring, summer.

1131 **PARLIAMENTARY PROCEDURE** Basic elements of managing effective meetings using parliamentary procedure. Leadership and participation in group meetings in ordinary situations of daily life. Practical application course for anyone involved in running group meetings on- or off-campus. 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 **PUBLIC SPEAKING** Introduction to effective presentational speaking in informative, persuasive and special occasion contexts. 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 DICTION** 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 applications requiring the use of elements of critical thinking including evidence and reasoning. Communication contexts ranging from speeches of advocacy to formal debate. Prerequisite: SPTA 1300 or 1310. Fall, even years.

2310 **ADVANCED PUBLIC ADDRESS** An applied course aimed at developing a level of excellence in different types of public speaking. Includes analysis of subjects, selection and arrangement of materials, audience adaptation, and oral style in a variety of speaking situations. Prerequisite: SPTA 1300 or 1310. On demand.

2311 **BUSINESS AND PROFESSIONAL SPEAKING** An applied course aimed at developing a level of excellence in 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. This course is both theory and performance based, and students will make several presentations. Prerequisite: SPTA 1300 or 1310. Spring, even years.

2315 **COMMUNICATION THEORY AND RESEARCH** Experimental and behavioral methodologies of communication research and theory development. Students will become acquainted with research methods and reporting by engaging in elementary experimental communication research methods. Prerequisite: SPTA 1300 or 1310. Spring, odd 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.

2332 **HISTORY OF THE CINEMA** History of filmmaking from the first laboratory experiments of the movies to the nineties. Movie greats such as Valentino, Chaplin, and Garbo are seen in the art, and directors such as Griffin and DeMille are analyzed and studied. Spring, even years.

2341 **SMALL GROUP COMMUNICATION** Learning how to work effectively in groups. The dynamics of cooperative communication situations and skills associated with interpersonal relations and group goal achievement. Special emphasis on critical thinking, decision making, and problem solving. Prerequisite: SPTA 1300 or 1310. Fall, odd years.

2380 **ORAL INTERPRETATION** Appreciation and oral communication of the emotional and intellectual content of literature by the performance of prose, poetry, and dramatic material. Fall.

2390 **ACTING I** An introduction to the physical, intellectual, and emotional aspects of acting, including basic movement, script analysis, and characterization techniques. Spring.

3300 **GROUP PERFORMANCE OF LITERATURE** Factual, narrative, and dramatic prose and types of poetry for effective oral reading in group interpretation and reader's theatre. Prerequisite: SPTA 2380 or consent of instructor. Spring, odd years.

3301 **ORGANIZATIONAL COMMUNICATION** Insight into traditional and modern concepts of channels of communication in simple and complex organizations. Emphasis on informal and formal group dynamics, interpersonal relationships, leadership, communication theory, and creativity. Prerequisite: SPTA 1300 or 1310 or consent of instructor. Fall, even years.

3303 **GENDER COMMUNICATION** Focus on gender differences in communication. Elements of language, cultural perspective, gender attitudes, and communication process and outcomes in theory and practice. Prerequisite: SPTA 1300 or 1310 or consent of instructor. Spring.

3305 **NONVERBAL COMMUNICATION** Elements of facial expression, body movement and posture, symbols, and other forms of nonverbal expression. Examination of how nonverbal communication impacts our overall communication effectiveness. Prerequisite: SPTA 1300 or 1310 or consent of instructor. On demand.

3307 **INTERPERSONAL COMMUNICATION** Investigates major theories and research about communicating with others. Focus on choices and consequences in communication. Students will develop and improve interpersonal skills as applied to their personal and professional lives. Prerequisite: SPTA 1300 or consent of instructor. Fall, odd years.

3221-3321 **COMMUNICATIONS INTERNSHIP** Emphasizes print and broadcast journalism performed for the mass media, theatre production work performed for independent production companies, and speech communication applied for agencies outside the university. Interns are supervised by department faculty. The internship also applies to students seeking on-the-job experience in public relations. Credit is not included for the major 40 hours, nor does it satisfy the departmental 12 hours in upper-division. Prerequisite: consent of department chair. On demand.

3312 **PERSUASION** Recent research and techniques in persuasion in rhetoric, social psychology, advertising, public opinion, and evidence in relation to attitude change. Prerequisite: SPTA 1300 or 1310 or consent of instructor. Fall, 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.

3332 **STAGE LIGHTING** Stage lighting design and its role in theatre, film, and TV production is examined, including types of instruments, lamps, color media, control devices, and history. Laboratory work in UCA theatre productions is offered. Prerequisite: SPTA 2331 or consent of instructor. Spring, even years.

3391 **ACTING II** Conventions and techniques of various periods and styles of acting. Prerequisite: SPTA 2390 or consent of instructor. Fall.

3392 **ETHNIC LITERATURE INTERPRETATION** Research and performance of literature from various ethnic groups using oral interpretation to suggest intellectual, emotional and sensory experiences inherent in the literature. Spring, even years.

4301 **ADVANCED SMALL GROUP COMMUNICATION** Focuses on critical thinking and reflective thinking problem-solving agendas. The course is designed to expand students' knowledge of the concepts and theories of group communication. Emphasis is placed on the task, leadership, and interpersonal skills of group participants. Students will work on a professional, senior-level project. Prerequisite: SPTA 2341 or consent of instructor. Spring.

4311 **RHETORIC** Principal rhetorical theories from ancient to modern times. Application of these theories to the analysis of texts throughout history as well as modern social movements, mass communication, etc. Prerequisite: SPTA 1300. On demand.

4315 **TOPICS IN PERFORMANCE** In-depth studies in selected theories and methods of performance such as musical theatre, Elizabethan theatre, children's theatre, and experimental theatre. May be repeated for credit up to 6 hours. Content changes on demand. See semester schedules for description of content. Prerequisite: SPTA 1350, SPTA 2390. On demand.

4316 **SPECIAL TOPICS IN COMMUNICATION** In-depth study of specialized areas of communication studies. Various topics offered on a rotating basis to cover important communication topics not part of the regular course offerings. Prerequisite: SPTA 1300. On demand.

4320 **PLAY DIRECTING** Selection, casting, and rehearsal of plays. Students will be required to direct one-act plays. Prerequisite: SPTA 2390 or consent of instructor. Fall.

4321 **TOPICS IN TECHNICAL THEATRE** In-depth studies in selected theory and practice of technical theatre such as sound reinforcement and design, advanced make-up design, costume design, and scenic painting and decoration. May be repeated up to 6 hours. Content changes on demand. See semester schedules for description of content. Prerequisite: SPTA 1350, SPTA 2331. On demand.

4322 **THEATRE WORKSHOP** Advanced training in directorial methods and organization, performance techniques, and experimental theatre practices. Summer only.

4340 **SCENE DESIGN** Theories and styles of scenic design and their application to the individual play. Prerequisite: SPTA 2331 or consent of instructor. Spring, odd years.

4360-5360 **DIRECTING FORENSIC ACTIVITIES** Preparing materials for the school forensic program. Consideration is given to both the curricular and co-curricular programs. (Offered to the teacher candidate.) On demand.

4367 **FIELD EXPERIENCE IN COMMUNICATION** Field experience in mass communication, theatre, or speech communication. Credit is not included for the major 40 hours, nor does it satisfy the departmental twelve hours in upper-division. Prerequisite: senior standing and consent of department chair. On demand.

4370 **SPECIAL PROBLEMS** Limited to juniors or seniors in either major or minor program for individual study. Credit is not included for the major 40 hours, nor does it satisfy the departmental 12 hours in upper-division. May be used for honors studies. Prerequisite: consent of department chair only. On demand.

COURSES IN MASS COMMUNICATION

1121-4121 **PRINT MEDIA APPLICATIONS** Laboratory practice and experience in producing the student newspaper or yearbook. Each level may be repeated for a total of 2 hours credit each. Fall, spring.

1123-4123 **ELECTRONIC MEDIA APPLICATIONS** Practical experience working in the studios of KUCA-FM or Channel 6 TV as a staff member. Each level may be repeated for a total of 2 hours credit each. Fall, spring, summer.

1300 **INTRODUCTION TO MASS MEDIA** Historical and modern relationships between mass media and society and various theories of mass communication. Fall, spring.

1362 **TELECOMMUNICATION PRACTICES AND PROCESSES** This course provides a foundation for more advanced courses in electronic media production, broadcast management and mass communication theory and research. Emphasis on telecommunication terminology and history, production theory and practice. Prerequisite: MCOM 1300. Fall, spring.

1363 **AUDIO PRODUCTION** Basic audio production techniques. Attention will be given to audio systems, consoles, tape equipment, and audio processing equipment. Prerequisite: SPTA 1362. Fall.

2300 **BEGINNING REPORTING AND EDITING** News gathering and reporting skills. Involves writing and editing of various types of news stories for publication. Prerequisite: WRTG 1320. Fall, spring.

2301 **BROADCAST ANNOUNCING** Training in vocal techniques needed in radio and TV announcing, including work with IPA as a means of voice improvement, are emphasized. Attention is given to types of announcing careers with an audition tape being prepared for the career opportunities ahead. Spring.

2302 **MEDIA HISTORY** Concentrated study of the development of American mass media from the colonial period to the present. Spring, even years.

2305 **BASIC PRESS PHOTOGRAPHY** Beginning course in theoretical and applied aspects of photojournalism. Includes study of cameras and basic photographic techniques, with an emphasis on black and white darkroom procedures. Assignments will cover making newsworthy and feature photographs for publication. Students will also learn the legal aspects of photojournalism, including libel, privacy, and copyright law. Students must provide an adjustable 35 mm or larger camera. Fall.

2334 **NON-FICTION WRITING** This course combines the skills of feature and magazine writing and looks at writing the in-depth article. The course includes the skills of researching, writing, and marketing the article. Prerequisite: MCOM 2300. Spring.

2366 INTRODUCTION TO TELEVISION STUDIO PRODUCTION Techniques of television studio production, terminology, and operation of television studio equipment: camera, lenses, video switching, lighting, and electronic graphics. Prerequisite: MCOM 1362. Fall, spring.

3122, 3222, 3322 DIRECTED STUDY IN COMMUNICATION Involves concentrated study of a topic or topics to be determined by individual student need. Prerequisite: consent of instructor. On demand.

3300 ADVANCED REPORTING AND EDITING 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 in media careers. Prerequisite: MCOM 1300 or consent of instructor. Fall.

3305 PUBLICATION DESIGN AND MAKEUP Use of type faces, photographs, desktop publishing software, 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.

3307 MEDIA THEORY AND RESEARCH Theories concerning the effects of mass media and media-related research techniques, findings, and criticism. 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.

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). Spring.

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

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.

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 **IN-DEPTH AND COMPUTER-AIDED 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 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.

NOTE: **COMMUNICATION INTERNSHIP** See SPTA 3221, 3321.
FIELD EXPERIENCE IN COMMUNICATION See SPTA 4367.
SPECIAL PROBLEMS See SPTA 4370.

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WRITING PROGRAM

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Purposes
- Resources
- Courses in Writing

FACULTY

Director and Associate Professor: Dr. Harvey, 450-3344
Associate Professors: Dr. Morgan, Mr. Wright
Assistant Professors: Dr. Burley, Dr. Jeffery, Dr. Roche, Dr. Selting, Dr. Vanderslice
Lecturer: Dr. Wu
Instructors: Ms. Anderson, Mr. Gifford, Mr. Hankiewicz, Dr. Lance, Ms. Mongno, Ms. Patterson, Dr. Stengel

PURPOSES

The University Writing Program offers the general education courses in college writing; supports the university's efforts to stress writing and thinking skills across the curriculum; and offers upper-division courses in applied writing topics such as professional, creative, and academic writing and courses in composition, linguistics, and rhetorical theory. Students must complete both WRTG 1310 and WRTG 1320 to satisfy the general education requirements in composition and can take upper-division

courses in writing to complement any major.

RESOURCES

The University Writing Center

The University Writing Center, located in Irby 118, provides students a resource for improving their writing. Students may schedule time with a trained writing assistant and use the center's library and computer resources to develop a writing assignment for any course at the university. The center also has handouts explaining style manuals, documentation, common issues in college writing, and electronic research. Students may also sign up for training on using e-mail, the Internet, and the university local area net. Please call 450-5112 for appointments.

COURSES IN WRITING

1310 **INTRODUCTION TO COLLEGE WRITING** Introduces students to the writing process. Students completing the course will compose a variety of texts reflecting the kinds of writing and critical thinking expected in college writing assignments. Students will learn to use and analyze expressive, persuasive, informative, and literary language and understand how purpose and audience influence the writing process. Required of all students in the freshman year or during the first semester they are eligible for WRTG 1310. Fall, spring, summer.

1320 **ACADEMIC WRITING AND RESEARCH** This course continues development of the writing skills introduced in WRTG 1310 and introduces students to the features of academic writing. Students will develop composition strategies such as summary, critique, synthesis, and research and read texts from a range of academic disciplines. Most sections of WRTG 1320I will focus on general writing-across-the-curriculum strategies, but some sections of WRTG 1320 will focus on disciplinary areas (for example, health science, pre-engineering, or the humanities), interdisciplinary themes (for example, environmental issues), or interdisciplinary

studies (for example, religious studies). Required of all students in the freshman year or during the first semester they are eligible for WRTG 1320. Prerequisite: WRTG 1310 with grade of C or higher. Fall, spring, summer.

3201 **PRACTICUM IN THE WRITING LABORATORY** Training course for Writing Lab tutors. Exposure to rhetorical and linguistic concepts that enhance the teaching of composition. Prerequisite: WRTG 1320 and consent of the instructor. Fall, spring.

3300 **CREATIVE WRITING** Introduces students to creative writing theory and practice in one of the following genres: fiction, poetry, creative non-fiction, or playwriting/screenwriting. Some attention will be give to students' writing preferences, and some time would be devoted to workshops and invention. Fall, spring.

3301 **RHETORIC AND COMPOSITION** An introduction to the discipline of rhetoric and its applications to composition. The course is designed to increase students' repertoire of strategies for dealing with a variety of rhetorical situations. Students will learn how to assess rhetorical situations, identify issues in specific cases, and construct arguments based on those cases. Fall, spring, summer

3305 **ADVANCED COMPOSITION** Upper-division workshop course focusing on academic and professional forms of writing. Students will use advanced strategies for print and electronic writing and examine how to shape the composing process for specific writing tasks and purposes. Fall, spring.

3310 **TECHNICAL WRITING** A workshop course in professional and technical writing. Students work on several writing projects, both in groups and as individuals. Some sections will use writing internships with state agencies and businesses to give students the opportunity to write in the workplace and examine the issues of professional communication. Fall, spring.

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COLLEGE OF HEALTH AND APPLIED SCIENCES

UCA Undergraduate Bulletin, 1998–2000

Go to one of the departments/programs in the College of Health and Applied Sciences.

- Family and Consumer Sciences
- Health Sciences
- Kinesiology and Physical Education
- Medical Technology
- Military Science
- Nuclear Medicine Technology
- Nursing
- Occupational Therapy
- Physical Therapy
- Pre-Cardio-Respiratory Care
- Pre-Dental Hygiene
- Radiography
- Respiratory Therapy
- Speech-Language Pathology

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- Deans
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- Curricula

DEANS

Dean and Professor: Dr. Neil Hattlestad, 450-3122
Assistant Dean and Professor: Dr. Jimmy Ishee, 450-3123

MISSION

The College of Health and Applied Sciences is dedicated to enhancement of the health and well being of the public through preparation of professionals and the advancement of knowledge. Exceptional faculty provide superior undergraduate and graduate programs which include high quality classroom, laboratory, and clinical experiences. Graduates of all programs are well-qualified for professional advancement and community service. Advanced study opportunities for experienced professionals are provided through graduate degree programs at the master's level and continuing education. The importance of interdisciplinary collaboration, adherence to the highest standards of ethical practice, and lifelong learning are emphasized. Throughout all programs of study students develop a commitment to serve each person as unique and worthy of their best efforts.

DEPARTMENTS

The college consists of the following departments:

Family and Consumer Sciences
Health Sciences
Kinesiology and Physical Education
Military Science
Nursing
Occupational Therapy
Physical Therapy
Speech-Language Pathology

CURRICULA

Associate of Applied Science

Child Care Management
Physical Therapist Assisting

Bachelor of Science

Family and Consumer Sciences
Health Education
Health Sciences
Interior Design
Kinesiology
Medical Technology
Nuclear Medicine Technology
Nutrition/Dietetics
Occupational Therapy
Radiography
Respiratory Therapy
Speech-Language Pathology

Bachelor of Science in Education

Health Education
Home Economics Education
Kinesiology and Physical Education

Bachelor of Science in Nursing

Master of Science

Health Education
Health Systems
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 master's degree, advanced master's degree
Speech-Language Pathology

Master of Science in Nursing

Advanced Nursing Practice

Special Programs

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Military Science

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FAMILY AND CONSUMER SCIENCES

UCA Undergraduate Bulletin, 1998–2000

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- Purposes
- The Honors Program in Family and Consumer Sciences
- Baccalaureate Degrees
- Dietetic Internship
- Associate of Applied Science in Child Care Management
- Master's Degree
- Courses in Family and Consumer Sciences

FACULTY

Chair and Professor: Dr. Harlan, 450-5959
Associate Professor: Dr. Shock
Assistant Professor: Dr. Brown
Instructors: Ms. Moody, Ms. Ryburn, Ms. Wood

PURPOSES

The family and consumer sciences programs at the baccalaureate and master's levels 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 and 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 AND 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.

BACCALAUREATE DEGREES

Bachelor of Science in Education

The degree of Bachelor of Science in Education, with a major in family and consumer sciences, requires successful completion of a minimum 124 hours, including (1) the general education component; (2) degree requirements; (3) vocational family and consumer sciences certification

requirements and supporting requirements. No minor is required.

Major requirements (42 hours): FACS 1300, 1370, 2310, 2311, 2320 or 2341, 2351, 2360, 2380 or 3360, 2390, 3300, 3311, 3318, 3372, and FACS elective.

Supporting requirements and professional education core: art 3 hours, ADSE 3456, 4355, 4680, and 4681.

Bachelor of Science

The degree of Bachelor of Science, with a major in family and consumer sciences, requires successful completion of a minimum of 124 hours, including (1) the general education components; (2) degree requirements; (3) family and consumer sciences requirements; (4) supporting requirements. No minor is required.

Dietetics Specialization **44 Hours**

Major requirements: FACS 1300, 2310, 2311, 2320 or 2341, 2351, 3250, 3311, 3370, 3372, 3380, 4301, 4321, 4325, 4351, 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, 2450, 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 BS degree plus completion of an approved internship or pre-professional practice program (AP4). Contact the department chair for further information.

Interior Design Specialization **49 Hours**

Major requirements: FACS 1300 or 3372, 2351, 2360, 2390, 2391, 3173, 3300, 3305, 3315, 3325, 3335, 3340, 3341, 4301, 4305, and 4600.

Supporting requirements: ART 1310, 1321, and 3 hours art history; TECH 2375 and 3360. A minor is not required for the interior design specialization.

General Family and Consumer Sciences 42 Hours

Major requirements: FACS 1300, 1370, 2310, 2320 or 2341, 2351, 2360, 2390, 3300, 3311, 3318, 3370, 3372, or substitute courses with approval of the department chair. No minor is required.

Supporting requirements: art 3 hours.

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 11 weeks of instruction in community nutrition and administrative dietetics. Summer II includes 12 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 1.

ASSOCIATE OF APPLIED SCIENCE PROGRAM IN CHILD CARE MANAGEMENT

Graduates of this two-year degree program will be trained in understanding and dealing with young children, planning programs for pre-school centers, supervision of personnel, planning nutritional and health needs, and working with families.

The degree of Associate of Applied Science requires the successful completion of 62 hours, including the following:

ART (3 hours); WRTG 1310, 1320; H ED 2200 or KPED (2 hours); HIST 2301 or 2302 or PSCI 1330; MGMT 2341; MATH 1360; MUS (1 hour); PHYS 1400 or BIOL 1400 or CHEM 1400; SOC 1300; SPCH 1300; FACS 1300, 1331, 2301, 2320 or 2341, 2401, 2351, 3318, and 3 hours FACS elective.

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

Eighteen hours of family and consumer sciences, 3 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 Bulletin*.

COURSES IN FAMILY AND CONSUMER SCIENCES

Index of Course Listings

Nutrition and Food Sciences
Textiles and Clothing
Child and Family Life
Consumer Education, Resource Management

Family and Consumer Sciences Education
ADSE
Interior Design
General

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.

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: FACS 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: FACS 2310 and BIOL 2411. Fall.

4315 **SPORTS NUTRITION** Nutritional needs of exercising individuals with a focus on wellness. Prerequisite: FACS 1300 and KPED 4300. 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 I** 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, CHEM 3300, BIOL 2405. Fall.

4351 **EXPERIMENTAL FOOD SCIENCE** Physical and sensory evaluation in experimentation with properties of fats, carbohydrate mixtures, protein foods, and food additives. Prerequisite: FACS 2310, 3370 and 4301, CHEM 2450 or equivalent. Fall.

4374 **MEDICAL NUTRITION THERAPY II** Dietary treatment of nutritional problems in disease states. Prerequisite: FACS 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: FACS 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: FACS 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.

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

2341 LIFESPAN DEVELOPMENT Study of the physical, cognitive, social and emotional development, and changes of the individual over the life span. Directed field experience required. Fall.

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 child care administrator under the supervision of a UCA faculty member. Prerequisite: FACS 1331 and FACS 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. Fall.

Consumer Education, 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: FACS 2310 or permission of instructor. Fall, spring.

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

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. Admission to teacher education. Fall.

ADSE

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 with grade of C or better or consent of instructor. Spring.

3300 HOME PLANNING The planning of a home, analysis of environmental and economical resources, and study of architectural styles. Prerequisite: FACS 2390 and 2360 with grade of C or better. Spring.

3305 INTERIOR LIGHTING AND CODES An analysis and application of lighting standards and codes necessary for programming, problem solving, and the space planning of interior spaces. Prerequisite: FACS 2391 with grade of C or better. Fall.

3315 RESIDENTIAL INTERIOR DESIGN Studio course. Advanced studies in residential design layouts, applied advanced design methodology, and design communication. Prerequisite: FACS 3335 with a grade of C or better, ART 1310 and 1321. Fall.

3325 COMMERCIAL INTERIOR DESIGN Studio course. Studies in commercial and business furniture selection and arrangement, textiles, accessories, space distribution, cost estimating, and programming, post-occupancy evaluation; applied graphic communication. Prerequisite: FACS 3315 and 3335 with a grade of C or better. Spring.

3335 DESIGN COMMUNICATION Studio course in media and techniques of graphic communications as an aid to the interior design process. Prerequisite: FACS 2391 with grade of C or better, ART 1310 and 1321. Fall.

3340 HISTORY OF FURNITURE I A comparative analysis of interiors and their furnishings as related to the development of Western civilization (Ancient-Victorian). Prerequisite: FACS 2390 with grade of C or better. Fall.

3341 HISTORY OF FURNITURE II A comparative study of the modern movement including interiors, furnishings, and their designers (1850-present). Prerequisite: FACS 3340 with grade of C or better. Spring.

4305 ADVANCED INTERIOR DESIGN STUDIO Studio course. Advanced studies in commercial and residential interiors. Selected aspects of office systems, forms and logistics of money and materials, as they apply to the practice of interior design. Prerequisite: FACS 3315 and 3335 with grade of C or better. Fall.

General Courses

3173 SPECIAL PROBLEMS IN FAMILY AND CONSUMER SCIENCES Individual work under supervision in any one of the specialization areas of family and consumer sciences. Fall, spring.

4301 **RESEARCH IN FAMILY AND CONSUMER SCIENCES** Directed independent study of the techniques for problem design, analysis, and evaluation in one of the specialization areas of family and consumer sciences. Prerequisite: invitation from instructor in area of specialization and department chair. Fall, spring.

4600 **INTERNSHIP** Internship experience in family and consumer sciences under professional and educational supervision. Prerequisite: senior standing and consent of department chair. Spring, summer.

4130, 4230, 4330 **WORKSHOP** Workshop to cover varying areas of interests and needs. On demand.

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HEALTH SCIENCES

UCA Undergraduate Bulletin, 1998–2000

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FACULTY

Chair: Dr. Fox, 450-3194
Professors: Dr. Hubbard, Dr. Lammers
Associate Professors: Dr. Lewers, Dr. Pierce
Assistant Professors: Dr. Jerome, Dr. Rainey

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) the general education component; (2) degree requirements; and (3) major courses as listed below.

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**

H ED 3300, 3301, 3320, 4300, 4331, 4370, HSCI 4600, and 12 hours to be selected from the following and approved by the major advisor; H ED 2201, 2320, 3305, 3315, 4301, 4302, 4303, 4312, 4343.

Related Requirements **11 hours**

BIOL 2405, 2411, SPCH 1310

Emphasis in Prevention

Health Education Requirements **34 hours**

H ED 3120, 3300, 3301, 3315, 3320, 4300, 4301 or 4302, 4312, 4332, HSCI 4600; 6 hours from the following: H ED 2320, 3305, 4301 or 4302, 4343, 4370.

Related Requirements **11 hours**

BIOL 2405, 2411, MKTG 4360 or 4361.

Health Occupations Option

Health Education Requirements **31 hours**

H ED 3300, 3305, HSCI 1200, 2300, 4210, 4600; 12 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**

H ED 3300, 3301, 4300, 4331; 5 hours to be approved by minor advisor from the following: H ED 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) the 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**

H ED 2201, 3300, 3301, 4303, 4331, 4370; 9 hours to be selected from the following: H ED 2202, 2320, 3101, 4312, FACS 1300.

Related Requirements **8 hours**

BIOL 2405, 2411.

Health Occupations Option

Health Education Requirements: H ED 2202, 3101, 3300, 3321, 4312, 4370, HSCI 1200, 2300, 4210, 4600.

Related Requirements: BIOL 2405, 2411, FACS 1300, ADSE 4357; 6 hours from the following: BMED 4325, 4374, 4375.

Bachelor of Science - Health Sciences

Degree requirements include successful completion of a minimum of 124 hours, including (1) the 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 department chair.

**BIOL 4351 is not a requirement for physical therapy students.

Related Requirements **34-37 hours**

Biology electives (12 hours with a minimum of four 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 4200, PTHY 4215, PTHY 4330, PTHY 4363, PTHY 4370, PTHY 4401.

Health Services Administration Emphasis **18 hours**

This emphasis is for individuals who plan, organize, and coordinate the delivery of health care or anticipate enrollment in graduate programs in health services administration. Places of employment include hospitals, outpatient clinics, medical group practices, nursing homes, hospices, home health agencies, rehabilitation centers, community mental health centers, emergency care centers, and offices of doctors, dentists, and other health practitioners.

Professional Curriculum: INFO 1343, ECON 2310, ECON 2321, ACCT 2310, 2311, and 3321, FINA 3330, MGMT 3344 and MKTG 3350. INFO 1341 and ACCT 2310 should be completed prior to enrollment in upper-division courses. H ED 3315, H ED 4301, H ED 2201, and 9 hours of H ED electives are required. The health science core includes HSC 4403 or BIO 4311, BIO 4351, and HSCI 4600.

Gerontology Emphasis **18 hours**

This emphasis provides students with a background in the social and behavioral aspects of the aging population. This preparation is appropriate for employment in both public and private agencies or to pursue graduate education in gerontology.

Professional Curriculum: Courses to be determined in consultation with department chair.

MASTER'S DEGREE

See *Graduate Bulletin*.

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 personal health status. Fall, spring, summer.

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

2320 **MENTAL HEALTH** Principles and application of mental health information to everyday living. Fall, 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: H ED 1320 or 2200. Fall, spring.

3301 **THEORETICAL BASES OF HEALTH EDUCATION** Principles and foundations of the various disciplines that contribute to health education. Prerequisite: H ED 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: H ED 2200 or 1320. On demand.

3305 HUMAN SEXUALITY A course dealing with the physical, psychological, and social factors involved in human sexual behavior. Prerequisite: H ED 2200 or 1320. Fall, spring.

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.

4301 HEALTH EDUCATION IN THE MEDICAL CARE SETTING Principles and theories of patient education. Acquisition of skills for individualized instruction is emphasized. Prerequisites: H ED 3300 and 3301. Spring.

4302 HEALTH EDUCATION IN THE WORKSITE Methods of health promotion which are uniquely suited to the worksite setting. Emphasis on program organization, implementation and methodology. 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. Cross listed with SOC 4343. Students will receive credit for only one of the courses. 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: H ED 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: H ED 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. Students will acquire skills necessary to cope in the health care system 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 will acquire skills necessary to cope in the health care system 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.

COURSES 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 deciding on a career choice.

2300 **PRINCIPLES OF HEALTH SCIENCES** Vocabulary and terminology of health professions, review of the psychology of illness and exploration of the team approach to the treatment and rehabilitation of patients. On demand.

3123 **MEDICAL TERMINOLOGY** Fundamentals of medical etymology and abbreviations as a basis for building a professional vocabulary. On demand.

4210 **PRINCIPLES OF PATIENT CARE** Psychological and sociological aspects of disability. On demand.

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: consent of instructor. Fall, spring.

4400 **GROSS ANATOMY** Structural aspects of the human body. Lecture and laboratory study of prosected cadaver specimens. Prerequisite: consent of instructor. Fall, summer.

4403 **HUMAN PHYSIOLOGY** Function and interrelationships of the body systems with major concentration of the neuromuscular, cardiovascular, and respiratory systems. Prerequisite: consent of instructor. Fall, spring.

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KINESIOLOGY AND PHYSICAL EDUCATION

UCA Undergraduate Bulletin, 1998–2000

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- Courses in Kinesiology and Physical Education

FACULTY

Chair and Associate Professor: Dr. Howell, 450-3148
Professors: Dr. Hattlestad, Dr. Ishee, Dr. Titlow
Assistant Professors: Dr. Jackson, Dr. Servedio
Instructors: Ms. Horan, Ms. Rambough, Ms. Strong

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 to (a) teach physical education or coach within the public schools, (b) work in the corporate/community fitness sector or recreational agencies, or (c) 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). 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 5 categories: dance, lifetime fitness, 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.

Lifetime Fitness

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 in-depth understanding of the benefits of aerobic dance in improving fitness. Students must perform an 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. On demand.

1125 **CONDITIONING ACTIVITIES** 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. On demand.

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. On demand.

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 two minutes and retrieve 10 pound object from 7 feet 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 posses 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 awareness of the physical environment and physical fitness. On demand.

****1130** **BASIC CANOEING** Basic skills and knowledge 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.

***1123** **BOWLING** Basic skills and techniques, rules, and scoring of the game. Every semester, summer.

1124 **BEGINNING VOLLEYBALL** This course provides students the opportunity to learn the basic skills and terminology of volleyball. Every semester.

1127 **BEGINNING BADMINTON** Basic skills, techniques, and strategies of the game. Every semester, summer.

1128 **BEGINNING GYMNASTICS--WOMEN** Basic skills and techniques of tumbling, balance beam, vaulting, and uneven bars. On demand.

1173 **BEGINNING GYMNASTICS--MEN** Basic skills and techniques of tumbling, rings, vaulting, and parallel bars. On demand.

1181 **RACQUETBALL** Basic skills, rules, and strategies of the game. Every semester, summer.

1191, 1192, 1193, 1194 **ADAPTED PHYSICAL EDUCATION ACTIVITIES** Individualized and group instruction in physical education activities for the special student. May be repeated up to four times. Prerequisite: consent of Instructor. On demand and physican's authorization.

*Bowling and golf classes are held at commercial establishments;

therefore, a participation fee based on current prices will be charged.

**An additional fee will be charged to cover equipment rental and maintenance.

BACCALAUREATE DEGREES

[The Department of Kinesiology and Physical Education has recently added a Bachelor of Science program in Athletic Training and made other revisions to its baccalaureate programs. The following link retrieves the new and revised baccalaureate program requirements: KPED Addendum (published September 1999).]

Bachelor of Science in Education

(with emphasis in elementary or secondary certification)

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) the general education component; (2) the degree component; (3) directed teaching in kinesiology and physical education; (4) one of the emphases in kinesiology and physical education listed below. A minor in a certified teaching field is strongly recommended. The minor is under the direction of the student's minor advisor.

It is standard practice for all Kinesiology and Physical Education majors and minors to student teach in the major or minor.

General education courses do not count toward the required hours for the major or minor. A grade of C or better is required in all kinesiology course work.

Major in Kinesiology and Physical Education

Fitness Test. All kinesiology and physical education majors 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 Monday through Friday by appointment in the Human Performance Laboratory located in Farris Center, room 109A. An exercise prescription is developed for any student failing to meet minimum standards on all items. Students may re-test as many times as desired. All items must be passed prior to the completion of the sophomore year. Failure to pass all items jeopardizes enrollment in upper-division kinesiology course work.

Core curriculum (required for all BSE students) 27 hours

KPED 2300, 2340, 2381, 3316, 3363, 3382, 4300, 4320, 4351.

Emphases

Elementary Physical Education 19 or 20 hours

KPED 2201 or 2350, 2203, 2215 or 2216, 3330, KPED 4331, EDUC 2310, and 4 hours of approved electives.

Secondary Physical Education 18 hours

KPED 2223, 2350, 4331; 10 hours elected from the following courses: KPED 2212, 2213, 2214, 2215, 2216, 2221, 2222, 2224, 2225, 2226, 2227, 2228, 2229, and 3200. Please note proficiency requirements listed below.

Secondary kinesiology and physical education majors will be expected to show proficiency in nine activities before they will be approved for student teaching. Proficiency 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 in order to earn a proficiency. It is the student's responsibility to verify with the instructor that a proficiency has been earned at the conclusion of a course or identify the areas that are deficient. Proficiency tests must be passed in conjunction with the course or within one calendar year following successful completion of the course.

Related Requirements

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

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

Minor in Kinesiology and Physical Education 41 Hours

(Emphasis only offered at the secondary level, BSE degree)

Minor requirements: KPED 2300, 2223, 2340, 2350, 2381, 3316, 3363, 3382, 4300, 4320, 4331, 4351, and 6 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 2 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 Monday through Friday by appointment in the Human Performance Laboratory located in Farris Center, room 109A. An exercise prescription is developed for any student failing to meet minimum standards on all items. Students may re-test as many times as desired. All items must be passed prior to the completion of the sophomore year. Failure to pass all items jeopardizes enrollment in upper-division kinesiology course work.

Secondary kinesiology and physical education minors will be expected to show proficiency in seven activities before they will be approved for student teaching. Proficiency will be required in a minimum of two team sports; two individual sports; one dance, one fitness, and one in outdoor education and recreational games. A student must take the related

teaching course in order to earn a proficiency. It is the student's responsibility to verify with the instructor that a proficiency has been earned at the conclusion of a course or identify the areas that are deficient. Proficiency tests must be passed in conjunction with the course or within one calendar year following successful completion of the course.

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) the general education component; (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. A grade of C or better is required in all kinesiology course work.

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 Bulletin*.

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, summer.

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 develop competency in the selection and use of computer hardware and software pertinent to physical education and sport. Laboratory sessions are designed to provide direct experience with keyboard data entry and the use of peripheral equipment. On demand.

3210 **COACHING BASEBALL** Coaching techniques, drills, and team development for competitive baseball programs. Fall.

3211 **COACHING FOOTBALL** Coaching techniques, drills, and team development for competitive football programs. Fall, summer.

3212 **COACHING BASKETBALL** Coaching techniques, drills, and team development for competitive basketball programs. Fall, summer.

3213 **COACHING TRACK** Coaching techniques, drills, and squad development for competitive track and field programs. Spring.

3214 **COACHING VOLLEYBALL AND GYMNASTICS** Coaching techniques, drills, and team development for competitive volleyball and gymnastics. On demand.

3240 **SECONDARY SCHOOL ATHLETIC PROGRAMS** The administration of secondary school athletics. Course work developed from the coach's and administrator's viewpoint with regard to scheduling, inventory, budget, and public relations. On demand.

3315 **SPORTS OFFICIATING** An examination of the basic elements of sports officiating to include interpretations of rules and regulations and the proper techniques of officiating athletic contests. Sports covered are football, basketball, baseball, track, and volleyball. On demand.

3316 **CURRICULUM** This course is designed to familiarize the undergraduate student with basic curricular theories, models, trends, and issues, and the relationship between curricular 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. Admission to teacher education. Every semester, summer.

3363 ADAPTED PHYSICAL EDUCATION Coverage of handicapping condition and 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. Fall, summer.

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. 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 Designed to create an understanding of the place of physical education in education, the arrangement of units within the program, the process and responsibility of leadership, public relations, budgets, and facilities. Every semester.

4363 EVALUATION AND ASSESSMENT IN ADAPTED PHYSICAL EDUCATION Development of evaluation and assessment skills and exposure to specific research questions in the field of adapted physical education. Field experience will be required. On demand.

4390 SPECIAL PROBLEMS IN KINESIOLOGY AND PHYSICAL EDUCATION Independent study in a chosen area in kinesiology and physical education. Honors course. Prerequisite: consent of instructor and chair. On demand.

4395 SPORT IN AMERICAN SOCIETY Study of sport within a sociological context. Theories of sport and society will be examined to analyze and explain various relationships existing between sport and the American society. Particular attention directed toward sport and social groups, processes, forces, 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.

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BACCALAUREATE DEGREES IN KPED

UCA Undergraduate Bulletin, 1998–2000

This document presents revised requirements for baccalaureate degrees in the Department of Kinesiology and Physical Education. It includes the new Bachelor of Science program in Athletic Training.

Browse the document or jump directly to one of the listed sections.

Bachelor of Science in Education
Bachelor of Science in Kinesiology
Bachelor of Science in Athletic Training
Professional Program in Athletic Training
Coaching Endorsement
Courses in Kinesiology and Physical Education

Return to the Kinesiology and Physical Education page in the online *Undergraduate Bulletin*.

BACHELOR OF SCIENCE IN EDUCATION

(with emphasis in elementary or secondary certification)

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) the general education component; (2) the degree component; (3) directed teaching in kinesiology and physical education; and (4) one of the emphases in kinesiology and physical education listed below. A minor in a certified teaching field is strongly

recommended. The minor is under the direction of the student's minor advisor.

It is standard practice for all kinesiology and physical education majors and minors to student teach in the major and minor.

General education courses do not count toward the required hours for the major or minor. A grade of C or better is required in all kinesiology course work.

Major in Kinesiology and Physical Education

Fitness Test. All kinesiology and physical education majors 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 Monday through Friday by appointment in the Human performance Laboratory located in Farris Center, room 109A. An exercise prescription is developed for any student failing to meet minimum standards on all items. Students may re-test as many times as desired. All items must be passed prior to the completion of the sophomore year. Failure to pass all items jeopardizes enrollment in upper-division kinesiology course work.

Portfolio. All kinesiology and physical education majors must complete and present a developmental portfolio to kinesiology and physical education faculty in the semester the student has earned a minimum of 44 semester hours but less than 61 semester hours. All kinesiology and physical education majors must complete and present a showcase portfolio to the kinesiology and physical education faculty during the semester the student applies for graduation.

Proficiencies. Secondary kinesiology and physical education majors will be expected to show proficiency in nine sports before they will be approved for student teaching. Proficiencies will be required in a minimum of three team sports; three individual sports; and one dance, one fitness, and one in outdoor education and recreational games. A student must

take the related teaching course in order to earn a proficiency. It is the student's responsibility to verify with the instructor that a proficiency has been earned at the conclusion of a course or identify the areas that are deficient. Proficiency tests must be passed in conjunction with the course or within one calendar year following successful completion of the course.

Core curriculum (required for all BSE students) 23 hours

KPED 2300, 2340, 2381, 3331, 3382, 4230, 4300, and 4320.

Emphases

Elementary Physical Education Requirements 25 or 26 hours

KPED 2201 or 2350, 2203, 2215 or 2216, 3316, 3330, 3363, 4351, EDUC 2310 and 4 hours of approved electives.

Secondary Physical Education Requirements 24 Hours

KPED 2223, 2350, 3316, 3363, 4351; 10 hours selected from the following courses: KPED 2212, 2222, 2224, 2225, 2226, 2227, 2228, 2229 and 3200. Please note proficiency requirements listed above.

Related Requirements 4 hours

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

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

Minor in Kinesiology and Physical Education

(emphasis only offered at secondary level, BSE degree)

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 Monday through Friday by appointment in the Human performance Laboratory located in Farris Center, room 109A. An exercise prescription is developed for any student failing to meet minimum standards on all items. Students may re-test as many times as desired. All items must be passed prior to the completion of the sophomore year. Failure to pass all items jeopardizes enrollment in upper-division kinesiology course work.

Portfolio. All kinesiology and physical education minors must complete and present a developmental portfolio to kinesiology and physical faculty in the semester the student has earned a minimum of 44 semester hours but less than 61 semester hours. All kinesiology and physical education minors must complete and present a showcase portfolio to the kinesiology and physical education faculty during the semester the student applies for gradation.

Proficiencies. Secondary kinesiology and physical education minors will be expected to show proficiency in seven sports before they will be approved for student teaching. Proficiencies will be required in a minimum of two team sports, two 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. It is the student's responsibility to verify with the instructor that a proficiency has been earned at the conclusion of a course or identify the areas that are deficient. Proficiency tests must be passed in conjunction with the course or within one calendar year following successful completion of the course.

Core curriculum (required for all BSE students) 23 hours

KPED 2300, 2340, 2381, 3331, 3382, 4230, 4300, and 4320.

Minor in Kinesiology and Physical Education Requirements 41 hours
(Emphasis only offered at secondary level, BSE degree)

KPED 2223, 2350, 3316, 3363, 4351, and 6 hours selected from the following courses: KPED 2212, 2213, 2214, 2215, 2216, 2222, 2224, 2225, 2226, 2227, 2228, 2229 and 3200. Please note proficiency

requirements listed above.

Related Requirements **4 Hours**

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

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

BACHELOR OF SCIENCE IN KINESIOLOGY

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) the general education component; (2) the degree component; and (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. A grade of C or better is required in all kinesiology course work.

Fitness Test. All kinesiology and physical education majors 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 Monday through Friday by appointment in the Human performance Laboratory located in Farris Center, room 109A. An exercise prescription is developed for any student failing to meet minimum standards on all items. Students may re-test as many times as desired. All items must be passed prior to the completion of the sophomore year. Failure to pass all items jeopardizes enrollment in upper-division kinesiology course work.

Portfolio. All kinesiology and physical education majors must complete and present a developmental portfolio to kinesiology and physical education faculty in the semester the student has earned a minimum of 44 semester hours but less than 61 semester hours. All kinesiology and

physical education majors must complete and present a showcase portfolio to the KPE faculty during the semester the student applies for gradation.

Proficiencies. 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; and in each of the following: dance, fitness, and outdoor education and recreational games. A student must take the related teaching course in order to earn a proficiency. It is the student's responsibility to verify with the instructor that a proficiency has been earned at the conclusion of a course or identify the areas that are deficient. Proficiency tests must be passed in conjunction with the course or within one calendar year following successful completion of the course.

Core curriculum (required for all BS students) 23 hours

KPED 2300, 2340, 2381, 3331, 3382, 4230, 4300, and 4320.

BACHELOR OF SCIENCE IN ATHLETIC TRAINING

Major in Athletic Training

The degree of Bachelor of Science with a major in athletic training requires successful completion of a minimum of 126 hours, including (1) the general education component; (2) the degree component; and (3) major and related requirements listed below. A minor is not required. A grade of C or better is required in all kinesiology course work, and a grade of B or better is required in designated athletic training course work. An application for candidacy has been submitted to the Joint Review Committee on Educational Programs in Athletic Training. This does not guarantee that the program will be accredited by the time students complete the program.

Fitness Test. All kinesiology and physical education majors 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 Monday through Friday by appointment in the Human Performance Laboratory located in Farris Center, Room 109A. An exercise prescription is developed for any student failing to meet minimum standards on all items. Students may re-test as many times as desired. All items must be passed prior to the completion of the sophomore year. Failure to pass all items jeopardizes enrollment in upper-division kinesiology course work.

Portfolio. All athletic training majors must complete and present a developmental portfolio to kinesiology and physical education faculty in the semester the student has earned a minimum of 44 semester hours but less than 61 semester hours. All athletic training majors must complete and present a showcase portfolio to the athletic training faculty during the semester the student applies for gradation.

Proficiency. All athletic training majors will be expected to show proficiency in one sport before they will be approved for graduation. One proficiency will be required from the following course work: KPED 2214, 2215, 2216, 2224, 2225 or 2226. A student must take the related teaching course in order to earn a proficiency. It is the student's responsibility to verify with the instructor that a proficiency has been earned at the conclusion of a course or identify the areas that are deficient. Proficiency tests must be passed in conjunction with the course or within one calendar year following successful completion of the course.

Athletic Training Major Requirements

KPED Core curriculum **23 hours**

KPED 2300, 2340, 2381, 3331, 3382, 4230, 4300, and 4320.

Athletic Training **36 hours**

KPED 1350, 3340, 3341, 3350, 3351, 4210, 4220, 4305, 4315, 4325, 4330, 4350; 2 hours selected from the following courses: KPED 2214,

2215/2216, 2224, 2225, and 2226.

Related Requirements **23 hours**

BIOL 1441, 2405, 4351; FACS 1300, 4315; H ED 2201, 3123; PSY 1300.

PROFESSIONAL PROGRAM IN ATHLETIC TRAINING

The athletic training professional program consists of a minimum of six full semesters of study during which students are engaged in both classroom work and field (clinical) experiences. A minimum of 270 field experience hours per semester is required. In addition to tuition and fees; textbooks, materials and uniforms for athletic training courses will cost approximately $400.00 a semester. Students are responsible for their own transportation to and from field (clinical) experience.

Admissions to the Athletic Training Profession Program

Admission to the undergraduate athletic training profession program is selective and competitive. Preference is given to University of Central Arkansas pre-athletic training students. Applications are due by March 15 for admission into the following fall professional athletic training class. One class is admitted each year. Applications are available from and may be obtained by calling or writing to the Director of Athletic Training (501-450-3148).

Minimum admission criteria include (1) minimum cumulative grade point average of 2.7; (2) completion with a minimum grade of C in WRTG 1310 and 1320; MATH 1390; BIOL 1440; H ED 2201; KPED 1320, 1350; PSYC 1300; (3) complete application, and (4) complete extemporaneous writing assignment and oral interview. A more detailed list of criteria should be obtained from the Director of Athletic Training.

Applicants who feel they were treated differently from other candidates in admissions decisions are to contact the department chair for information about the appeals process. All appeals begin at the department level.

Upon acceptance into the athletic training professional program, students

are to present documentation of 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 CPR course certification or American Red Cross CPR course 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 *Athletic Training Student Handbook* specifies the rules, regulations and policies that apply to all UCA undergraduate athletic training students. It is the responsibility of the student to know and follow the most recent policies and procedures.

Retention Policy

Retention in the University of Central Arkansas Athletic Training Professional Program is based on the following criteria:

1. Minimum cumulative grade point average of 2.7 on a 4.0 scale.
2. Minimum grade point average of 3.0 on a 4.0 scale in all KPED course work.
3. Minimum of C on related course work.
4. Minimum Semester Performance Evaluation of 2.0 on a 4.0 scale.

Failure to meet retention criteria will place the student on probationary status for the maximum of two semesters. If the criteria are not met at the conclusion of the probationary period, the student will need to reapply for admission into the Athletic Training Professional Program. A more detailed list of criteria and explanation of the probationary period is available in the current edition of the *Athletic Training Student Handbook*.

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, volleyball, baseball, gymnastics or track in public

schools, must receive a coaching endorsement from the Arkansas 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, 3331, 4351, and two of the following coaching courses--KPED 3210, 3211, 3212, 3213, or 3214.

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:

1350 ATHLETIC TRAINING TECHNIQUES I--INTRODUCTION TO ATHLETIC TRAINING This course will introduce athletic training as a profession, outlining its history and the role of the National Athletic Trainers' Association (NATA). Students will also learn the basis of organization, care, prevention and recognition of athletic injuries and illnesses. Field Observation Required. Spring. Prerequisites: None.

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, summer.

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 are 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 develop competency in the selection and use of computer hardware and software pertinent to physical education and sport. Laboratory sessions are designed to provide direct experience with keyboard data entry and the use of peripheral equipment. On demand.

3210 **COACHING BASEBALL** Coaching techniques, drills, and team development for competitive baseball programs. Fall.

3211 **COACHING FOOTBALL** Coaching techniques, drills, and team development for competitive football programs. Fall, summer.

3212 **COACHING BASKETBALL** Coaching techniques, drills, and team development for competitive basketball programs. Fall, summer.

3213 **COACHING TRACK** Coaching techniques, drills, and squad development for competitive track and field programs. Spring.

3214 COACHING VOLLEYBALL AND GYMNASTICS Coaching techniques, drills, and team development for competitive volleyball and gymnastics. On demand.

3240 SECONDARY SCHOOL ATHLETIC PROGRAMS The administration of secondary school athletics. Course work developed from the coach's and administrator's viewpoint with regard to scheduling, inventory, budget, and public relations. On demand.

3315 SPORTS OFFICIATING An examination of the basic elements of sports officiating to include interpretations of rules and regulations and the proper techniques of officiating athletic contests. Sports covered are football, basketball, baseball, track, and volleyball. On demand.

3316 CURRICULUM This course is designed to familiarize the undergraduate student with basic curricular theories, models, trends, and issues, and the relationship between curricular 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. Admission to teacher education. Every semester, summer.

3331 CARE AND PREVENTION OF EXERCISE AND SPORT INJURIES Course designed to introduce the broad discipline of caring for exercise and sports injuries. There will be discussions and/or practical experiences in the areas of anatomy, evaluation, treatment, and rehabilitation techniques; emergency procedures; liability problems in athletics. Every semester, Summer. Prerequisites: KPED 2381 or BIOL 2405 or equivalent.

3340 ATHLETIC TRAINING TECHNIQUES II--COLLISION SPORTS This course is designed for the student athletic trainer to gain experience with collision sports. The student will attain information regarding injuries during collision activities to include: brain injury, fractures, dislocations, wound management, and emergency on-the-field evaluation of spine injuries. Field Experience Required. Fall. Prerequisites: KPED 1350 and Admission into the Athletic Training Professional Program.

3341 ATHLETIC TRAINING TECHNIQUES III--THROWING SPORTS Course provides the student with knowledge of care, treatment, and rehabilitation of injuries occurring in throwing sports. The student will gain experience in recognizing overuse conditions and biomechanical concepts associated with sports such as baseball, softball, and tennis. Field Experience Required. Every semester. Prerequisites: KPED 3331 and Admission into the Athletic Training Professional Program.

3350 EVALUATION TECHNIQUES FOR ATHLETIC TRAINERS--UPPER EXTREMITY Course designed to attain knowledge of evaluation and injuries of the upper extremity. The student will conduct initial clinical evaluations and develop assessment skills of athletic injuries. Spring. Prerequisites: KPED 3331.

3351 EVALUATION TECHNIQUES FOR ATHLETIC TRAINERS--LOWER EXTREMITY Course designed to attain knowledge of evaluation and injuries of the lower extremity. The student will conduct initial clinical evaluations and develop assessment skills of athletic injuries. Fall. Prerequisites: KPED 3331.

3363 ADAPTED PHYSICAL EDUCATION Coverage of handicapping condition and 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. Fall, summer.

4210 **MODALITIES FOR ATHLETIC TRAINERS** This course is designed for the student to attain knowledge in the application and use of modalities in treating athletic injuries. The student will explore the areas of wound healing, thermal, electrical, and mechanical agents. Spring. Prerequisites: KPED 3331.

4220 **EXERCISE REHABILITATION IN ATHLETIC TRAINING** This course is designed for the student to attain an advanced level of competency in orthopedic anatomy and examine current knowledge and procedures in sports rehabilitation. Fall. Prerequisites: KPED 3331.

4230 **FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION** Study of the foundations, theories, principles and measurement of physical fitness and in particular the means for conducting fitness testing and providing exercise prescriptions. Every semester, Summer. Prerequisites: KPED 4300.

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.

4305 **DIRECTED EXPERIENCES IN ATHLETIC TRAINING** Course is designed to afford the student an internship experience in private sector athletic training. Practical experiences will be directed and assigned by the clinical instructor. These activities may include school visitations, injury management, surgery observation, clinical evaluations, and rehabilitation. Field Experience Required. Spring. Prerequisites: KPED 3350 and KPED 3351 and Admission into the Athletic Training Professional Program.

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. Admission to teacher education. Every semester.

4315 PROGRAM DEVELOPMENT IN ATHLETIC TRAINING Current trends in athletic training practice settings will be explored. Students will develop techniques for disseminating information on injury prevention and management. Further study will include academic preparation, credentialing, and continuing education for the Certified Athletic Trainer. Spring. Prerequisites: KPED 3331.

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.

4325 HEAD, NECK, AND SPINE INJURY MANAGEMENT Course designed to attain knowledge of evaluation and injuries of the head, neck, thorax, and spine. Students will conduct initial clinical evaluations and develop assessment skills of athletic injuries. Fall. Prerequisites: KPED 3331.

4330 ADMINISTRATION AND MANAGEMENT OF ATHLETIC TRAINING Management theories and strategies used in an athletic training facility will be explored. Specifically, topics include employment process, budgeting and inventory, documentation, facilities design, occupational health and safety, and reducing liability through applications of management theories. Fall. Prerequisites: KPED 3331.

4350 ATHLETIC TRAINING TECHNIQUES IV--RUNNING SPORTS The purpose is to provide the student experience in direct care of athletes in sports involving running (cross country, soccer and basketball). Students will explore mechanisms, evaluations, treatments, and rehabilitation of lower extremity injuries through seminar/discussion and practical experiences. Field Experience Required. Every semester. Prerequisites: KPED 3331 and Admission into the Athletic Training Professional Program.

4351 PHYSICAL EDUCATION ADMINISTRATION Designed to create an understanding of the place of physical education in education, the arrangement of units within the program, the process and responsibility of leadership, public relations, budgets, and facilities. Every semester.

4363 EVALUATION AND ASSESSMENT IN ADAPTED PHYSICAL EDUCATION Development of evaluation and assessment skills and exposure to specific research questions in the field of adapted physical education. Field experience will be required. On demand.

4390 SPECIAL PROBLEMS IN KINESIOLOGY AND PHYSICAL EDUCATION Independent study in a chosen area in kinesiology and physical education. Honors course. Prerequisite: consent of instructor and chair. On demand.

4395 SPORT IN AMERICAN SOCIETY Study of sport within a sociological context. Theories of sport and society will be examined to analyze and explain various relationships existing between sport and the American society. Particular attention directed toward sport and social groups, processes, forces, 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.

Bowling and golf classes will be held at commercial establishments. Therefore,

an additional fee will be charged.

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MEDICAL TECHNOLOGY

UCA Undergraduate Bulletin, 1998–2000

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- Advisor
- Program
- Baccalaureate Degree
- Courses in Medical Technology

ADVISOR

Advisor and Associate Professor: Dr. Pierce, 450-5558

PROGRAM

Medical technology is a profession that 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 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 DEGREE

Bachelor of Science

1. Completion of a minimum of 84 semester hours described below with at least a 2.0 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 2.0.

The curriculum for medical technology is as follows:

I. Preprofessional Curriculum	**Semester Hours**
1. The general education component	
2. Specified general education and other required courses:	
MATH 1390 or above	3
CSCI 1300 or INFO 1343	3
BIOL 1440, 1441, 2405, 4525	17
CHEM 1450, 1451, 2401, 3520	17
Electives	8
TOTAL	**84**

II. Professional Curriculum	**Semester Hours**

Immunology	1
Immunohematology	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	**41**

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.

4111 **IMMUNOLOGY** Principles of basic immunoglobulin structure and antigen-antibody reactions with application to clinical immunology procedures.

4121 **MANAGEMENT AND EDUCATION TOPICS** Introduction to basic principles of management theory and educational principles.

4122 **BODY FLUIDS** Chemical, physical, and microscopic study of urine, cerebrospinal, and other body fluids.

4123 **IMMUNOHEMATOLOGY** Genetic theory of human blood groups and fundamentals of transfusion practice and component therapy.

4410 **CLINICAL MICROBIOLOGY** Study of human pathogenic microorganisms including bacteria, myco-bacteria, fungi, and parasites, with emphasis on clinical isolation and identification techniques.

4413 **CLINICAL CHEMISTRY** Study of analytes in serum with emphasis on clinical significance, diagnostic utility, and detection methods; includes immunoassay and toxicology.

4423 **HEMATOLOGY** Study of hematopoiesis, anemias, leukemias, hemoglobinopathies, coagulation, and principles of hematological testing.

4510 **CLINICAL INTERNSHIP I** Clinical training in the following areas of the hospital laboratory: hematology/coagulation, includes operation of instrumentation and quality control practices.

4512 **CLINICAL INTERNSHIP II** Clinical training in the following areas of the hospital laboratory: chemistry & urinalysis, includes operation of instrumentation and quality control practices.

4611 **CLINICAL INTERNSHIP III** Clinical training in the following area of the hospital laboratory: blood bank/serology, includes operation of instrumentation and quality control practices.

4714 **CLINICAL INTERNSHIP IV** Clinical training in the following area of the hospital laboratory: microbiology, includes operation of instrumentation and quality control practices.

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MILITARY SCIENCE

UCA Undergraduate Bulletin, 1998–2000

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- General Information
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- Advanced Course
- Basic Camp
- Courses in Military Science

CHAIR

Chair: LTC James Lampkin 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 US Army on active duty, or remain in Arkansas and serve in the Army National Guard or the US Army Reserve while pursuing a civilian career after graduation.

Regardless of the career choice, success in life today demands more than ever 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, $450 per year for books, and $150 per month ($150 per month, tax free, for ten months during the year).

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 ROTC 1101, 1110, 2204, 2213, and 4171 (workshops - open to all students). ROTC 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. These activities include: rappelling, rifle marksmanship, color guard, ranger challenge 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 meet 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 US citizen.

Eligibility for the Advanced Course

Must have completed one of the following:

1. Complete basic course (two-year program)
2. Summer Basic Camp at Ft. Knox (five weeks prior to junior year)
3. Three years of high school Junior ROTC experience
4. Veteran
5. Member of National Guard or Reserve and completed basic training.

NOTE: Each contracted cadet must meet certain professional military education 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 five-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 military science 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.

2204 **MILITARY ORGANIZATION/TACTICS II** Introduction to practical work in map reading. CPR course and basic lifesaving steps for first aid. Continuation of leadership development training from fall semester. Spring.

2213 **ORGANIZATIONAL LEADERSHIP** Emphasis on the development of effective leadership skills, basic rifle marksmanship training, and on understanding how the leadership process works in organizational situations. Fall.

3305 **ADVANCED LEADERSHIP AND TACTICS I** An in-depth study of unit tactics and related individual skills, advanced map reading, and their practical applications. Emphasis on person to person leadership skill development. Fall.

3306 **ADVANCED LEADERSHIP AND TACTICS II** A continuation of military science 3305. Spring.

4307 **APPLIED LEADERSHIP AND MANAGEMENT I** A study of command and staff functions and practical exercises in planning, organizing and supervising. Students in this course plan and administer all activities of the cadet corps. Emphasis is placed on leadership and management of larger organizations. Fall.

4308 **APPLIED LEADERSHIP AND MANAGEMENT II** A continuation of military science 4307. Spring.

NOTE: In special cases, the basic course can be compressed, that is, freshman and sophomore classes can be taken simultaneously. Military science 1101 and 1110 may be taken either semester, upon approval of the ROTC department. Contact the military science department for details.

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NUCLEAR MEDICINE TECHNOLOGY

UCA Undergraduate Bulletin, 1998–2000

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- Advisor
- The Profession
- Requirements
- Courses in Nuclear Medicine Technology

ADVISOR

Advisor: Ms. Stephens, 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 ensure 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 years and 77 hours of course work at UCA, and 47 hours taken over 12 months at BMC. Students may transfer into the program, but a minimum of nine months and 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.

I. THE CURRICULUM AT UCA WILL CONSIST OF 77 HOURS AS FOLLOWS: (1) General education requirements; (2) Other requirements include: CHEM 1450, 1451; MATH 1390, BIOL 1440, 2405; ECON 2330; CSCI 1300; PHYS 1410, 1420; Statistics (MATH 2311, or PSYC 2330); and other electives (4 hours).

II. THE PROFESSIONAL CURRICULUM AT BMC WILL CONSIST OF 47 HOURS: NMT 4210, 4415, 4510, 4420, 4425, 4410, 4430, 4315, 4325, 4330, 4435, 4320, 4215, 4220

COURSES IN NUCLEAR MEDICINE TECHNOLOGY

4210 **PRACTICUM I** Introduction to clinical imaging.

4410 **PRACTICUM II** Intermediate techniques in clinical imaging, radioimmunoassay, radiopharmaceutical preparation and radiation safety techniques.

4510 **PRACTICUM III** Advanced techniques in clinical imaging, radioimmunoassay, radiopharmaceutical preparation, computer techniques, and radiation health physics.

4415 **PATIENT CARE** Principles and techniques of patient care including Cardio-Pulmonary Resuscitation (CPR) certification, patient transport, ECG monitoring, physical assessment, pharmacology, venipuncture, and IV therapy. Emphasis is placed on skills that are utilized by the technologist in the clinical setting.

4420 **NUCLEAR PHYSICS/RADIOCHEMISTRY** Fundamentals of basic atomic and nuclear physics, including the structure of the atom, modes of radioactive decay, mathematics calculation of radioactivity, passage of charged particles and high-energy photons through matter, and the primary and secondary sites of radionuclide production.

4425 **IN VIVO NUCLEAR MEDICINE I** Comprehensive study of the theory and methodology of imaging the different systems in the body, including rationale and indications for the study, patient preparation, radiopharmaceuticals used, imaging techniques, computer processing applications, and diagnostic interpretation. Each section will be correlated with laboratory studies and clinical exams performed in the clinical setting.

4325 **IN VIVO NUCLEAR MEDICINE II** Continuation of In Vivo Medicine I.

4435 **IN VIVO NUCLEAR MEDICINE III** Continuation of In Vivo Nuclear Medicine II.

4430 **RADIOPHARMACY/RADIONUCLIDE THERAPY** Fundamental principles of radiopharmacology, including radiopharmaceutical preparation and quality control, biochemical and physiological properties of radiopharmaceuticals, methods of localization and alterations of distribution, and the therapeutic use of radionuclides in medicine.

4315 **INSTRUMENTATION/STATISTICS I** Principles of operation and quality control of non-imaging nuclear medicine equipment to include statistical applications.

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.

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OCCUPATIONAL THERAPY

UCA Undergraduate Bulletin, 1998–2000

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- Purposes
- Accreditation
- Admission Requirements
- Departmental Admissions Procedure and Appeals
- Professional Program
- The Honors Program in Occupational Therapy
- Courses in Occupational Therapy

FACULTY

Chair and Associate Professor: Dr. Shalik, 450-3192
Assistant Professors: Dr. Acre, Mr. Willey
Instructors: Ms. Buddenberg, Ms. Gangluff, Ms. Johnson, Ms. Mankey, Ms. White
Program Advisor: Ms. Cole, 450-5568

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; designing, fabricating, or applying selected orthotic and prosthetic devices or selective adaptive equipment; using specifically designed activities to enhance functional performance; administering and interpreting tests such as manual muscle or range of motion tests; and adapting environments for the disabled. These services are provided individually, in groups, or through social systems.

PURPOSES

The objective of the professional curriculum in occupational therapy is to provide learning experiences that will qualify its graduates to assume the professional responsibilities essential to the pursuit of occupational therapy in its several areas of specialization. In addition to the attainment of academic knowledge and skill required to perform professional duties, students are directed toward the development of competence for living in our democratic society, and for functioning effectively in a society wherein health care practices are rapidly changing.

ACCREDITATION

The course of study is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) in collaboration with the American Occupational Therapy Association. The address for ACOTE is: 4720 Montgomery Lane, PO Box 31220, Bethesda, MD 20824-1220. Phone: 301-652-2682. Upon successful completion of the program, the student will have fulfilled the requirements for a Bachelor of Science degree and will be eligible to write the national examination leading to certification by the National Board for Certification in Occupational Therapy (NBCOT). Address for NBCOT: 800 S. Frederick Ave., Suite 200, Gaithersburg, MD 20877-1450. Phone: 301-990-7979. Graduates of the

program are also eligible for state licenses.

ADMISSION REQUIREMENTS

College Preparatory

High school students who plan to seek admission to the program in occupational therapy should include in their high school course of study classes in biology, chemistry, physics, and algebra.

University and Program Requirements

Students seeking admission to the professional curriculum in occupational therapy must: (a) apply to and meet all admission requirements of the university; (b) complete an application for admission to the occupational therapy professional program; and (c) meet the following academic and other requirements prior to the beginning of enrollment in the summer semester:

1. The student working toward a first Bachelor of Science degree will have earned at least 64 hours (including no more than two physical education activity hours) from a regionally accredited college with a minimum GPA of 2.75 on all work attempted.
2. Complete a minimum of 20 hours volunteer or direct work experience in an occupational therapy clinical setting and submit a performance rating sheet from this experience (form and specific instructions available from the Occupational Therapy Department).
3. Complete the following prerequisite course work with a grade of C or better. Students who have not completed all prerequisite courses may apply for admission; however, completion of prerequisites is required prior to formal entry into the program.

Prerequisite	Semester Hours

*Biology (in addition to BIOL 1440, and to include Neuroscience): Recommended Combination: BIOL 2406 and BIOL 2407	12
*CHEM 1402(preferred)	4
*PHYS 2410 (preferred) or 1410	4
*Psychology and Sociology (to include PSYC 1300, SOC 1300, and SOC 4334 or 4343)	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 2.75 has been maintained.

DEPARTMENTAL ADMISSIONS PROCEDURE AND APPEALS

Entry into the program is by application and competitive admission only. Applications to the program become available by November 15 and are due in the program office by February 1 for consideration for entry the following summer semester. All applications are reviewed by the Occupational Therapy Admissions Committee. Admission criteria may include: cumulative grade point average, volunteer/work experience reference, personal interview, Arkansas residency, and autobiographical or other written statement.

Strong preference is given to Arkansas residents. Admission of out-of-state students will occur only on a very limited basis.

Applicants who feel they were treated differently from other candidates in admissions decisions are to contact the department chair for information about the appeals process. All appeals begin at the department level.

PROFESSIONAL PROGRAM

The professional program consists of a minimum of five full-time semesters of study on campus. During this time, students are engaged in both classroom work and in practicum experiences (minimum 80 hours per semester) at facilities in Arkansas and contiguous states. Following campus study, students are assigned to facilities in Arkansas and/or contiguous states for full-time field work experiences of six months duration.

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 required courses.

THE HONORS PROGRAM IN OCCUPATIONAL THERAPY

Students who have demonstrated above average interest, ability, and professional promise may be invited to become candidates for departmental honors. The students must have earned an overall GPA of 3.5 and a GPA of 3.5 in professional courses.

COURSES IN OCCUPATIONAL THERAPY

1200 **SURVEY OF HEALTH SCIENCES** Exploration of professional requirements and responsibilities in various health careers. The interrelatedness of health careers is stressed. Fall. On demand.

2300 **PRINCIPLES OF HEALTH SCIENCES** Vocabulary and terminology of health professions, a review of the psychology of illness, and exploration of the team approach to the treatment and rehabilitation of patients. On demand.

3100 **PRACTICUM I** Occupational therapy clinical experience with emphasis on developing observation skills, therapeutic interaction skills, professional behavior, beginning documentation skills, and patient care skills necessary for safe, basic clinical performance. Admission to the occupational therapy program. Fall.

3101 **PRACTICUM II** 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 identification of treatment theory/frame of reference and activity analysis. Admission to the Occupational Therapy Program. Spring.

3125 **INDEPENDENT LIVING/DAILY LIVING SKILLS I** Techniques and therapeutic procedures involved in daily living skills. Focus on compensatory techniques, assistive devices and adaptations to accommodate limitations in performance of self-care activities. Admission to the occupational therapy program. Spring.

3211 **CLINICAL PSYCHIATRY** Lectures and case presentations dealing with etiology and treatment of major neuropsychiatric conditions. Study of personality disorders and resulting patterns of behaviors. Admission to the occupational therapy program. Fall.

3215 **GROUP PROCESS AND COMMUNICATION SKILLS IN OCCUPATIONAL THERAPY** Group process theory and experiential learning which facilitates the development of communication and interpersonal skills used in occupational therapy practice. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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.

4125 INDEPENDENT LIVING/DAILY LIVING SKILLS II Continuation of independent living I techniques and therapeutic procedures involved in daily living skills. Focus on compensatory techniques, assistive devices and adaptations to accommodate limitations in performance of self-care activities. Prerequisite: independent living I. Fall.

4126 INDEPENDENT LIVING/DAILY LIVING SKILLS III Continuation of Independent Living II. Techniques and therapeutic procedures involved in daily living skills. Focus on compensatory techniques, assistive devices, technology and adaptations to accommodate limitations in performance of activities of daily living in community settings. Prerequisites: independent living I and II. 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. Admission to the occupational therapy program. Fall.

4310 ASSISTIVE TECHNOLOGY The use of assistive technology to promote greater independence for individuals with disabilities. Domains presented will include vision, hearing, communication, cognition and environmental controls. Every semester.

4315 PREVOCATIONAL AND WORK ASSESSMENT Therapeutic application of prevocational and work assessment activities. Techniques of work simplification and energy conservation. 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. Admission to the occupational therapy program. Spring.

4351 INDEPENDENT STUDIES IN OCCUPATIONAL THERAPY Directed study designed to provide students with in-depth investigation of a specific area of occupational therapy. Review of the literature and/or related clinical practice. Regular consultation and guidance with instructor is required. For honor students by invitation of faculty. On demand.

4356 EVALUATION AND TREATMENT IN MENTAL HEALTH II This course is a continuation of evaluation and treatment in Mental Health I. Life Span Development, Cognitive Behavioral, Cognitive Disability and movement-centered frames of reference approaches to evaluation, treatment planning, implementation, and documentation are emphasized. Each will be related to both occupational performance and model of human occupation. Admission to the occupational therapy program. Fall.

4360 HEALTH CARE ADMINISTRATION Effect of current health practices on organization and administration of occupational therapy services. Investigation of traditional institutional settings and other community agencies and facilities. Admission to the occupational therapy program. Spring.

4370 ADVANCED METHODS IN PHYSICAL DYSFUNCTIONS Study of purposes and uses of orthotic/prosthetic appliances. Selection, fitting, and fabrication of orthotic appliances; selection of prostheses. Special emphasis on management of burns, arthritis, and musculoskeletal injuries. 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. Admission to the occupational therapy program. Fall.

4380 EVALUATION AND TREATMENT IN PHYSICAL DISABILITIES II Application of occupational therapy theories and principles for evaluation and treatment in physical disabilities. Treatment planning, implementation, and documentation with emphasis on functional adaptations. Admission to the occupational therapy program. Fall.

4400 **GROSS ANATOMY** Structural aspects of the human body through lecture and laboratory study of prosected cadaver specimens. Admission to the occupational therapy program. Summer. On demand.

4621 **FIELD EXPERIENCE I** Integration and application of academically acquired knowledge in a clinical setting. Supervised experience in psychosocial dysfunction includes the delivery of treatment services to individuals of both sexes within a wide age range. Approval of faculty. On demand.

4631 **FIELD EXPERIENCE II** Integration and application of academically acquired knowledge in a clinical setting. Supervised experience in physical dysfunction includes the delivery of treatment services to individuals of both sexes within a wide age range. Approval of faculty. On demand.

4641 **FIELD EXPERIENCE III** Specialized and in-depth experience in a particular area of student interest. Approval of faculty (elective). On demand.

4342 **FIELD EXPERIENCE IV** Specialized and in-depth experience in a particular area of student interest. On demand.

4410 **FIELD EXPERIENCE V** Specialized and in-depth experience in a particular area of student interest. On demand.

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PHYSICAL THERAPY

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FACULTY

Chair and Professor: Dr. Lovelace-Chandler, 450-3611
Professors: Dr. Bandy, Dr. Soderberg
Associate Professors: Dr. G. Irion, Dr. Knutson, Dr. Reese
Assistant Professors: Dr. Holmes, Dr. J. Irion, Ms. McMillan, Dr. Mendelson, Dr. Zabel
Instructors: Mr. Fletcher, Mr. Hearn, Ms. Maresh, Ms. Phillips

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.

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 degrees for advanced study. The Associate of Applied Science (AAS) degree in physical therapist assisting (PTA) 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 (MS) degree in physical therapy (PT) 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.

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 of the American Physical Therapy Association.

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 26 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 (PTA) 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, 12-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 applicants may be accepted if a PTA class cannot be filled with qualified Arkansas residents.

Students who have completed at least 22 hours (including 4 hours of prerequisite 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 Therapist Assisting Curriculum

Students accepted into the PTA curriculum must have 26 semester hours

of acceptable college credit with a cumulative grade point average of at least 2.5 based on a 4.0 scales, and a grade point average of 2.75 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 4 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 seven credit hours may be repeated course work and only one science course 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 26 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 (PHYS 1405 or higher; grade of C or higher required.)
    4 biological sciences, which include a minimum of 4 hours in anatomy and physiology (grade of C or higher required

equivalent to BIOL 2405)

2. 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.

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.**

1. Application to the University of Central Arkansas (not required of former or present UCA students).
2. Application to the Department of Physical Therapy.
3. Official transcripts of all college course work. Transcripts must be mailed directly from the issuing institution. An updated transcript showing the completion of all courses scheduled for the spring and/or summer will be required.
4. College-Level Examination Program (CLEP) scores if used to satisfy prerequisite course work. (Not required for UCA students whose CLEP scores have already been accepted and recorded on their UCA transcript.)
5. Non-refundable application fee.
6. Finalists will be notified for a required interview.

Physical Therapist Assistant Curriculum

SUMMER

PTHY 2220.

FALL SEMESTER

PTHY 2275, 2295, 2350, 2210, 2215, 2225, and 2240.

SPRING SEMESTER

PTHY 2280, 2330, 2340, 2205, 2230, and 2325.

SUMMER

PTHY 2235, 2335, and a seminar for one credit hour.

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.

GRADUATE DEGREES IN PHYSICAL THERAPY

Please refer to the UCA *Graduate Bulletin*.

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

2205 THERAPEUTIC PROCEDURES FOR ASSISTANTS A course for the physical therapy assistant covering physiological principles of massage, traction, biofeedback, and therapeutic exercise in patient treatment. Emphasis will be on the practical applications of these procedures, keeping in mind the underlying physiological principles that apply.

2210 PATIENT CARE SKILLS This course will include lecture and laboratory experiences in order to provide the psychomotor skills necessary in the basic physical therapy techniques. Laboratory practice will consist of practice in body mechanics, transfer techniques, positioning, the fitting and applications of crutches and other assistive devices, wheelchair functions, aseptic techniques, and taking vital signs. Students will also be informed of ADA issues and the role of physical therapist/therapist assistants in the implementation of ADA.

2215 **THERAPEUTIC AGENTS FOR ASSISTANTS** A course for the physical therapist assistant in physiological principles underlying the use of thermal agents, hydrotherapy, phototherapy, and other physical agents in treatment of clinical conditions. Emphasis on application of agents.

2220 **INTRODUCTION TO KINESIOLOGY** A detailed study of musculoskeletal anatomy and physiology and muscle innervation as a foundation for understanding kinesiological principles for the physical therapist assistant.

2225 **PSYCHOSOCIAL ASPECTS OF PHYSICAL DISABILITY FOR THE ASSISTANT** This course is designed to begin facilitation of the socialization process for students into their professional role by allowing each student to learn about the "self," the importance of communication in health care, and the effects disability has on the lives of patients.

2230 **ELECTROTHERAPY FOR ASSISTANTS** The indications and use of electric modalities in patient treatment are explored in this course. Included are: neuromuscular electric stimulation (NMES), transcutaneous electrical nerve stimulation (TENS), interferential current (IFC), iontophoresis, uses for high voltage pulsed current (HVPC), and direct current (DC). Emphasis is on safe and effective uses of the equipment.

2235 **CLINICAL INTERNSHIP III FOR ASSISTANTS** Clinical Internship III is a five-week, full-time supervised clinical experience designed to provide the student with the ability to integrate previously attained didactic and clinical skills in situations pertaining to that of an entry-level physical therapist assistant. Clinical Internship III is designed to run consecutively with Clinical Internship IV to provide one five-week inpatient and one two-week outpatient clinical setting.

2240 CLINICAL INTERNSHIP I FOR ASSISTANTS Clinical Internship I for Assistants is a weekly classroom seminar and a two-week (80 hours) supervised clinical experience emphasizing participation and basic clinical skills.

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 ADMINISTRATION AND MANAGEMENT FOR PHYSICAL THERAPY ASSISTANTS Study of basic principles of administration and management in the practice of physical therapy with emphasis on understanding the basic levels of authority and responsibility, time management, hierarchical supervisory structures, performance evaluations, policies and procedures, and fiscal planning as applied to the physical therapist assistant. Also included is a study of the current health system in relation to the operational management of the physical therapy department.

2295 MEDICAL LECTURES FOR ASSISTANTS Diseases, traumatic disorders, and developmental abnormalities which affect the musculoskeletal, neurological, and other pertinent body systems.

2325 CLINICAL INTERNSHIP II FOR ASSISTANTS Clinical Internship II for Assistants is a weekly classroom seminar and a four-week, supervised (160 hours) clinical experience designed to continue the development of student's clinical skills and confidence in the clinical setting.

2330 THERAPEUTIC EXERCISE FOR ASSISTANTS Exercise techniques in the care of patients with various clinical disorders through laboratory simulations and practice.

2335 CLINICAL INTERNSHIP IV FOR ASSISTANTS Clinical Internship IV is a continuation of Clinical Internship III. It is a five-week, full-time supervised clinical experience designed to run consecutively with Clinical Internship III to provide one five-week inpatient clinical internship and one five-week outpatient clinical internship.

2340 NEUROPHYSIOLOGICAL AND REHABILITATION TECHNIQUES FOR ASSISTANTS Neurophysiological and rehabilitation techniques for such clinical disorders as cerebral palsy, cerebrovascular accidents, spinal cord injury, and cardiac infractions.

2350 KINESIOLOGY AND FUNCTIONAL MEASUREMENTS Structural and functional aspects of the human body with emphasis on functional measurements including manual muscle testing, goniometry, posture, and gait.

Upper-division courses in physical therapy are available only to students admitted to the physical therapy program. Telephone for further information: (501) 450-3611.

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PRE-CARDIO-RESPIRATORY CARE

UCA Undergraduate Bulletin, 1998–2000

Advisor: Dr. Jerome, 450-5578

THE PROFESSION

Students graduating with a degree in cardio-respiratory therapy must be accredited by the Council on American Medical Association Commission on Accreditation of Allied Health Programs and the Committee on Accreditation for Respiratory Care. In addition to the attainment of academic knowledge and skill required for professional duties, students are guided toward the development of the necessary communicative and personal skills needed to function smoothly as a member of a health care team.

REQUIREMENTS

Students pursuing a career in respiratory therapy should complete general education requirements, plus BIOL 2405, BIOL 2411, 8 hours of chemistry, 4 hours of physics, and 3 hours of basic computer fundamentals/applications at UCA. Students should then contact the respiratory therapy program they plan to attend for specific information about degree requirements.

Students holding hours from UAMS who have completed respiratory therapy accreditation without receiving the Bachelor of Science degree should contact the chair of the Department of Health Sciences, UCA.

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PRE-DENTAL HYGIENE

UCA Undergraduate Bulletin, 1998–2000

Advisor: Dr. Fox, 450-3194

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 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 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:

WRTG 1310 and 1320, SPCH 1300, HIST 1310 or 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, CSCI 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.

Apply to the dental hygiene clinical program during the spring semester of the sophomore year. The Dental Hygiene program at UAMS will only start a candidate in its program at the beginning of the fall semester.

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RADIOGRAPHY

UCA Undergraduate Bulletin, 1998–2000

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- Advisor
- Purposes
- Requirements
- Courses in Radiography

ADVISOR

Advisor: Ms. Stephens, 450-5541

PURPOSES

The Department of Health Sciences, in cooperation with Baptist Medical Center and St. Vincent Infirmary Medical Center in Little Rock and Jefferson Regional Medical Center in Pine Bluff offers a Bachelor of Science with a major in radiography. 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 radiography. In all cases, students will be required to complete a minimum of 30 hours at the University of Central Arkansas.

The clinical curriculum is 24 months in duration and the application deadline for the clinical phase is March 1. Admission to this curriculum is on a competitive basis.

The professional curriculum is accredited by the Committee on Allied

Health Education and Accreditation of the American Medical Association. Graduates of the professional curriculum are eligible for examination by the American Registry of Radiologic Technologists.

REQUIREMENTS

The following are required for completion of this program:

- The general education component.
- Other required courses: CSCI 1300, PSYC 1300, PSYC 3360 OR 4320, BIOL 1400, 2405, PHYS 1405, MATH 1390.
- Elective (approved by advisor: 3 hours)
- Clinical program at affiliated hospital (72 hours)

COURSES IN RADIOGRAPHY

2110 **INTRODUCTION TO RADIOGRAPHY** Structure, policies, and procedures of the school, radiology department, and hospital. Brief history of medicine and radiology. Professional organizations, licensure, and career opportunities. Basic principles of radiation protection are introduced.

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 confidentially 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 RADG 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 RADG 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 RADG 2213.

2231 PRINCIPLES OF RADIOGRAPHIC EXPOSURE II Continuation of RADG 2223.

2232 RADIOGRAPHIC PROCEDURES III Continuation of RADG 2224.

2233 RADIATION PHYSICS I General theories of physics at atomic and subatomic levels, electrostatics, and electronics related to radiographic practice, x-ray tubes and transformers, circuits, and equipment. The production of x-radiation, its properties, measurements, and interaction with matter.

2420 CLINICAL EDUCATION II Continuation of RADG 2510.

2510 CLINICAL EDUCATION I Application of the skills and knowledge obtained in didactic education to the practical application in the clinical setting under direct supervision and instruction. Correlated with other courses in the curriculum, the student learns to explain and perform radiographic procedures, evaluate radiographs for positioning accuracy and image quality, and develop expertise in the necessary interpersonal relationships.

2530 CLINICAL EDUCATION III Continuation of 2420.

3140 PRINCIPLES OF RADIATION BIOLOGY Effects of ionizing radiations on living tissues. Included are discussions on relative sensitivity and resistance of organ systems, cellular and systematic response to radiation and in-utero response to radiation. Acute and late effects of radiation.

3141 PRINCIPLES OF RADIATION PROTECTION Interactions of radiation with matter, its biological effects, and the need for protection. Methods for minimizing exposure to patients, maximum permissible dose equivalents, personnel monitoring, shielding, and methods of measuring ionizing radiation.

3142 EVALUATION OF RADIOGRAPHS III Continuation of RADG 2130.

3143 RADIATION PHYSICS II Continuation of RADG 2233.

3144 RADIOGRAPHIC PROCEDURES IV Continuation of RADG 2232.

3150 EVALUATION OF RADIOGRAPHS IV Continuation of RADG 3142.

3151 RADIOGRAPHIC PROCEDURES V Continuation of RADG 3144.

3250 IMAGING EQUIPMENT Various methods of recording images and relationship of principles of diagnostic imaging to the process of image production and the specific equipment required. Includes image intensification, magnification, tomography, serial radiography, and xeroradiography. Advanced imaging techniques, including C-T, UltraSound, Nuclear Medicine, Digital radiography, and Magnetic Resonance Imaging.

3740 CLINICAL EDUCATION IV Continuation of RADG 2530.

3851 CLINICAL EDUCATION V Continuation of RADG 3740.

4160 INTRODUCTION TO COMPUTER LITERACY Fundamental principles of computer terminology. Computer concepts and history, and computer applications in Radiology. Hands-on experience with a microcomputer, utilizing software pertinent to the field of radiology and computer-assisted instruction.

4161 SENIOR SEMINAR Review sessions in those courses deemed critical for the registry examination. Simulated registry examinations to aid in preparation and familiarization with conditions 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 RADG 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 RADG 3851.

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RESPIRATORY THERAPY

UCA Undergraduate Bulletin, 1998–2000

Advisor: Dr . 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 American Medical Association Commission on Accreditation of Allied Health Educational Programs, and the Committee on Accreditation for Respiratory Care.

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) the general education component; (2) degree requirements; and (3) 45 hours of professional courses taken at UAMS Texarkana Campus.

Program undergraduate requirements:

General education requirements (35 hours), CHEM 1401 and 1403, MATH

1390, BIOL 2405 and 2411, CSCI 1300, SOC 1300, PSYC 1300, PHYS 2410, SPCH 1310, electives approved by the advisor (10 hours).

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SPEECH-LANGUAGE PATHOLOGY

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
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- Admission and Retention
- Baccalaureate Degree
- Master's Degree
- Courses in Speech-Language Pathology

FACULTY

Interim Chair and Associate Professor: Dr. Moss-Logan, 450-3176
Professor: Dr. McNiece
Associate Professors: Dr. Logan, Mr. Thurman
Assistant Professor: Dr. Lance
Instructors: Ms. Fusilier, Ms. Graham, Ms. Lack, Ms. McDaniel, Ms. Parker, Ms. S. Ross, Mr. B. Ross

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, complete clinical observation and 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), SPTH 4303 (Intermediate Sign Language), and SPTH 4310 (Assistive Technology) 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 BS 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:

1. Junior status with an overall undergraduate grade point average of 2.7.
2. A major grade point average of 3.0.
3. A formal interview with the faculty.
4. 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

1. Maintain a minimum overall grade point average of 2.7,
2. Maintain a minimum major grade point average of 3.0, and
3. Observe the fundamental rules of ethical conduct as described in the Code of Ethics of the American Speech-Language Hearing Association).

BACCALAUREATE DEGREE

Bachelor of Science

The degree of Bachelor of Science, with a major in Speech-Language Pathology, requires completion of (1) the general education component; (2) degree requirements; (3) major requirements; and (4) the option to complete a minor as worked out with the student's 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**

Major requirements: SPTH 2300, 2322, 3300, 3301, 3306, 3310, 3311, 3320, 3321, 3325, 3326, 4110, 4111, 4115, 4116, 4220, 4320.

Related requirements: PSYC 2370, 3 hours in statistics (PSYC, SOC or MATH).

MASTER'S DEGREE

See *Graduate Bulletin*.

COURSES IN SPEECH-LANGUAGE PATHOLOGY

2300 INTRODUCTION TO CLINICAL SPEECH Introductory study of communication, its disorders, and the professions of speech-language pathology and audiology. Overview of normal development as well as various communication disorders occurring with speech and language. Observation of clinical activities. Fall, spring, summer.

2303 BASIC SIGN LANGUAGE Introductory course in signed English, pidgin signed English. Fall, spring, summer.

2322 APPLIED PHONETICS Introductory study of the principles of phonetic science with practical application. Fall, spring, summer.

3300 PHONOLOGICAL ACQUISITION A study of the development of the phonological system from birth through early elementary school years. Interactions of the sound system with other linguistic, motor, and cognitive behaviors will be identified. Admission to program. Prerequisites: SPTH 2300 and 2322. Spring, summer.

3301 ARTICULATION DISORDERS Study of etiology, evaluation, and therapy for children and adults having articulation/phonological defects. Admission to program. Prerequisite: SPTH 3300. Fall, summer.

3306 ANATOMICAL AND PHYSIOLOGICAL BASES OF COMMUNICATION Study of anatomy, physiology, and related pathophysiology of the vocal mechanism and other body structures involved in motor and sensory aspects of speech production. Admission to program. Fall.

3310 FUNDAMENTALS OF AUDIOLOGY Introduction to the auditory process and its role in communication. Special consideration is given to anatomy and physiology of the ear, etiology and management of auditory disorders, physics of sound, and measurement of hearing loss. Admission to program. Fall, spring.

3311 FUNDAMENTALS OF SPEECH AND HEARING SCIENCE Basic principles of acoustics related to speech and hearing are studied. Areas covered include: basic sound, mathematical computation of sound intensity and pressure, physiological aspects of acoustics. Admission to program. Fall.

3320 LANGUAGE PATHOLOGIES IN CHILDREN Analysis of disciplines, theories, and practices pertaining to developmental, organic, and psychological language disturbances in children. Admission to program. Prerequisite: SPTH 3321. Spring.

3321 ACQUISITION AND DEVELOPMENT OF NORMAL SPEECH AND LANGUAGE Study of normal speech and language acquisition and growth from first vocalization to abstract thought. Admission to program. Fall.

3325 FUNDAMENTALS OF CLINICAL MANAGEMENT Introductory study of clinical management of speech, language and hearing disorders. Observation of clinical activities. Admission to program. Spring.

3326 DIAGNOSIS OF COMMUNICATION DISORDERS Methods and procedures for diagnosing and appraising disorders of speech, language, and hearing, including study of and practical experience in administration of tests applicable to these disorders. Admission to program. Fall, spring.

4110 CLINIC SEMINAR I Seminar to accompany Clinical Practicum I, designed to enhance the clinical experiences of the practicum student within the UCA Speech-Language-Hearing Center. Admission to program. Fall, spring.

4111 CLINIC SEMINAR II Seminar to be taken in conjunction with Clinical Practicum II. Focus on assessment and remediation of phonological and language disorders. Admission to program. Fall, spring, summer.

4115 CLINICAL PRACTICUM I Opportunity for direct observation of speech and language therapy, experience in writing goals and practice collecting data from therapy session. Admission to program. Fall, spring.

4116 CLINICAL PRACTICUM II Supervised clinical experience in the treatment of individuals with speech-language delays. Prerequisite: successful completion of Clinical Practicum I, SPTH 4115. Spring, summer.

4220 DIAGNOSIS AND PLANNING Provide practice in writing and interpreting a variety of reports used in the field of speech-language pathology. Planning goals for therapy from these reports will also be emphasized. Spring.

4303 INTERMEDIATE SIGN LANGUAGE Emphasis on increasing pidgin signed English skills and introduction to American Sign Language. Prerequisite: SPTH 2303. Fall, spring, summer.

4304 PUBLIC SCHOOL SPEECH THERAPY Emphasis on role of the speech-language pathologist in public schools as a member of the educational team. Admission to program. Fall.

4310 ASSISTIVE TECHNOLOGY Collaboratively taught by occupational therapy, physical therapy, speech-language pathology and special education. Offers information and hands-on experience with assistive technology in the domains of vision, hearing, cognition, mobility, communication, and environmental controls. Fall, spring, summer.

4320 COUNSELING IN SPEECH-LANGUAGE PATHOLOGY History of the development, value, and limitations of counseling in speech therapy. A variety of counseling techniques relevant to diagnosis and treatment in speech-language pathology will be described and practiced. Admission to the program. Spring.

4350 HONORS IN SPEECH-LANGUAGE PATHOLOGY Selected students are assigned to a faculty mentor who has expertise in student's chosen topic. The student will write a research paper that reflects quality worthy of an honor designation. Prerequisite: selected students are invited to do honors by faculty. Fall.

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COLLEGE OF LIBERAL ARTS

UCA Undergraduate Bulletin, 1998–2000

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- Minors
- First-Year Seminars in General Education

DEANS

Interim Dean and Associate Professor: Dr. Peter Mehl, 450-3167
Interim Assistant Dean and Assistant Professor: Dr. Jeffrey Allender

MISSION

The College of Liberal Arts is a community of teachers, scholars, and students whose primary mission is the pursuit of 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 of different disciplines, cultures, and viewpoints. The College of Liberal Arts is committed to establishing and maintaining a culturally diverse environment characterized by openness and mutual respect. Through its recruitment of faculty, staff, and students, its curricular offerings, and its extra-curricular activities, the college seeks to introduce students from many backgrounds to the great diversity of groups and cultural traditions that characterizes American society and the broader world.

The college provides university students with a broad education in the liberal arts. The goals of such liberal undergraduate education include the following:

- 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 enable students to reason clearly, to inquire deeply into the purposes and consequences of events and to exercise sound, critical judgment;
- 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 more complete, flexible human beings who understand the complexity of a constantly changing world and who are prepared to function effectively in the global community.

All students at the university, usually in their first two years, take between 15 and 21 hours of general education courses in the college. In addition, the College of Liberal Arts provides opportunities for more comprehensive learning in a number of academic areas, including several interdisciplinary programs. Students who choose one of the college's major or minor undergraduate programs of study 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, and Spanish are provided for post-baccalaureate students who wish a more advanced, focused education in these areas. Through public 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.

DEPARTMENTS

The college consists of the following departments:

English
Foreign Languages
Geography, Political Science, and Sociology
History
Philosophy and Religion

PROGRAMS WITH DEPARTMENTAL HONORS

English
French
Geography
History
Philosophy
Political Science
Sociology

Spanish

DEGREES OFFERED

Bachelor of Arts

English
French
Geography
History
Philosophy
Political Science
Religious Studies
Spanish
Sociology

Bachelor of Science

Geography
History
Philosophy
Political Science
Public Administration
Sociology

Bachelor of Science in Education

English
Social Studies, History Emphasis

Pre-Professional Studies

Pre-Law

Master of Arts

English
History

Master of Science in Education

Spanish

MINORS

Minors are available in the following subjects:

Asian Studies
English
French
Geography
Geographic Information Science
German
History
Latin American Studies
Philosophy
Political Science
Religious Studies
Social Studies, History Emphasis
Sociology
Southern and Arkansas Studies
Spanish

FIRST-YEAR SEMINARS IN GENERAL EDUCATION

The College of Liberal Arts has adopted a unique and innovative program of first year seminars in general education. Under one of two areas of general education, faculty propose, develop, and teach a small (15 students) seminar that is designed to increase knowledge in a general education area of study and to extend competence in the core skills of thinking, writing, and speaking. This is achieved with an intense introduction to an area of human understanding *through* skills-based instruction in thinking, writing, and speaking. As small seminar-style courses, these first year seminars provide an opportunity for extensive personal interaction between students and faculty. First year seminars also provide an avenue for faculty to rethink and reinvigorate their general

education teaching.

These topics courses fulfill general education requirements in the following areas:

FYFS 1301	**First Year Seminar: Studies in Humanities** Fulfills the 3 hour requirement in humanities
FYFS 1310	**First Year Seminar: Studies in World Cultural Traditions** Fulfills the last 3 hours of the 9 hour requirement in world cultural traditions

Each year new specific first-year seminars will be developed and offered under the above topic headings. A student cannot take more than one First-Year Seminar. Previous first-year seminars have included the following courses:

FYFS: Studies in Humanities: Social Justice in a Diverse Society

FYFS: Studies in Humanities: Cultural Identities of the French-Speaking World

FYFS: Studies in Humanities: American Movies/American Mythology

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ASIAN STUDIES

UCA Undergraduate Bulletin, 1998–2000

Coordinator and Associate Professor: Dr. Cohen (Art), 450-5791

PURPOSES

The objective of the Asian Studies minor is to provide students with an overview of and orientation to topics related to Asia and will serve as a foundation upon which they may plan graduate study or other careers such as international business.

Minor in Asian Studies **18 Hours**

The minor in Asian Studies requires successful completion of the requirements listed below. ART 2325; HIST 3303; PHIL 3352; FLAN 2315; plus 6 hours of electives from the following: ART 3385; ART 3395; HIST 3304; HIST 4381; HIST 4383; JAPN 1310; JAPN 1320; ECON 4380; ENGL 3325 (when Asian theme offered).

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ENGLISH

UCA Undergraduate Bulletin, 1998–2000

Browse the document or jump directly to one of the listed sections.

- Faculty
- Purposes
- The Honors Program in English
- Baccalaureate Degrees
- Master's Degree
- Courses in English

FACULTY

Interim Chair and Professor: Dr. Stengel, 450-5100
Professors: Dr. Anderson, Dr. Davenport, Dr. Frontain, Dr. Glenn, Dr. Henderson, Dr. Kearns, Dr. Lowrey, Dr. McGraw, Dr. Melchior, Dr. Rogers, Dr. Shumaker
Associate Professors: Dr. Fowler, Dr. Gaughan, Dr. Schaefer, Ms. Williams

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 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 Art, with a major in English, requires successful completion of at least 124 hours, including (1) 36 hours in English; (2) the general education component; (3) degree requirements; and (4) a minor or completion of the teacher preparation program.

Major in English **36 Hours**

Thirty-six hours of English of which at least 21 must be upper-division.

WRTG 1320; 3301; ENGL 2310; 2311; 2312; 2313; 3312; a genre course; a period course; a figure course; 2 upper-division English electives, 6 hours. (ENGL 4361 is required for teacher certification.)

Minor in English **27 Hours**

Twenty-seven hours of English of which at least 12 must be in upper-division courses.

WRTG 1320; 3301; ENGL 2310; 2311; 2312; 2313; 3312; 2 upper-division English electives, 6 hours. (ENGL 4361 is required for teacher certification.)

MASTER'S DEGREE

See *Graduate Bulletin*.

COURSES IN ENGLISH

2305 **WORLD LITERATURE I** Introduction to world literature from ancient Greece through the Renaissance. May not be offered as part of the major or minor. Fall, spring, summer.

2306 **WORLD LITERATURE II** Introduction to world literature from the Enlightenment through Modernism. May not be offered as part of the major or minor. Fall, spring, summer.

2310 **ENGLISH LITERATURE I** Survey through the Eighteenth Century. Fall, spring.

2311 **ENGLISH LITERATURE II** Survey from the Eighteenth Century to the present. Fall, spring.

2312 **AMERICAN LITERATURE I** Survey from the beginning to 1850. Fall, spring.

2313 **AMERICAN LITERATURE II** Survey from 1850 to the present. Fall, spring.

2370 **INTRODUCTION TO FICTION** Emphasis upon the short novel and the short story. Fall, spring.

2380 **INTRODUCTION TO POETRY** Traditional and contemporary English and American poetry. Fall, spring.

2390 **INTRODUCTION TO DRAMA** Representative traditional and contemporary plays. Fall, spring.

3310 **CHILDREN'S LITERATURE** Extensive reading of various types of books for children; planning of reading lists for children in different age groups. For students majoring in elementary education, early childhood education, special education, speech pathology and audiology, and, under certain approved circumstances, occupational therapy. Fall, spring.

3312 **MODERN GRAMMARS** Introduction to the science of linguistics, its terminology, its methods and its relation to the study of English. Traditional, structural, and transformational-generative approaches. Some particular problems related to the teaching of English grammar in public schools. Fall, spring.

3315 **GENDER AND LANGUAGE** Topics in language use and gender. On demand.

3325 **ADVANCED READINGS IN WORLD LITERATURE** Selected topics of World Literature for English majors and minors. On demand.

3343 **SOUTHERN LITERATURE** Poetry and prose of representative 20th century southern writers. On demand.

3371 **THE MODERN NOVEL** English, American, and Continental novelists of the 20th century. On demand.

3372 **AMERICAN NOVEL TO 1900** American novels of the Eighteenth and Nineteenth Centuries. On demand.

3382 **HISTORY OF THE ENGLISH LANGUAGE** A survey of the development of English from the Anglo-Saxon to the modern period. On demand.

3611 **TRAVEL SEMINAR IN ENGLISH LITERATURE** Two weeks of intensive study on campus of the literature of Great Britain and its backgrounds followed by a three-week tour of Scotland, Ireland, and England visiting literary sites. Prerequisite: sophomore standing and a minimum of 6 semester hours of college English. Summer only. On demand.

4300 **READINGS FOR HONORS DEGREE** Tutorial taken in the junior year by students who elect to study toward an honors degree in English. A reading list, chosen by the student and his tutor with the department chair's approval, will provide the foundation for a thesis to be written by the honors candidate during the senior year. Consent of instructor and chair. Spring.

4301 **THE RENAISSANCE** Major non-dramatic writers of Tudor and early Seventeenth Century England. On demand.

4304 **STUDIES IN ENGLISH AND AMERICAN LITERATURE** Concentrated study of different special topics on groups of writers, literary movements, or interesting sub-genres. May be taken only one time without approval of the department chair. On demand.

4305 **MEDIEVAL ENGLISH LITERATURE** An overview of English Medieval Literature (exclusive of Chaucer). Anglo-Saxon and some Middle English texts will be taught in translation, but Middle English will be retained whenever possible. On demand.

4311 **THE NEO-CLASSICAL PERIOD** Major writers from the Restoration to the end of the Eighteenth-Century. On demand.

4313 **AMERICAN ROMANTICISM AND REALISM** The major works in American Romanticism and Realism, 1830-1900. On demand.

4312 **AMERICAN PROVINCIAL LITERATURE** American Literature from its beginnings to 1830. Spring, even years.

4320 **THE ROMANTIC PERIOD** English Romanticism from its Eighteenth Century precursors through major Romantic writers of prose and poetry. On demand.

4321 **THE VICTORIAN PERIOD** Poetry and prose of major English writers of the latter part of the Nineteenth Century. 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. On demand.

4331 **SHAKESPEARE II** Similar to Shakespeare I, using other plays in each of the several genres, and narrative poems. 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). On demand.

4344 **ENGLISH DRAMA 1660 TO PRESENT** English Drama from the reopening of the theaters in 1660 to the present. The course generally will focus on one or more of the following: Etherege, Wycherley, Congreve, Dryden, Goldsmith, Sheridan, Wilde, Shaw, Yeats. On demand.

4352 **AMERICAN MODERNISM, 1900-1945** A study of American literature, its influences and background from 1900-1945. Spring, odd years.

4353 **AMERICAN POSTMODERNISM, 1945 TO PRESENT** American literature from the end of World War II until the present. Fall, odd years.

4358 **METHODS OF TEACHING ENGLISH** A study of methods used in the teaching of English. May not be offered as part of the major or minor. Fall, spring.

4361 **LITERATURE FOR ADOLESCENTS** Literature for adolescents and exploration of motivational approaches to teaching literature in secondary schools. Fall, spring.

4372 **18TH CENTURY ENGLISH NOVEL** English novels of the Eighteenth Century. On demand.

4373 **19TH CENTURY ENGLISH NOVEL** English novels of the Nineteenth Century. On demand.

4374 **20TH CENTURY ENGLISH NOVEL** English novels of the Twentieth Century. On demand.

4375 **20TH CENTURY ENGLISH POETRY** English poetry of the Twentieth Century. On demand.

4380 **AFRICAN AND AFRICAN-AMERICAN LITERATURE** A survey of African and African-American literature from the Eighteenth Century to the present. Annually.

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ENVIRONMENTAL STUDIES

UCA Undergraduate Bulletin, 1998–2000

Advisor and Assistant Professor: Dr. Allender (Geography), 450-5641

COURSES IN ENVIRONMENTAL STUDIES

3410 INTRODUCTION TO ENVIRONMENTAL SCIENCE/ENVIRONMENTAL STUDIES Introduction to the environmental problems facing mankind; the scientific, economic and social bases of these problems; potential solutions; and methodologies of environmental assessment. Prerequisites: BIOL 1440, 1441; CHEM 1450, 1451; and GEOG 1315 or PHYS 1402. Spring.

4310 PRACTICUM IN ENVIRONMENTAL SCIENCE/ENVIRONMENTAL STUDIES Supervised research on environmental problems using modern field collection techniques and methods of data analysis and interpretation. This course requires cooperative research with other students to fully investigate an environmental topic. Fall.

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FOREIGN LANGUAGES

UCA Undergraduate Bulletin, 1998–2000

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- Bachelor of Arts: Foreign Language Requirement
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- Proficiency Tests
- Master's Degree
- Courses

FACULTY

Chair and Associate Professor: Dr. Brodman, 450-3168
Associate Professors: Dr. Langston, Dr. Pouwels
Assistant Professors: Dr. Bailey, Dr. Zambrano
Lecturer: Ms. Carlin

PURPOSES

- To develop proficient students with a functional control of the four fundamental language skills: speaking, listening, reading, and writing.
- To increase awareness and understanding of other cultures.

- To enable students to function effectively in a changing global community.
- To stress the relevance of the study of foreign language and culture to literature.
- To develop a lasting appreciation for literature.
- To increase awareness of the applications of foreign language study to career objectives.

PROGRAM

Major programs are offered in French and Spanish and minor programs are offered in French, German, and Spanish. The curriculum permits maximum exposure to everyday language and cultural situations as well as in-depth study of general and specific topics in literature. Students are encouraged to explore all areas of language and civilization.

Foreign language majors are counseled to combine a second major or a minor in a related area of interest which will enhance their preparation for a professional career. Upon graduation, majors may qualify to teach on the secondary level, to attend graduate school, or to secure employment in any one of a variety of fields requiring proficiency in a foreign language.

ADVANCED PLACEMENT

The Foreign Languages department participates in the advanced placement program. Courses and the minimum requirements to be met in order to earn credit can be found elsewhere in the bulletin.

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 6 hours in a language or 12 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.
2. Satisfactory completion, with a minimum grade of B, of the next foreign language course above the level for which credit is to be awarded.

BACHELOR OF ARTS: FOREIGN LANGUAGE REQUIREMENT

The Bachelor of Arts degree requires completion of 3 semester hours of a foreign language at the 2000-level or above.

HONORS STUDY IN FRENCH OR SPANISH

During the senior year, a student majoring in French or Spanish may be invited to become a candidate for departmental honors. Minimal requirements for graduation with honors are:

1. Achievement of a 3.25 GPA overall and a 3.40 in the major.
2. Demonstration of advanced level proficiencies in all four skills (speaking, listening, reading, and writing) on a senior exit examination.
3. Successful completion of course 4310 demonstrated by submission and approval of a research paper on a literary, cultural, or linguistic topic.
4. Presentation of an oral defense of the research paper before a committee made of three members of the faculty of the department.

BACCALAUREATE DEGREES

Bachelor of Arts

The degree of Bachelor of Arts, with a major in French or Spanish, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; (3) a major program in French or Spanish as outlined below; and (4) a minor as planned with the student's minor advisor.

Major in French or Spanish **30 Hours**

A major in French or Spanish requires the following:

1. A minimum of 30 hours of courses at the 2310 level or above. These 30 hours must include
    - Courses 3300 and 3303;
    - Three hours of culture and civilization (3312, 3313 or 4396);
    - Three hours of literature (3320, 3321 or 4395);
    - French 4350 (for French majors only);
    - One course at the 4000 level (Spanish majors).
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 the following:

1. A minimum of 18 hours at the 2310 level or above. These 18 hours must include
    - Course 3300;
    - Course 3303 (Spanish and German); course 3303 or 4350 (French);
    - Three hours of culture and civilization (3312, 3313 or 4396);
    - 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 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 Bulletin*.

COURSES

Index of Course Listings

Foreign Language
French
German
Japanese
Latin
Russian
Spanish

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 STUDIES** 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 BA degree. Satisfies 3 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, English as a second language, and culture. Materials, planning, and classroom techniques are emphasized. May not be presented as part of the foreign language major or minor requirements. Consent of chair. On demand.

Courses in French

1111 **BASIC FRENCH COMMUNICATION** Oral practice in basic French communication for social and travel situations. Laboratory setting. Concurrent enrollment in 1310 or some previous language experience.

1211, 2212 **COMMUNICATING IN FRENCH I and II** Oral practice of French in social, travel, and business situations. On demand.

1301 **FRENCH FOR READING KNOWLEDGE** Designed to enable students with no prior knowledge of French to acquire a basic reading competency. Includes an overview of the principles of French grammar and the study of texts related to students' fields of study. Of special interest to students preparing for graduate school. On demand.

1310 **ELEMENTARY FRENCH I** Beginning study of French. Basic communication skills are emphasized. Fall, spring.

1320 **ELEMENTARY FRENCH II** Continued study of the elements of French and practice in communication skills. Prerequisite: FREN 1310 or consent of chair. Fall, spring.

2310 **FRENCH CONVERSATION AND COMPOSITION I** Review of basic skills. Study of cultural and literary texts. Prerequisite: FREN 1320 or consent of chair. Fall, spring.

2320 **FRENCH CONVERSATION AND COMPOSITION II** Basic review with special emphasis on reading and writing. Prerequisite: FREN 2310 or consent of chair. Fall, spring.

2330 **BUSINESS FRENCH** Special applications of French to the business environment. Emphasis on a broad range of topics related to the needs of people working or living in the French business community. Prerequisite: FREN 2310 or consent of chair. On demand.

3160, 3260 **PRACTICUM IN FRENCH** Designed to enhance communication skills and cultural knowledge through participation in authentic language experiences. May be repeated once, but a maximum of 3 hours may be applied to the major or minor program. Prerequisite: FREN 2320 or consent of chair. On demand.

3300 **ADVANCED GRAMMAR AND COMPOSITION I** Study of grammar and practice in writing French. Prerequisite: FREN 2320 or consent of chair. On demand.

3303 **ADVANCED GRAMMAR AND COMPOSITION II** Continued study of grammar and practice in writing in French, with an emphasis on stylistics and rhetoric. Prerequisite: FREN 2320 or consent of chair. On demand.

3312 **FRENCH CIVILIZATION** Survey of historical, literary, and artistic elements of French society with an analysis of modern French customs and social problems. Prerequisite: FREN 2320 or consent of chair. On demand.

3320 **FRENCH LITERATURE I** French literature before 1800. Prerequisite: FREN 3300 or consent of chair. On demand.

3321 **FRENCH LITERATURE II** French literature since 1800. Prerequisite: FREN 3300 or consent of chair. On demand.

4310 **HONORS THESIS** Tutorial taken in the senior year by a student who is invited to enter the honors program in French. A reading list 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: FREN 2320 or consent of chair. 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 consent of chair. On demand.

4100, 4200, 4300 **INDEPENDENT STUDY IN FRENCH** Prerequisite: consent of instructor and chair. 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, 2212 **COMMUNICATING IN GERMAN I AND II** Oral practice of German in social, travel, and business situations. On demand.

1305 **READING GERMAN** Introduction for the beginning student who wishes to concentrate on developing reading skills. Articles in the natural sciences, humanities, and social sciences. 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 consent of chair. 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 consent of chair. 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 consent of chair. 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, 3260 **PRACTICUM** Designed to enhance communication skills and cultural knowledge through participation in authentic language experiences. May be repeated for 6 hours, but a maximum of 3 hours may be applied to the major or minor program. Prerequisite: GERM 2310 or consent of chair. 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 consent of chair. 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 consent of chair. 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 consent of chair. On demand.

3320 INTRODUCTION TO GERMAN LITERATURE Prerequisite: GERM 2310 or consent of chair. 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 consent of chair. 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 consent of chair. On demand.

4100, 4200, 4300 INDEPENDENT STUDY IN GERMAN Prerequisite: consent of chair and instructor. 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 consent of chair. Spring.

2310 JAPANESE CONVERSATION AND COMPOSITION I
Continuation of structure and skills development. Prerequisite: JAPN 1320 or consent of chair. 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 consent of chair. On demand.

2310 INTERMEDIATE LATIN I Continued development of reading and translation skills. Selected readings from Latin authors. Prerequisite: LAT 1320 or consent of chair. On demand.

Courses in Russian

1310 ELEMENTARY RUSSIAN I Beginning study of Russian. Basic skills are emphasized. Fall, spring.

1320 ELEMENTARY RUSSIAN II Continuation of study of grammar and communication skills. Prerequisite: Russian 1310 or consent of chair. Fall, spring.

2310 RUSSIAN CONVERSATION AND COMPOSITION I Continuation of elementary skills with emphasis on communication. Prerequisite: Russian 1320 or consent of chair. Fall, spring.

Courses in Spanish

1111 BASIC SPANISH COMMUNICATION Oral practice in basic Spanish communication for social and travel situations. Laboratory setting. Concurrent enrollment in 1310 or some previous language experience.

1211, 2212 **COMMUNICATION IN SPANISH I AND II** Oral practice of Spanish in social, travel, and business situations. On demand.

1310 **ELEMENTARY SPANISH I** Beginning study of Spanish. Basic communication skills are 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 consent of chair. Fall, spring.

2300 **INTERMEDIATE SPANISH** Practical communication skills with emphasis on intermediate-level proficiencies using culturally authentic materials. Designed for the generalist, in particular, the BA student. Does not apply toward major/minor requirements. Prerequisite: SPAN 1320 or consent of chair. 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 consent of chair. Fall, spring.

2320 **SPANISH CONVERSATION AND COMPOSITION II** Basic review followed by practice in oral and written communication. Prerequisite: SPAN 2310 or consent of chair. 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 consent of chair. 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 6 hours, but a maximum of 3 hours may be applied to the major or minor program. Prerequisite: SPAN 2310 or consent of chair. On demand.

3300 **ADVANCED GRAMMAR AND COMPOSITION I** Intensive practice in writing and speaking idiomatic Spanish, including business and social correspondence. Prerequisite: SPAN 2320 or consent of chair. Fall.

3303 **ADVANCED GRAMMAR AND COMPOSITION II** Continued practice in writing and speaking idiomatic Spanish, including business and social correspondence. Prerequisite: SPAN 2320 or consent of chair. Spring.

3312 **SPANISH CIVILIZATION** Survey of historical, literary, and artistic elements of Spanish society with an analysis of modern Spanish customs and society. Prerequisite: SPAN 2320 or consent of chair. On demand.

3313 **LATIN-AMERICAN CIVILIZATION** Survey of Pre-Columbian civilizations, historical, literary and artistic trends with an analysis of modern Latin-American society. Prerequisite: SPAN 2320 or consent of chair. On demand.

3320 **HISPANIC LITERATURE I** Introduction to Hispanic literature, with emphasis on Spain. Prerequisite: SPAN 2320 or consent of chair. On demand.

3321 **HISPANIC LITERATURE II** Literature of the Spanish speaking world, with emphasis on Spanish America. Prerequisite: SPAN 2320 or consent of chair. 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 BA foreign language requirement only if one other Spanish course is taken in residence. Prerequisite: consent of chair. Summer only.

4310 **HONORS THESIS** Tutorial taken in the senior year by a student who is invited to enter the honors program in Spanish. A reading list 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 consent of chair. 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 consent of chair. On demand.

4396 **HISPANIC STUDIES** 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 consent of chair. On demand.

4100, 4200, 4300 **INDEPENDENT STUDY IN SPANISH** Prerequisite: consent of chair. On demand.

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ORIENTATION, ADVISING, AND REGISTRATION

UCA Undergraduate Bulletin, 1998–2000

Browse the document or jump directly to one of the listed sections.

- Orientation, Advising and Registration
- Changes in Registration/Withdrawal from Courses
- Auditing a Course
- Classification of Students
- Course Numbers
- Credit Hours and Course Loads
- The Credit, No-Credit Grading Option
- Credit by Examination
- College Level Examination Program
- Advanced Placement Program
- Credit by Examination in Foreign Languages
- Course Exemptions and Challenge Examinations
- Correspondence Study for Non-Residence Credit

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 for freshmen and transfer students. Orientation sessions focus on providing students with information to help them succeed at UCA.

The semester schedule of classes contains a detailed outline of registration procedures. All students are expected to register on the dates indicated. Credit is not awarded in any course for which the student is not duly registered. Registration is not complete until all fees have been paid.

Each student is responsible for planning a program of study and for meeting requirements for graduation. Students should become familiar with curricula requirements, course sequences, (indicated by course numbering and prerequisites), upper and lower division requirements, the unit of credit, and the normal study load limit.

All students receive assistance of a faculty advisor. First-year freshmen and students who have not declared a major will receive advising from the Division of Undergraduate Studies in Library 332. Declared students in their sophomore year or higher will receive advising from their major advisor within the department in which the major is located. **It is ultimately the responsibility of all students to be informed of all regulations and requirements and to monitor progress toward a successful university experience, including meeting any and all requirements for a degree from UCA.**

A student should plan each semester's work in advance and submit trial schedules to an advisor for approval. In cases in which it becomes necessary to change from tentative plans, a student should revise plans with the assistance of an advisor.

CHANGES IN REGISTRATION/WITHDRAWAL FROM COURSES

[The official withdrawal policy was revised in 1999. To read the new policy, follow this link: Revised Withdrawal Policy (rec. COD 1999-04-28).]

(See each semester Schedule of Classes). A change-of-course procedure requires approval by the student's advisor and the Registrar. No addition to a student's schedule may be made after the late registration period. The semester schedule of classes contains a detailed outline of the change-of-course procedure.

If a course is dropped within the change-of-course period, no grade will be recorded. Between that period and the middle of the ninth week, a grade of Withdrawn Passing (WP) or Withdrawn Failing (WF) will be recorded at the discretion of the instructor. After the ninth week, a grade of Withdrawn Failing (WF) is automatically recorded. If a student officially withdraws from the university, a grade of withdraw passing (WP) or withdraw (WF) may be recorded at the discretion of the instructor.

Prior to and including the semester during which an undergraduate student is attempting the twenty-fourth hour of work, the student may withdraw from a maximum number of 12 semester credit hours with the grade of W (Withdrawn). These withdrawals count as hours attempted for W consideration purposes but are not used to figure grade point averages. To exercise this option the student must withdraw officially no later than the same deadline as is set for the WP option. The W grade option is applicable only to undergraduate work when the student does not already possess a baccalaureate degree.

AUDITING A COURSE

A student may audit a course with the permission of the instructor and the Registrar if such enrollment is indicated at the time of registration. Changes from "Credit" to "Audit" must be made within the late registration period. As an auditor the student does not take examinations or receive credit. An auditor must comply with the instructor's attendance

requirements. A regular full-time student does not pay an additional fee to audit a course. The part-time student must add the audited course to regular registration in the computation of fees.

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.
Sophomore: A student who has 30 semester hours credit.
Junior: A student who has 60 semester hours credit.
Senior: A student who has 90 or more semester hours credit.

The post-baccalaureate student is one who possesses a baccalaureate degree, is not a graduate student, and is registered in courses for undergraduate credit. A post-baccalaureate student may elect a program of studies beyond the baccalaureate degree but will not be classified as a graduate student and may not enroll for graduate credit.

A student must be officially admitted to the Graduate School before being eligible to enroll in graduate-level courses.

COURSE NUMBERS

The numbering of courses has the following significance:

- The **first digit** indicates the level of the course:

  1000: Courses designed for beginning students.
  2000: Second-level courses, often in the sequential development of programs representing a higher level of sophistication than the 1000-level courses.
  3000: Third-level courses that are open to both sophomores and upper-division students.
  4000: Courses open only to juniors and seniors.

5000 & Higher: Graduate courses open only to students admitted to graduate-level study.

- 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 others offered by the same department.

CREDIT HOURS AND COURSE LOADS

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. 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 (3.0) may enroll is eighteen. A student who has an overall GPA of 3.0 or a GPA of 3.0 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 normal maximum allowable. Permission to take more than a maximum load requires written approval of the student's advisor, chair, and college dean.

While enrolled for residence credit in the university, a student may carry correspondence study for non-resident credit, with the approval of the appropriate college dean or 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, i.e., eligible to be enrolled at UCA, 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.

CREDIT BY EXAMINATION

A student may present no more than 30 hours credit earned through examination toward the associate or baccalaureate degrees.

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 have met the minimum score requirement set by the university, 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. However, 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 Writing, 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 Examination	**UCA Courses**	**Hours Credit**
English Composition with Essay	WRTG 1310 & 1320 (both or neither)	6
Natural Sciences	BIOL 1400 and PHYS 1400	8
Mathematics	MATH 1360	3
Humanities	ART 2300	3
Social Studies-History	Social Studies	3
	Total hours, if all six examinations are passed:	23

The general education requirement in history is three hours of world history. This can be satisfied by passing subject examinations in Western Civilization I and/or Western Civilization II. The requirement of one course in American history or US 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.

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. studio art elective	Score of 5 on Studio: Drawing
	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 1441-Biology II	Score of 4
Chemistry	Chemistry 1450-College Chemistry I	Score of 3
	Chemistry 1450 & 1451-College Chemistry II	Score of 4

Computer Science	CSCI 1310-Computer Science I	Score of 3 on A
	Computer Science 1310 and 3 hr. computer science elective	Score of 3 on AB
Economics	Economics 2320-Principles of Macroeconomics	Score of 3 on Macroeconomics
	Economics 2321-Principles of Microeconomics	Score of 3 on Microeconomics
Foreign Languages	Spanish 2310-Spanish Conversation & Composition I	Score of 3 on Spanish Language
	Spanish 2320-Spanish Conversation & Composition II	Score of 3 on Spanish Literature
	French 2310-French Conversation & Composition I	Score of 3 on French Language
	French 2320-French Conversation & Composition II	Score of 3 on French Literature
	German 2310-German Conversation	Score of 3 on German Language
History	History 1320-World History II European	Score of 3

	History 2302-American Nation II American	Score of 3
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, Music 1233-Ear Training II	Score of 3 on Music
	Music 1340-Introduction to Music Literature	Score of 3 on Music Listening & Literature
Physics	Physics 1410 & 1420-College Physics 1 & 2	Score of 4 on Exam B
Political Science	Political Science 1330-US Government & Politics	Score of 3
Psychology	Psychology 1300-General Psychology	Score of 3
Writing	Writing 1310-Introduction to College Writing	Score of 3
	Writing 1310 & 1320-Academic Writing	Score of 4

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 Office of Dean of Undergraduate Studies.

With the approval of the Dean of Undergraduate Studies, entering freshmen with Advanced Placement credit may be allowed to enroll in and earn upper-division credit in the area for which Advanced Placement credit was earned.

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.

CORRESPONDENCE STUDY FOR NON-RESIDENCE CREDIT

The university provides the opportunity for a person who cannot be in residence to do work by guided correspondence study for non-residence undergraduate 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 credit.

A student must be a high school graduate or possess the equivalent thereof to be eligible to enroll in correspondence courses. Students are not allowed, except by approval of the appropriate dean and registrar, to begin or continue guided correspondence study for non-residence credit while taking work in residence at the university. Students must notify the Division of Continuing Education when they are enrolled for residence

work at the University of Central Arkansas.

Correspondence work will not be counted in lieu of the requirement of one year's work in residence. Where correspondence courses are to count for credit in the senior year, students should check to ensure that 24 of their final 30 hours will be for residence credit.

A correspondence course should be completed within one year from the date of registration. A grace period of one month is allowed for taking the examination if all lessons are submitted within the time limit. If the course is not completed within the one-year limit, the student may renew the course for an additional one year by remitting a renewal fee plus book rental. The maximum extension permitted is two years from the original enrollment.

Credit may be granted for correspondence study through USAFI or any other military program through an accredited institution of higher education.

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Revised Withdrawal Policy

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During the change-of-course period, no grade will be recorded. If a course is dropped between the change-of-course period and the drop deadline specified in the academic calendar, a grade of Withdrawn (W) will be recorded so long as the course instructor has not already dropped the student for non-attendance. If a student is dropped from a course for non-attendance, a grade of Withdrawn Failing (WF) will be recorded.

If a course is dropped after the deadline specified in the academic calendar, a Withdrawn Failing (WF) will be automatically recorded.

--rec. COD, 1999-04-28

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GEOGRAPHY

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- The Honors Program in Geography
- Baccalaureate Degrees
- Courses in Geography

FACULTY

Chair and Professor: Dr. Hy, 450-5353
Associate Professors: Dr. Butt, Dr. Green, Dr. Jameson, Dr. Reynolds
Assistant Professors: Dr. Allender, Dr. Andronikov

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.

THE HONORS PROGRAM IN GEOGRAPHY

During the junior year, a student who has demonstrated superior interest and ability may be nominated to participate in the honors program. Students who complete this program and graduate with honors are in a strong position to compete for awards and grants at leading universities.

BACCALAUREATE DEGREES

Bachelor of Arts

The degree of Bachelor of Arts, with a major in geography, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; (3) the geography courses listed below; and (4) a minor as worked out with the student's advisor.

Major in Geography **37 hours**

Geography core includes 1315, 1320, 2345, 2361, 2362, 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, 2345, 2361, 2362, 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) the general education component; (2) degree requirements; (3) the geography courses listed below; and (4) a minor as worked out with the student's advisor. A

geography major may not minor in geographic information science.

Major in Geography **37 hours**

Geography core includes 1315, 1320, 2345, 2361, 2362, 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, 2345, 2361, 2362, plus 9 hours of geography courses, at least 6 of which must be upper-division.

Minor in Geographic Information Science **21 hours**

A technology-oriented minor designed to strengthen one's use of the tools of geography. Geography core includes 1315, 1320, 2320, 2345, 3306, 3375 and 4330. Students must also successfully complete 3 hours of statistics. Geographic information science minors may not be geography majors.

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, and 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.

2320 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS An introduction to the concepts and applications of geographic information systems. Emphasis is on vector- and raster-based exercises and building a database. Prerequisite: GEOG 1315 or 1320, 2345 or consent of instructor. 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. On demand.

2345 GEOGRAPHIC INFORMATION TECHNIQUES Designed to enhance students' knowledge and understanding of geography, and geographic information and to provide instruction regarding the various techniques geographers employ as they collect, store, manage, analyze, and display geographic data or information. 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 2362 or consent of instructor. On demand.

3325 URBAN AND REGIONAL PLANNING Macrospatial analysis of planning techniques and case studies as evolving and practiced in the US today. Emphasis will be upon the rapidly changing trends, philosophies, and techniques in the planning field, with contemporary statistical analysis and 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. The components of the daily weather forecasts are described and world's climates analyzed. Fall.

3361 GEOGRAPHY OF LANDFORMS Examination of landforms of the earth's surface including those resulting from diastrophism, volcanism, plate tectonics, weathering, mass movement, running water, karst, glacial ice, periglacial environments, wind, and breaking waves. Prerequisite: GEOG 1315 or consent of instructor. Spring, even years.

3371 URBAN GEOGRAPHY Various aspects of the distribution of urban settlements, the internal structure of urban areas, and an analysis of the growth, development, and problems of the American city. Fall, even years.

3375 **CARTOGRAPHY** Map construction and spatial display of data. Computer-aided construction and design are emphasized. In addition, the elements of geographic analysis are introduced. Prerequisite: GEOG 1315 or 1320 and GEOG 2345. Fall, spring, summer on demand.

3380 **GEOGRAPHY OF ARKANSAS** An examination of the physical and cultural geography of the state of Arkansas. Fall, odd years, summer.

3381 **POLITICAL GEOGRAPHY** Spatial political phenomena from both traditional and contemporary perspectives. Traditional topics include the coincidence of state and nation, boundaries, claims to territory, and state location, shape, and size. Contemporary topics include political processes and territorial integration, location and residential quality, and local policy in metropolitan areas. Prerequisite: GEOG 1320. Fall, odd years.

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.

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. Summer.

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 significant trends of thought that have developed in human geography since 1945. Spring, odd years.

4330 **GEOGRAPHIC INFORMATION ANALYSIS** The construction and methods of analysis of both raster and vector spatial databases with application to the functions of municipalities, state public domain agencies and business. Emphasized will be such geographic information systems problem-solving techniques as layering, networks, buffering, paths, and query. Prerequisite: GEOG 2345, 2320 or consent of instructor. Spring.

4390 **HISTORICAL GEOGRAPHY OF THE UNITED STATES** A comprehensive treatment of the evolving geography of the United States during the past four centuries. Fall, even years.

4391 **RESEARCH SEMINAR** Introduction to the scientific research methods and quantitative techniques with particular pertinence to geographic study. These methods and techniques are used to initiate investigation into a contemporary student-identified geographic problem and to 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.

4160, 4260, 4360 **SPECIAL PROBLEMS IN GEOGRAPHY** Experience in observing and interpreting geographic phenomena. Credit from one to three semester hours may be earned in one 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.

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HISTORY

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FACULTY

Chair and Professor: Dr. Schuyler, 450-3158
Professors: Dr. Brodman, Dr. Corcoran, Dr. Pouwels, Dr. Readnour, Dr. Taylor, Dr. Thompson, Dr. Urwin
Associate Professors: Dr. Barnes, Dr. Hammond, Dr. Jones, Mr. Webb
Assistant Professors: Dr. Gordy, Dr. Perreault
Visiting Assistant Professors: Dr. Chalmers, Dr. Sindelar
Instructor: Ms. Landreth

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

Upper-division 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, including (1) the general education component; (2) degree requirements; (3) history courses as indicated below; and (4) a minor as worked out with the student's minor advisor.

Major in History **36 Hours (15 upper-division)**

Three hours of HIST 1310 or 1320 beyond the general education minimum; HIST 2301, 2302 (upper-division US history hours may be substituted with departmental approval); HIST 4300; history electives, 21

hours (must include at least 6 hours from US history and 6 hours from world history courses excluding HIST 4310). Beginning in 1998/1999, a sophomore history methods course will be required for the major.

Minor in History **24 Hours (6 upper-division)**

HIST 1310, 1320, 2301, 2302 (upper-division US history may be substituted with departmental approval); history electives, 12 hours excluding HIST 4310.

Bachelor of Science

The degree of Bachelor of Science, with a major in history, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; (3) history courses as listed below; and (4) a minor as worked out with the student's minor advisor.

Major in History **36 Hours (15 upper-division)**

Three hours of HIST 1310 or 1320 beyond the general education minimum; HIST 2301, 2302 (upper-division US history hours may be substituted with departmental approval); HIST 4300; history electives, 21 hours (must include at least 6 hours from US history and 6 hours from world history courses excluding HIST 4310). Beginning in 1998/1999, a sophomore history methods course will be required for the major.

Minor in History **24 Hours (6 upper-division)**

HIST 1310, 1320, 2301, 2302 (upper-division US History may be substituted with departmental approval); history electives, 12 hours excluding HIST 4310.

Bachelor of Science in Education

The degree of Bachelor of Science in Education, with a major in social studies (history emphasis), requires successful completion of 136 hours, including (1) the general education component; (2) degree requirements; (3) History 4310; (4) directed teaching in social studies; and (5) history

and social studies courses listed below. It is standard practice for all Social Studies-History Emphasis majors and minors to student teach. Students should enroll in History 4310 prior to their enrollment in directed teaching. Several courses that meet general education requirements will also meet the social studies major requirements, and students should select courses in consultation with their advisors. While a minor is not required, students are encouraged to pursue a minor.

Major in Social Studies, History Emphasis 48 Hours (15 upper-division)

Three hours of HIST 1310 or 1320 beyond the general education minimum; HIST 2301, 2302 and 4355; HIST 4300; PSCI 1330 and 2340; economics, 3 hours; geography, 6 hours; sociology, 3 hours; history electives, 12 hours (6 hours from US history and 6 from world history courses but excluding HIST 4310). Beginning in 1998/1999, a sophomore history methods course will be required for the major.

Minor in Social Studies, History Emphasis 42 Hours (9 upper-division)

Three hours of HIST 1310 or 1320 beyond the general education minimum; world history electives, 6 hours (3 upper-division); HIST 2301, 2302, and 4355; US history electives, 3 hours; PSCI 1330 and 2340; economics, 3 hours; geography, 6 hours; sociology, 3 hours. HIST 4310 is excluded. Beginning in 1998/1999, a sophomore history methods course will be required for the minor.

ARKANSAS TEACHER CERTIFICATION INFORMATION

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 Bulletin*.

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 year. Prerequisite: consent of instructor and department chair. On demand.

4311 **AMERICAN COLONIAL AND REVOLUTIONARY HISTORY** The age of exploration, colonization, and developments leading to the American Revolution, 1492-1783. Emphasis on the contribution of the era to American political, social and intellectual tradition. On demand.

4322 **EARLY NATIONAL HISTORY, 1783-1850** From the winning of independence to the Compromise of 1850. Topics examined include the constitutional convention, the growth of political parties, territorial expansion, and sectional tensions. On demand.

4325 **AMERICAN LIFE AND THOUGHT TO 1865** Political and social thought and cultural trends from the Puritan era to the Civil War period. Fall, even years.

4326 **AMERICAN LIFE AND THOUGHT SINCE 1865** Political and social thought and cultural trends since 1865. Spring, odd years.

4327 **THE AMERICAN WEST** Influence of the frontier and of western expansion on the history of the United States. Spring.

4330 **THE CIVIL WAR AND RECONSTRUCTION, 1850-1877** Examination of the sectional stress that split the Union in 1861 and led to the formation of the Southern Confederacy, its defeat, and the reunification of the nation. Fall.

4335 **DIPLOMATIC HISTORY OF THE UNITED STATES** Survey of the diplomatic history of the Revolutionary period, the early national era, the Civil War, America's rise to world power, two world wars, and the Cold War. On demand.

4340 **THE EMERGENCE OF MODERN AMERICA, 1877-1920** Topics examined include the conquest of the last western frontier, the rise of big business, progressivism, and the United States as a world power. Spring, odd years.

4345 **THE SOUTH TO 1865** Survey of the old South with an emphasis on southern nationalism, slavery, politics, and social and intellectual developments. Fall, odd years.

4346 **THE SOUTH SINCE 1865** The path of the South back into the Union, the problems faced by the region, and their legacy to the present. Spring, even years.

4350 **AMERICA SINCE 1920** Examination of political, social, economic, and intellectual developments. Topics include the twenties, the Depression, America in World War II, and the Cold War. Spring, even years.

4353 **INTER-AMERICAN RELATIONS** An historical review of political, economic and cultural relationships between the United States and Latin America, with special attention to the period from 1898 to the present. On demand.

4355 **THE ROLE OF ARKANSAS IN THE NATION** United States history as reflected in the history of Arkansas. Emphasis on the ways Arkansas reflects or departs from national trends. On demand.

4386 **THE WAR IN THE PACIFIC, 1931-1945** Critical evaluation of Japanese-American relations covering such topics as Asian nationalism, Western imperialism, and Japanese expansion. This course 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 An 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 An historical survey of the major themes and developments in Christianity from the Reformation to present times. On demand.

3351 ANCIENT CIVILIZATION The Near East, Greece, and Rome, with an emphasis on politics and culture, to 476 A.D. Fall.

3389 TUTORIAL STUDIES IN WORLD HISTORY Directed reading in World history. Preparation for an honors thesis to be written during the student's senior year. Prerequisite: consent of instructor and department chair. On demand.

3398 TRAVEL SEMINAR IN MEXICO Cross-listed with Spanish and Sociology. Four weeks intensive study in Mexico on various levels. Classes in Spanish Conversation, Mexican History and Culture, and Contemporary Topics. Tours and excursions to cultural sites. Living accommodations with Mexican families. Three hours credit in history and 3 hours credit in Spanish. No previous language study needed. Prerequisite: concurrent enrollment in SPAN 3398. Summer only.

4305 LATIN AMERICA THROUGH HISTORY, FILM, AND LITERATURE This course uses historical readings, film, and literature to study major themes in the development of Latin American society. Topics range from authoritarianism and revolution to race relations, gender and inequality. On demand.

4320 EUROPEAN SOCIAL AND INTELLECTUAL HISTORY, 1500 TO 1830 The cultural progress of the Scientific Revolution and the Enlightenment. On demand.

4321 EUROPEAN SOCIAL AND INTELLECTUAL HISTORY SINCE 1830 Cultural progress in the sciences and humanities, with examination of the political and economic "isms" as well as literary and philosophical trends. On demand.

4328 MODERN LATIN AMERICA An examination of critical issues that challenge the countries of contemporary Latin America, from race and the environment to debt, development, and democracy.

4332 HISTORY OF THE CRUSADES The history of European interactions with Asia, northern Africa and eastern Europe, 1000-1300, centering around the phenomenon of crusading.

4353 INTER-AMERICAN RELATIONS An historical review of political, economic, and cultural relationships between the United States and Latin America, with special attention to the period from 1898 to the present. On demand.

4360 BIRTH OF EUROPE, 300-1000 European political, social, economic, religious, and intellectual development from the establishment of Christianity as an officially sanctioned religion to the dawn of the feudal age. Fall, even years.

4361 MEDIEVAL CIVILIZATION, 1000-1400 European political, social, economic, religious, and intellectual development during the High Middle Ages. Spring, odd years.

4370 EUROPE, 1815-1914 Europe's political and cultural development from the Vienna Congress to the eve of World War I. Spring, even years.

4371 HISTORY AND BIOGRAPHY The place of biography in the writing of history, together with the development of biographical techniques. On demand.

4374 THE EUROPEAN RENAISSANCE AND REFORMATION The early modern age in Europe. On demand.

4376 EUROPE, 1914-1939 Background and history of World War I; peacemaking and international organization; the rise of fascism, national socialism, and Japanese imperialism; collapse of peace. Fall, odd years.

4377 THE CONTEMPORARY WORLD World War II, the Cold War, and other major chapters in modern civilization. Spring, even years.

4378 ABSOLUTISM, ENLIGHTENMENT, AND REVOLUTION European history in the seventeenth and eighteenth centuries concluding with the French Revolution. Fall, odd years.

4379 SPAIN: CRUSADE, COLUMBUS, AND EMPIRE Major factors in the rise and decline of Iberia during the early modern era, plus an examination of early exploration and colonialism. Spring, even years.

4380 **CZARIST RUSSIA** Russian history from its beginning to 1917. Fall.

4381 **MODERN CHINA** Chinese history in the nineteenth and twentieth centuries. Fall, even years.

4382 **RUSSIA SINCE 1917** Russian history from the revolutions of 1917 to the present. Spring.

4383 **MODERN JAPAN** Japan since 1800, including such topics as the overthrow of feudalism, the Meiji Restoration, the struggle for representative government, imperialism, ultranationalism, militarism, and the "economic miracle." Fall, odd years.

4385 **FRENCH REVOLUTION AND NAPOLEON** The causes of the revolution and its impact on France and Europe with emphasis on social, political, and economic changes through revolution and the reforms of Napoleon. On demand.

4386 **THE WAR IN THE PACIFIC, 1931-1945** Critical evaluation of Japanese-American relations covering such topics as Asian nationalism, Western imperialism, and Japanese expansion. This course may be counted as either United States or World History. On demand.

4387 **THE ISLAMIC MIDDLE EAST** Islamic civilization and recent history of the Middle East. Emphasis on the development of Islam as a major religion and total lifestyle, and Islamic revisionism; Arab nationalism; revival of Islamic fundamentalism; and conflicting Arab-Israeli aspirations and claims. Spring.

4388 **AFRICAN HISTORY** Cultural changes and problems of modernization. Fall.

4393 **THE RISE OF GERMANY, 1648-1918** A survey of German history from the Thirty Years War to World War I, with special attention devoted to the German character and culture and to Bismarck, the man responsible for creating the modern German Reich. On demand.

4394 **GERMANY SINCE 1918** A survey of German history since World War I, including the Weimar Republic, Third Reich, World War II, and the division and reunification of postwar Germany. On demand.

Special Courses

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.

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LATIN AMERICAN STUDIES

UCA Undergraduate Bulletin, 1998–2000

Coordinator and Assistant Professor: Dr. Allender (Geography), 450-5641

PURPOSES

The objective of the Latin American Studies Minor is to provide students with a multi-disciplinary understanding of Latin America and the Caribbean. Specifically, the program provides students with understanding of Latin American literature, politics, geography, society, and history.

Minor in Latin American Studies **18 Hours**

The minor in Latin American Studies requires successful completion of the requirements listed below:

GEOG 3315; PSCI 4340; HIST 3315; a capstone seminar from one of the following: GEOG 4360, PSCI 4399, HIST 4391, plus 6 elective hours from the following, HIST 4305; HIST 4391 (when Latin American topic is offered); HIST 4328; HIST 4353; SOC 4390 or H ED 4341; SPAN 2320; SPAN 2330; SPAN 3313; SPAN 3321; SPAN 3398; SPAN 4395 (when Latin American topic is offered); SPAN 4396; (when Latin American topic is offered) PSCI 4399 (when Latin American topic is offered); GEOG 4360 (when Latin American topic is offered); FLAN 2315 (when Latin American topic is offered).

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PHILOSOPHY AND RELIGION

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Purposes
- The Honors Program in Philosophy
- Baccalaureate Degrees
- Courses in Philosophy

FACULTY

Chair and Professor: Dr. Shelton, 450-3179
Professors: Dr. Harvey, Dr. Schedler
Associate Professor: Dr. Mehl
Assistant Professors: Dr. Anderson, Dr. Borjesson

PURPOSES

The Department of Philosophy and Religion offers a degree program with a major in philosophy. Within this program students can emphasize religion, social and political philosophy, continental philosophy, or analytic philosophy. The department also administers the interdisciplinary degree program in religious studies. The philosophy program serves all academic disciplines by the examination and analysis of the major ideas which have shaped our civilization and by the development of skills in critical thinking. The interdisciplinary religious studies program introduces students to the basic methods and subject matter of the critical study of religion.

Philosophy and religion courses are designed both to contribute to a broad liberal education and to enrich more vocationally oriented programs. Both the major and minor in philosophy and religious studies are designed to provide the core of a liberal arts education for students interested in graduate, professional, or divinity school. They also provide a broad, non-specialized degree for those who desire career flexibility.

A student who majors in philosophy will acquire a fundamental understanding of philosophy, which includes an understanding of the central problems of philosophy, a comprehension of the various methods of philosophical inquiry and discourse, a knowledge of the historically significant philosophers and philosophical movements, a knowledge of the fundamental principles of logic and an understanding of the basic theories of ethics. A student who majors in philosophy will achieve a satisfactory level in the application of critical thinking skills and will be able to write a philosophical paper.

A student who majors in religious studies will have a general knowledge of the beliefs and practices of the major world religions and an in-depth knowledge of at least one major religious tradition, will be skilled in the critical analysis of religion as a cultural phenomenon and in the ability to draw connections among different historical and cultural contexts of religion, will have knowledge of different methodological approaches to the study of religion, and will be well-prepared for graduate or professional study.

THE HONORS PROGRAM IN PHILOSOPHY

Students who major in philosophy and demonstrate exceptional ability may be asked to enter the philosophy honors program. This program is designed to prepare the student for graduate work in philosophy. In addition to the courses required for a major in the area, the student must elect PHIL 4301, Philosophy Honors Tutorial.

BACCALAUREATE DEGREES

Bachelor of Arts/Bachelor of Science

The degree of Bachelor of Arts or Bachelor of Science, with a major in philosophy, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; (3) major requirements listed below; and (4) a minor as worked out with the student's minor advisor.

Major in Philosophy **33 Hours**

PHIL 2310 or 3310; 3320 or 3325; 3300; 3302; and two courses from 3301, 3303, 3304, 4305, and 4306; plus 12 hours of Philosophy electives.

Only one of PHIL 1301, 1310, 1320, 2325 or 2360 will count toward a major or minor.

Minor in Philosophy **21 Hours**

PHIL 2310 or 3310; 3320 or 3325; and 3 courses from 3300, 3301, 3302, 3303, 3304, 4305, and 4306; plus 6 hours of Philosophy electives.

Only one of PHIL 1301, 1310, 1320, 2325 or 2360 will count toward a major or minor.

Interdisciplinary Major in Religious Studies

PHIL 2301; PHIL 2332 or PHIL 2233 or ENGL 3325 (when The Bible as Literature); PHIL 3331 or SOC 4300; HIST 3320 or HIST 3321; HIST 3303 or HIST 4387; PHIL 4300; plus 15 hours of electives from selected courses.

Interdisciplinary Minor in Religious Studies

PHIL 2301; PHIL 2332 or PHIL 2233 or ENGL 3325 (when The Bible as Literature); PHIL 3331 or SOC 4300; HIST 3320 or HIST 3321; HIST 3303 or HIST 4387; plus 6 hours of electives from selected courses.

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. 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. 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. Fall, spring.

2300 **EXISTENTIAL PROBLEMS IN PHILOSOPHY** Critical introductory study of existential problems in philosophy. For students who want 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.

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. Fall, spring, summer.

2332 JEWISH BIBLE Major teachings of the Old Testament, examined in the context of their historical development. On demand.

2333 CHRISTIAN BIBLE Major teachings of the New Testament, examined in the context of their historical development. On demand.

2360 GENDER, RACE, AND CLASS: PHILOSOPHICAL ISSUES An introduction to the philosophical issues concerning gender, race, and class with an emphasis on how these issues affect our identities and our conception of ourselves and others. On demand.

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. Spring, 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.

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 LEGAL AND 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. Fall, even years.

3331 PHILOSOPHY OF RELIGION Nature of religious experiences, faith, and reason, the theistic arguments, the problem of evil, immortality, and problems of religious language. Fall, even years.

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.

3345 FEMINIST PHILOSOPHY An examination of recent criticisms feminists have made of philosophy, both of how it is practiced as well as of the particular theories of traditional philosophers. 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. On demand.

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 works of individual philosophers or groups of philosophers. Content changes on demand. May be repeated for credit. See semester schedule for description of content. On demand.

4300 READINGS IN PHILOSOPHY Independent study designed to deal in depth with specific problems and individuals in philosophy. Consent of instructor only. On demand.

4301 PHILOSOPHY FOR HONORS TUTORIAL Independent study designed to provide the exceptional student an opportunity to do advanced philosophical research. Does not count toward the major. Prerequisite: invitation by the philosophy department.

4305 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, Sarte, Gadamer, Derrida, and Foucault. Spring, even years.

4306 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. Fall, even years.

4310 SENIOR THESIS IN PHILOSOPHY Individual research leading to the writing of a major philosophical paper. Required of all majors.

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RELIGIOUS STUDIES

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
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- Baccalaureate Degree

FACULTY

Director and Associate Professor: Dr. Mehl (Philosophy and Religion), 450-5592
Professors: Dr. Brodman (History), Dr. Corcoran (History), Dr. Fox (Sociology), Dr. Frontain (English), Dr. Harvey (Philosophy), Dr. Pouwels (History), Dr. Schedler (Philosophy), Dr. Shepherd (Sociology)
Associate Professors: Dr. Barnes (History), Dr. Cohen (Art)

PURPOSES

The goal of the interdisciplinary religious studies program is to educate the undergraduate student with an understanding of the methods and subject matter of the study of religion. Generally, the program will serve the interests of liberal education by developing in the student the skills of careful and critical reading, writing, thinking, and speaking. More specifically, the program will provide a comprehensive and clear exposure to the variety of religious expression world-wide, a critical understanding of personal, social and cultural dimensions of religion, and a thorough preparation for students who intend to pursue graduate or professional

study.

A student who majors in religious studies will have a general knowledge of the beliefs and practices of the major world religions and an in-depth knowledge of at least one major religious tradition, will be skilled in the critical analysis of religion as a cultural phenomenon and in the ability to draw connections among different historical and cultural contexts of religion, will have a general knowledge of two different methodological approaches to the study of religion and an in-depth knowledge of at least one of these approaches, and will be well-prepared for graduate or professional study.

BACCALAUREATE DEGREE

Bachelor of Arts

The degree of Bachelor of Arts, with a major in Religious Studies, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; (3) major requirements, listed below; and (4) a minor as worked out with the student's minor advisor.

Major in Religious Studies **33 Hours**

PHIL 2301; PHIL 2332 or PHIL 2333 or ENGL 3325 (readings: The Bible as Literature); PHIL 3331 or SOC 4300; HIST 3320 or HIST 3321; HIST 3303 or HIST 4387; PHIL 4300 (Senior Seminar in Religious Studies); plus 15 hours of electives from at least 2 disciplines from the following: ART 2325; ART 3385; ENGL 4341; HIST 3320: HIST 3321; HIST 3303; HIST 4387; PHIL 3301; PHIL 3303; PHIL 3315; PHIL 3331; PHIL 3352; SOC 4300; SOC 3315. Courses taken as core requirements cannot satisfy elective requirements. Majors cannot take PHIL 1320 to satisfy their general education requirement in World Cultural Traditions.

Minor in Religious Studies **21 Hours**

PHIL 2301; PHIL 2332 or PHIL 2333 or ENGL 3325 (readings: The Bible as Literature); PHIL 3331 or SOC 4300; HIST 3320 or HIST 3321; HIST

3303 or HIST 4387; plus 6 hours of electives from the following list: ART 2325; ART 3385; ENGL 4341; HIST 3320; HIST 3321; HIST 3303; HIST 4387; PHIL 3301; PHIL 3303; PHIL 3315; PHIL 3331; PHIL 3352; SOC 4300; SOC 3315. Courses taken as core requirements cannot satisfy elective requirements.

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POLITICAL SCIENCE

UCA Undergraduate Bulletin, 1998–2000

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- Courses in Political Science

FACULTY

Chair and Professor: Dr. Hy
Professors: Dr. Kelley, Dr. Veasey, Dr. Wekkin, Dr. Whistler
Associate Professors: Dr. McInnis, Dr. Passé-Smith
Assistant Professor: Dr. Malysa

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. a major in political science, including public administration;
2. 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 DEGREES

Bachelor of Arts/Bachelor of Science

The degree of Bachelor of Arts or Bachelor of Science with a major in political science, requires successful completion of 124 hours, including (1) the general education component; (2) specific BA or BS degree requirements; (3) the political science major listed below; and (4) a minor approved by the student's minor advisor.

Major in Political Science **36 Hours**

PSCI 2300; 2312; 2320; 2340; 3313; 6 hours at the 3000-level or above from each of the following Issue areas; and 3 hours at the 3000-level or above of political science electives. PSCI 1330 is a prerequisite for all junior- and senior-level classes.

Minor in Political Science **21 Hours**

PSCI 2300; 2320; 2340; 3 hours at the 3000-level or above from each of the following Issue areas; and 3 hours at the 3000-level or above of political science electives. PSCI 1330 is a prerequisite for all junior and senior level classes.

Issue Areas

American Government and Public Administration: PSCI 3330; 3350, 3360; 3361;3365; 3375; 4300; 4301; 4334; 4335; 4336; 4351; 4391.
International Relations and Comparative Politics: PSCI 3340; 3382; 4310; 4345; 4346; 4388; 4395.
Political Theory and Methods: PSCI 2312; 3313; 3370; 3371; 3372; 4331.

Bachelor of Science in Public Administration

The degree of Bachelor of Science, with a major in public administration, requires successful completion of 124 hours, including (1) the general education component; (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; 3365; 4391; 4610; ACCT 2310; 2311; ECON 2320; 2321; and MGMT 3340.

Areas of Special Emphasis: (21 hours) A minimum of 6 semester hours from 2 of the following "areas of special emphasis" and 9 semester hours electives from any of these areas:

Public Management: ECON 4344; MGMT 4345; 4348; FINA 3330; ACCT 3314; 4304; and PSCI 4334.
Public Policy: PSCI 4300 or 4301, 4335, 4336, 4391.
Planning: PSCI 4336, 4351; GEOG 2302, 2340; 3305; 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.

2312 **STATISTICAL METHODS FOR POLITICAL ANALYSIS** Introduction to descriptive and inferential statistics, hypothesis testing, and displaying of data in various formats. Prerequisite: PSCI 1330. Fall.

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.

3313 **RESEARCH DESIGN** An in-depth examination of strategies available for performing social science research. Includes experimental, quasi experimental, non-experimental, and survey research designs. Prerequisite: PSCI 2312. Spring.

3320 **ENVIRONMENTAL POLICY AND REGULATION** An introduction to environmental policy at the federal and state levels. The changing relationships between science, technology, economics, culture, and formation and implementation of policy will be analyzed. On demand.

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. Fall, even years.

3350 **INTEREST GROUPS AND MONEY IN POLITICS** The roles and practices of organized interest groups in the American political process, from the financing of candidates to public office through the influencing of decision makers and of public policy. Special attention is given to how campaign donations structure office holders' incentives. Prerequisite: PSCI 1330. Fall.

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.

3365 **INTERGOVERNMENTAL RELATIONS** Study of the cooperative relationship between federal, state, and local government in the United States. 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 2312. Spring, on demand.

3375 **THE AMERICAN JUDICIAL SYSTEM** The US 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. Fall, odd 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. Spring, on demand.

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 US presidency, nomination, election, responsibilities, and powers and principles of contemporary executive-legislative relationships. Prerequisite: PSCI 1330. Fall, on demand.

4335 **THE AMERICAN CONGRESS** The US 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. Fall, even years.

4336 **CITY GOVERNMENTS AND POLITICS** Large and small city governments in the US 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.

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. Prerequisite: PSCI 2300. 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 tutor with the approval of the department chair. Prerequisite: consent of instructor and department chair. On demand.

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PUBLIC ADMINISTRATION

UCA Undergraduate Bulletin, 1998–2000

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- Advisor
- Purposes
- Baccalaureate Degree

ADVISOR

Advisor and Professor: Dr. Veasey, 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; (2) MATH 1390 or 1395 and 2311; (3) the major listed below. No minor is required.

Major in Public Administration **60 Hours**

Requirements: (39 hours)

PSCI 1330, 2340, 3360, 3361, 3365, 4391; 4610; ACCT 2310, 2311; ECON 2320, 2321; and MGMT 3340.

Areas of Special Emphasis: (21 hours) A minimum of 6 semester hours from two of the following "areas of special emphasis" and 9 semester hours electives from any of these areas:

Public Management: MGMT 4345, 4348; FINA 3330; ACCT 3314; 4304; PSCI 4334.
Public Policy: PSCI 4300 or 4301, 4335, 4336, 4391.
Planning: PSCI 4336, 4351; GEOG 2302, 2340, 3305, 3371, 4313.

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PRE-LAW

UCA Undergraduate Bulletin, 1998–2000

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 3 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.

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SOCIOLOGY

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Purposes
- The Honors Program in Sociology
- Baccalaureate Degrees
- Courses in Sociology

FACULTY

Chair and Professor: Dr. Hy
Professors: Dr. Fox, Dr. Shepherd
Assistant Professors: Dr. Aman, Dr. Powers, Dr. Sittig, Dr. Wilson

PURPOSES

The primary objective of undergraduate sociology is to provide students with conceptual and analytical tools for understanding the structure and variations of social interaction in human societies. The cultivation of students' abilities to apply what they learn to the practical resolution of social concerns in daily life, as well as the development of their theoretical knowledge and capacity for scholarly objectivity, are all goals of the sociology program.

THE HONORS PROGRAM IN SOCIOLOGY

Junior or senior students with an overall grade average of 3.0 or above,

and who are invited by the sociology faculty, may be permitted to participate in the honors program in sociology. Successful completion of the program allows the student to graduate with honors in sociology and involves the following:

1. completion of SOC 4390 taken in consultation with the advisor;
2. an overall grade average of 3.0;
3. an oral examination conducted by three members of the department as stated in number four below; and
4. completion of an acceptable research paper based upon reading and research done in SOC 4390 and submitted to three members of the sociology faculty. These three faculty members will conduct the oral examination which will focus primarily on the research paper.

BACCALAUREATE DEGREES

Bachelor of Arts

The degree of Bachelor of Arts, with a major in sociology, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; (3) completion of the courses listed below; and (4) a minor as worked out with the student's minor advisor.

Major in Sociology **33 Hours**

All sociology majors are required to take SOC 1300, 2320, 2321, 4330, and 4360. In addition, students are required to take 18 hours as determined by their area of study.

General Sociology

Sociology electives (18 hours), as selected from the remaining sociology courses.

Criminology Concentration

Criminology concentration requirements (9 hours), SOC 3370, 3371, 4355.

Sociology electives (3 hours minimum), SOC 1325, 2342, 3310, 3340, 3360, 4301, 4321, 4342, 4395, 4190, 4290, 4390, 4370.
Interdisciplinary electives (6 hours maximum), PSCI 3375, PSCI 4300, PSCI 4301, H ED 4312, PSY 4381.

Medical Concentration

Medical concentration requirements (9 hours), SOC 4334, 4343, 4335.
Sociology electives (3 hours minimum), SOC 3381, 4320, 4321, 4322, 4331, 4341,4395, 4190, 4290, 4390, 4370.
Interdisciplinary electives (6 hours maximum), H ED 4300, H ED 4331, H ED 4312, MGT 4360, PSY 4320.

Ethnic Studies Concentration*

Ethnic Studies Concentration requirements (9 hours), SOC 1302, 3310, 3315.
Sociology electives (3 hours minimum), SOC 4300, 4341, 4343, 4351, 4395, 4190, 4290, 4390, 4370.
Interdisciplinary electives (6 hours maximum), GEO 2362**, GEO 3315, PSCI 2300, PSCI 2320, PSCI 3382, ECON 3320, ECON, 4320, PHIL 1320.

*Students must minor in one of the following areas: Asian Studies, Latin American Studies, African and African-American Studies.
**Asian Studies and African Studies minors must take GEO 2362.

Minor in Sociology **18 Hours**

Eighteen hours of sociology, 9 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) the general education component; (2) degree requirements; (3) completion of the courses listed below; and (4) a minor as worked out with the student's minor advisor.

Major in Sociology **33 Hours**

All sociology majors are required to take SOC 1300, 2320, 2321, 4330, and 4360. In addition, students are required to take 18 hours as determined by their area of study.

General Sociology

Sociology electives (18 hours), as selected from the remaining sociology courses.

Criminology Concentration

Criminology concentration requirements (9 hours), SOC 3370, 3371, 4355.
Sociology electives (3 hours minimum), SOC 1325, 2342, 3310, 3340, 3360, 4301, 4321, 4342, 4395, 4190, 4290, 4390, 4370.
Interdisciplinary electives (6 hours maximum), PSCI 3375, PSCI 4300, PSCI 4301, H ED 4312, PSY 4391.

Medical Concentration

Medical concentration requirements (9 hours), SOC 4334, 4343, 4335.
Sociology electives (3 hours minimum), SOC 3381, 4320, 4321, 4322, 4331, 4341, 4395, 4190, 4290, 4390, 4370.
Interdisciplinary electives (6 hours maximum), H ED 4300, H ED 4331, H ED 4312, MGT 4360, PSY 4320.

Minor in Sociology **18 Hours**

Eighteen hours of sociology, 9 hours of which must be in upper-division.

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. Prerequisite: sociology major or minor or consent of instructor. 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 personality, mate selection, courtship, marital discord, and adjustment. Fall, spring, summer.

3360 **SELF AND SOCIETY** Analysis of the behavior of individuals in social situations. Particular emphasis on the relationship between language, self, and social interaction in everyday life. Prerequisite: SOC 1300. Fall.

3361 **GENDER ROLES** A sociological inquiry into traditional and changing roles of women and men; sex roles in economic and family institutions, and the process of socialization; variations by culture, class and ethnicity. Prerequisite: SOC 1300. On demand.

3370 **CRIMINOLOGY** Cultural nature, origin, and development of crime; the personal and social causes of criminal behavior; the police and court system; modern treatment of the offender and programs for the prevention of crime. Prerequisite: SOC 1300 or consent of instructor. Spring.

3371 **JUVENILE DELINQUENCY** The study of juvenile delinquency in relation to family, peer group, community, and institutional structures; agencies of delinquency control, juvenile courts, probation, correctional institutions, and community organizations. Prerequisite: SOC 1300 or consent of instructor. Fall and on demand.

3381 **DEATH AND DYING** Death and dying as social processes; norms, values, meanings, rites, and practices associated with these processes; the structural organization of death and dying in society. Prerequisite: SOC 1300 or consent of instructor. Spring, odd years.

3398 **TRAVEL SEMINAR IN MEXICO** Cross-listed with HIST 3398 and SPAN 3398. Four weeks of intensive study in Mexico on various levels. Classes in Spanish conversation, Mexican history and culture, and contemporary topics. Tours and excursions to cultural sites. Living accommodations with Mexican families. Three hours credit in Sociology and three hours credit in Spanish. No previous language study needed. Prerequisite: concurrent enrollment in SPAN 3398. Summer only.

4300 **SOCIOLOGY OF RELIGION** Religion as a social institution and its relationship to other institutions in society; theories concerning the social origins and consequences of religious organization, belief and ritual; emphasis on religious movements in American society. Prerequisite: SOC 1300 or consent of instructor. On demand.

4301 **SOCIAL MOVEMENTS AND SOCIAL CHANGE** Relationship between social movements, and social change. Types of movements discussed include political, religious, reform and revolutionary movements in the context of social upheaval and different forms of collective behavior, such as panics, riots, and insurrections. Prerequisite: SOC 1300. Spring.

4320 **SOCIOLOGY OF WORK** Sociological factors involved in human relations in industry, including a wide range of business and industrial settings. Prerequisite: SOC 1300. On demand.

4321 **SOCIAL POLICY ANALYSIS** Introduction to the basic terms and concepts of intervention program design and analysis. Survey of major contemporary policy issues, including employment and wages, health care, environmental regulation, poverty and welfare, and the role of government in other selected areas. Prerequisite: SOC 1300. Fall.

4322 **SOCIOLOGY OF MENTAL ILLNESS** Social aspects of mental illness; the social factors 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, and the nature of the relationships between the patient and medical specialists. Prerequisite: SOC 1300 or consent of instructor. Fall.

4335 **HEALTH ORGANIZATIONS** The sociological study of the development and current state of health organizations in the United States and selected foreign countries. Prerequisite: SOC 1300. Spring, odd years.

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.

4355 **VICTIMOLOGY** Social and psychological impact of crime and the criminal justice system on crime victims, historical and current level or organization within the victim movement, policy alternatives for interactions between victims and the legal and social service agencies. Prerequisite: Sociology 1300 or consent of instructor. Spring, summer.

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.

4370 **INTERNSHIP IN SOCIOLOGY** A structured, supervised work experience. The student completes a minimum of 150 hours within the assigned agency during the term enrolled, maintains a log of activities, and provides the Internship Coordinator with a final paper. Prerequisite: 21 hours of Sociology including SOC 2320, 2321, 4330; junior or senior standing; 2.5 GPA; consent of instructor. Fall, spring, summer.

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.

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SOUTHERN AND ARKANSAS STUDIES

Coordinator and Associate Professor: Dr. Barnes, 450-5631

PURPOSES

The objective of the Southern and Arkansas Studies minor is to provide students with a broad perspective about and knowledge of Southern and Arkansas history, geography, politics, literature, and culture. It is also designed to help students explore key issues which have shaped Southern society, such as race, underdevelopment, religion, and other distinctive cultural developments.

Minor in Southern and Arkansas Studies **21 Hours**

The minor in Southern and Arkansas Studies requires successful completion of the requirements listed below.

Nine core hours from the following: ENGL 3343; HIST 4345; HIST 4346; HIST 4355; GEOG 3380; PSCI 2340. Nine elective hours from the courses remaining from the above core courses or from the following: ENGL 4380; GEOG 3320; HIST 3353; HIST 3354. A capstone course such as an independent study or a topics seminar from the following: when a Southern or Arkansas topic is offered: HIST 4391; SOC 4390; GEOG 4360; ENGL 4304; or an internship at Ozark Heritage Institute, Old State House Museum, or Ozark Folk Center.

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

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- Pre-Medicine
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- Deans
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DEANS

Interim Dean and Associate Professor: Dr. Stephen R. Addison, 450-3199
Interim Assistant Dean and Professor: Dr. Charles Seifert, 450-5085

MISSION

The College of Natural Sciences and Mathematics supports the mission of the University of Central Arkansas through the departments of biology, chemistry, computer science, mathematics, and physics and astronomy. The college mission is: to provide current, superior learning opportunities for students of the university and for the public; to advance knowledge of our disciplines; and to furnish professional services locally, regionally, and nationally.

The College of Natural Sciences and Mathematics has as its central purposes:

- To help students of the university develop life-long competencies in critical thinking, oral and written communication, quantitative reasoning, and problem-solving.
- To provide high quality, rigorous programs that prepare students to enter the work force as practitioners or teachers of mathematics, the natural sciences, or computer science, and other professions; to further their education through graduate programs in mathematics, the natural sciences, computer science, and related disciplines; or to attend professional schools, such as dentistry, engineering, medicine, optometry, pharmacy, or veterinary medicine.
- To provide opportunities for advanced studies in biology, mathematics, and science education through master's degree programs.
- To serve students majoring in other programs that require solid foundations in mathematics and the natural sciences, such as teaching and the health professions.
- To acquaint all students with the complexity and diversity of the contemporary world in the context of the mathematical and scientific

branches of human learning and ways of knowing through general education courses.
- To provide, promote, and encourage professional growth opportunities for faculty and staff, including faculty and student scholarship that advances and disseminates knowledge of the disciplines.
- To serve the public, including consulting with schools, businesses, industries and governmental agencies, delivering in-service training for teachers, making presentations to school children and the general public, and supporting professional organizations.

Students majoring in the College of Natural Sciences and Mathematics are encouraged to participate in research as undergraduates. Additional information about research opportunities can be obtained from the college or departmental offices.

DEPARTMENTS

Departments in the College of Natural Sciences and Mathematics:

Biology
Chemistry
Computer Science
Mathematics
Physics and Astronomy

PROGRAMS

Bachelor of Arts (BA), Bachelor of Science (BS) and Bachelor of Science in Education (BSE):

Biology (BS)
Chemistry (BS)
Computer Science (BS)
General Science (BS)
Mathematics (BA, BS, BSE)
Physics (BS)

Pre-professional studies:

- Pre-Dentistry
- Pre-Engineering
- Pre-Medicine
- Pre-Optometry
- Pre-Pharmacy
- Pre-Veterinary Medicine

Master of Science (MS) and Master of Arts (MA):

- Biology (MS)
- Mathematics (MA)

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BIOLOGY

UCA Undergraduate Bulletin, 1998–2000

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FACULTY

Chair and Professor: Dr. Hamilton, 450-3146
Professors: Dr. Choinski, Dr. Culwell, Dr. Griffin, Dr. Owen, Dr. Smith
Associate Professors: Dr. Dalske, Dr. Dussourd, Dr. Freiley, Dr. Mathis, Dr. McDonald, Dr. Moran, Dr. S. Runge, Dr. Zehr
Assistant Professors: Dr. Kreiss, Dr. Larson, Dr. Magoulick, Dr. Waggoner, Dr. Walker
Lecturers: Dr. Hirrel, Dr. Martin

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, optometry, environmental science, and various other 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 are available in numerous 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 a grade point average of at least 3.0 overall are allowed to participate in a program which, when successfully completed, will qualify them to graduate with Honors in Biology. The program will include the completion of all biology courses with a grade point of 3.25 or better, plus at least 3 additional hours of independent research (BIOL 3350) under the supervision of a departmental faculty member. An acceptable written report of this research must be submitted, and an oral presentation must be given to the Biology Department or in another suitable public forum.

BACCALAUREATE DEGREES

Bachelor of Science

The baccalaureate degrees described below require successful completion of a minimum of 124 hours, including (1) the general education component; (2) Bachelor of Science degree requirements; (3) the requirements in biological and physical science and in 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 1440, 1441, 2490, 3402, 4403, plus 20 hours of electives chosen from the following and including at least 4 lab courses: BIOL 3360, 4415, 4360, 4400, 4401, 4402, 4404, 4405, 4410, 4430, 4435, 4445, 4450, 4460, 4461, 4470, 4525, 4540, and CHEM 4320. CHEM 1450, 1451, 2401, 3411; PHYS 1410, 1420; MATH 1390 and 1392, or 1580, and 2311.

Minor in Biology **24 hours**

Minimum Requirements: BIOL 1440, 1441, 2490, 3402, 4403, plus 4 elective hours chosen from 2405, 2406, 2407, 2411, 3370 and all courses listed for the major; CHEM 1450, 1451; PHYS 1410, 1420.

Major in General Science. See Department of Chemistry.

TEACHING CERTIFICATION

A student with a Bachelor of Science in biology degree may obtain teaching certification by completing the required certification program. For details see College of Education. The student should consult the major advisor and the certification advisor in the College of Education.

MASTER'S DEGREES

See *Graduate Bulletin*.

COURSES IN BIOLOGY

1400 **BIOLOGY FOR GENERAL EDUCATION** Structure and function of cells, organisms, and communities. A general education elective. Fall, spring, summer.

1440 PRINCIPLES OF BIOLOGY I The molecular and cellular basis of structure and function of organisms, with an emphasis on evolution of organisms, including the origin of life. A core course for majors. Prerequisite: high school chemistry, or CHEM 1301 or above. Fall, spring, summer.

1441 PRINCIPLES OF BIOLOGY II Evolutionary history, anatomy, physiology, and ecology of animals, plants, and fungi. A core course for majors. Prerequisite: BIOL 1440. Fall, spring, summer.

2405 HUMAN ANATOMY AND PHYSIOLOGY A systematic study of body structure and function with an emphasis on homeostasis in the human body as a whole. Prerequisite: BIOL 1400 or 1440. Not open to those who have passed BIOL 2407. Fall, spring, summer.

2406 STRUCTURE AND FUNCTION OF THE HUMAN BODY I A study of structure-function relationships in the skeletal, muscular, nervous, and integumentary systems. Prerequisites: BIOL 1400 or 1440 and CHEM 1402 or 1450. Fall, spring.

2407 STRUCTURE AND FUNCTION OF THE HUMAN BODY II A continuation of Biology 2406 encompassing the endocrine, cardiovascular, respiratory, digestive, excretory, and reproductive systems. Laboratory emphasis on physiologic testing of students. Prerequisite: BIOL 2405 or 2406. Fall, spring.

2411 MICROBIOLOGY IN HUMAN AFFAIRS Basic concepts of bacteriology, virology, immunology, pathogenic microbiology, and food microbiology. Prerequisite: BIOL 1400 or 1440. Fall, spring, summer.

2490 GENETICS Basic concepts of heredity and natural variation, including elements of classical, molecular, and population genetics. A core course for majors. Prerequisite: BIOL 1441. Fall, spring, summer.

3360 INTRODUCTION TO MARINE BIOLOGY An introduction to the marine environment as habitat, to the biota of various marine communities, and to human impact issues such as overharvesting and pollution. Prerequisites: BIOL 1441, CHEM 1451, PHYS 1410. Fall.

3370 INTRODUCTION TO NEUROSCIENCE Examination of the structure and function of the nervous system, including organizational features, sensory transduction, and the control of emotions and behavior. Prerequisites: BIOL 2405 or 2406, and CHEM 1402 or 1450. On demand.

3402 CELL BIOLOGY Survey of cell structure and function with an emphasis on cellular energy-related events, proteins, and nucleic acids. Laboratory work emphasizes experimental investigations. A core course for majors. Prerequisites: BIOL 2490, MATH 1390 or above, CHEM 2401, PHYS 1410. Fall, spring, summer.

4311 PATHOPHYSIOLOGY Discussion of disruptions in normal physiology, including the alterations, derangements, and mechanisms involved in these disruptions and how they manifest themselves as signs, symptoms, and laboratory findings. Prerequisites: BIOL 2405, 2407, 4460, or consent of instructor. Fall.

4340 SCIENCE FOR ELEMENTARY GRADES The place, practice, and content of science in the elementary school program. The course emphasizes the learning of science content and combines the methods of teaching science with a summarization of science materials for these grades. Admission to teacher education. Prerequisites: BIOL 1400 and PHYS 1400, or their equivalent. Fall, spring, summer.

4351 **GENERAL PHARMACOLOGY** How the body handles drugs, and the effects of the various classes of drugs on body systems, including sites and mechanisms of action, therapeutic and side effects, and toxicology. Prerequisite: BIOL 1441, 2405 or 2407. Spring.

4360 **ENDOCRINOLOGY** Study of the structure and functioning of endocrine glands and the brain of the vertebrate body in regard to growth, puberty, reproduction, metabolism, stress, etc. Prerequisite: BIOL 3402. On demand.

4400 **HISTOLOGY** The microscopic anatomy of the vertebrate body. Prerequisite: BIOL 3402. Fall.

4401 **INVERTEBRATE ZOOLOGY** Natural history of the invertebrate animals. Prerequisite: BIOL 1441. Fall, alternate years.

4402 **VERTEBRATE ZOOLOGY** Natural history of the vertebrate animals. Prerequisite: BIOL 1441. Spring.

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 1441, and MATH 2311. Fall, spring, summer.

4404 **PLANT TAXONOMY** The identification, nomenclature, and classification of vascular plants, dealing largely with Arkansas flora; emphasis on plant families. Prerequisite: BIOL 1441. 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. Prerequisite: BIOL 1441. Fall.

4410 **ANATOMY/MORPHOLOGY OF CRYPTOGAMS** The plant kingdom excluding gymnosperms and angiosperms, with emphasis on the structure and reproductive habits of representatives of major plant groups. Prerequisite: BIOL 1441. Spring, alternate years.

4415 **EVOLUTION** Biological evolution from the Darwinian and Neo-Darwinian perspective; mechanisms of evolutionary change and overview of the history of life on earth. Prerequisite: BIOL 2490. Fall, spring.

4430 **COMPARATIVE VERTEBRATE ANATOMY** Comparative gross anatomy of the vertebrates. Laboratory work includes a dissection of the dogfish shark, necturus, and cat. Prerequisite: BIOL 1441. Spring.

4435 **ANIMAL BEHAVIOR** An analysis of animal behavior from an ecological and evolutionary perspective. Prerequisites: BIOL 2490, CHEM 1451. Pre- or corequisite: MATH 2311. On demand.

4445 **BIOMETRY** Applied biological statistics with an emphasis on experimental design and data analysis. Prerequisites: BIOL 1441 and MATH 2311. On demand.

4450 **PLANT PHYSIOLOGY** The metabolism of plants, with emphasis on cell function, energy relations, translocation, nutrition, and developmental regulation. Prerequisite: BIOL 3402. Fall, alternate years.

4460 **ANIMAL PHYSIOLOGY** Study of how animals (vertebrates and invertebrates) meet normal functional needs and environmental challenges. Laboratory work includes measurements and collection of data using living material. Prerequisite: BIOL 3402. Spring.

4461 **ANIMAL PARASITOLOGY** A course designed to familiarize students with the taxonomy, morphology, ecology, and life cycles of animal parasites. Prerequisite: BIOL 1441. Spring, alternate years.

4470 **ANATOMY/MORPHOLOGY OF GYMNOSPERMS AND ANGIOSPERMS** Life cycles, external structure, and anatomy of gymnosperms and angiosperms. Prerequisite: BIOL 1441. Spring, alternate years.

4525 **GENERAL MICROBIOLOGY AND IMMUNOLOGY** Basic concepts of bacteriology, virology, molecular biology, immunology, and pathogenic microbiology. Open only to biology majors unless instructor's permission obtained. Prerequisite: BIOL 1441. Fall, spring.

4530 **EXPERIMENTAL MOLECULAR BIOLOGY** Molecular biology of nucleic acids with an emphasis on biotechnology and genetic engineering. The laboratory experience is a major component of the course. Prerequisites: BIOL 2490, 3402, and CHEM 2401. Spring, alternate years.

4540 **BASIC AND APPLIED IMMUNOLOGY** Discusses cellular and molecular aspects of immunity (humoral and cell-mediated), cells and molecules of the immune system, clinical immunology techniques, immune diseases and disorders, and the role of the immune system during infection and cancer. Lab teaches contemporary techniques. Prerequisites: BIOL 2490, 4525. On demand.

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.

4355, 4455 **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.

COURSES AT THE GULF COAST RESEARCH LABORATORY

The University of Central Arkansas 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.

Prerequisite for all courses: BIOL 1441 and consent of department.

The following is a list of courses offered there:

		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
423/523	Marine Mammals	3
423L, 523L	Marine Mammals Lab	3
430/530	Comparative Histology of Marine Organisms	3
430L/530L	Comparative Histology of Marine Organisms Lab	3
456/556	Marine Science for Teachers I	2

456L/556L	Marine Science for Teachers I Lab	1
457/557	Marine Science for Teachers II	2
457L/557L	Marine Science for Teachers II Lab	1
458/558	Marine Science for Elementary Teachers	2
458L/558L	Marine Science for Elementary Teachers Lab	1
482/582	Coastal Marine Geology	2
482L/582L	Coastal Marine Geology Lab	1
490/590	Special Problems in Marine Science	TBA
491/591	Special Topics in Marine Science	TBA

Any of the courses listed below will satisfy 4 hours of 4000-level electives for the biology major: 403/403L, 404/404L, 405/405L, 406/406L, 407/407L, 408/408L, 409/409L, 420/420L, 421/421L, 422/422L, 423/423L, 430/430L.

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.

The following courses will not satisfy requirements for the biology major: 300/300L, 410/410L, 456/456L, 457/457L, 458/458L, 482/482L, 491.

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CHEMISTRY

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- Teacher Certification
- Courses in Chemistry

FACULTY

Chair and Professor: Dr. Stanitski, 450-3152
Professors: Dr. Manion, Dr. Paul, Dr. Rapp
Associate Professors: Dr. Dorey, Dr. J. Draves, Dr. Krause, Dr. Taylor
Assistant Professors: Dr. Bergen, Dr. Desrochers, Dr. P. Draves, Dr. Weaver

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 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 3.4 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) the general education component; (2) degree requirements; (3) the major requirements in chemistry listed below; and (4) a minor worked out with the student's minor advisor.

Major in Chemistry (ACS certified) **42 hours**

Minimum requirements: CHEM 1450, 1451, 2401, 3111, 3150, 3411, 3520, 4112, 4290, 4380, 4385, 4450, 4460, plus two credit hours of research (may be begun as early as the sophomore year); CHEM 3300 and 4301 are excluded; MATH 1591, 2561, 3321; PHYS 1441 and 1442.

Major in Chemistry (Non-ACS certified) 36 hours

Minimum requirements: CHEM 1450, 1451, 2401, 3111, 3411, 3520, 4112, 4290, 4450, 4460; CHEM 3300 and 4301 are excluded; chemistry electives: 3 hours at the 3000-level or above; MATH 1591, 2561, and 3321; PHYS 1441, 1442.

Minor in Chemistry 24 hours

CHEM 1450, 1451, 3520, and 11 hours of chemistry electives at the 2000-level or above; CHEM 3300 and 4301 are excluded.

Major in General Science 48 hours

BIOL 1440, 1441, and 2490; CHEM 1450 and 1451, and either 2401 or 3520; PHYS 1410 and 1420 (or 1441 and 1442), and either 1401 or 2430* (or 2443)*; and Option A or B*.

Option A: 4 hours of biology electives from the 3000-level or higher, 4 hours of chemistry electives from the 3000-level or higher, and an additional 4 hours of either biology or chemistry electives from the 3000-level or higher. BIOL 4340, CHEM 4112, CHEM 4290 and CHEM 4301 are excluded. Completion of MATH 1396 or MATH 1591.

Option B*: 4 hours of chemistry electives from the 3000-level or higher, 4 hours of physics electives from the 3000-level or higher, and an additional 4 hours of either chemistry or physics electives from the 3000-level or higher. CHEM 4112, CHEM 4290, CHEM 4301, PHYS 4301, PHYS 4302 and PHYS 4360 are excluded. Completion of MATH 1591 and MATH 2561.

*Students selecting Option B must complete PHYS 2430 or PHYS 2443.

Minor in Physical Science. See Department of Physics and Astronomy.

TEACHER CERTIFICATION

Along with a BS degree in chemistry or general science, a student may obtain recommendation for teacher certification. For details see College of Education. The student should consult the major advisor and the certification advisor in the College of Education.

COURSES IN CHEMISTRY

1301 **FUNDAMENTAL CHEMISTRY** Basic concepts of chemistry for students with limited or no 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** Study of chemistry for general education with emphasis of chemistry applications that affect society. Fall, spring. **CHEM 1400 does not count towards a major or minor in chemistry, a minor in physical science, or a major in general science.**

1402 **PHYSIOLOGICAL CHEMISTRY I** Topics of general chemistry related to physiology. Prerequisite: grade of C or better in CHEM 1301 or high school chemistry. Fall, summer.

1450 **COLLEGE CHEMISTRY I** Principles of general chemistry with emphasis on their theoretical and quantitative aspects and applications. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: high school chemistry and 2 units of high school algebra, or grade of C or better in CHEM 1301. Fall, spring, summer.

1451 **COLLEGE CHEMISTRY II** Continuation of College Chemistry I. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: grade of C or better in CHEM 1450. Fall, spring, summer.

2100, 2200 **UNDERGRADUATE RESEARCH** Research collaboration with a chemistry faculty member. Open to sophomores. Prerequisite: CHEM 1451. Fall, spring.

2401 **ORGANIC CHEMISTRY I** Study of hydrocarbons with an introduction to selected functional groups. Introduction to reaction mechanisms, stereochemistry, and spectroscopy. Three hours of lecture and 3 laboratory hours per week. Prerequisite: CHEM 1451. Fall, summer.

2450 **PHYSIOLOGICAL CHEMISTRY II** Introduction to the structural formulas and reactions of organic molecules followed by the chemistry of biological substances, including their metabolism. Prerequisite: grade of C or better in CHEM 1402. Spring, summer.

3101, 3201 **UNDERGRADUATE RESEARCH** Research collaboration with a chemistry faculty member. Open to juniors. Prerequisite: CHEM 3411. Fall, spring.

3111 **ORGANIC SPECTROSCOPY** Theory and interpretation of organic structures using qualitative organic spectroscopic analysis. Recommended to be taken with CHEM 3411. Prerequisite: grade of C or better in CHEM 2401. Spring.

3150 **ADVANCED INORGANIC LAB** A course designed to teach inorganic chemistry laboratory synthesis and characterization techniques, and affiliated instrumentation. Recommended to be taken with CHEM 4380. Prerequisites: CHEM 3411, 3520. Fall.

3300 **PRINCIPLES OF BIOCHEMISTRY** Survey of concepts in biochemistry including structure and metabolism of biological molecules with applications to nutrition and clinical problems. Does not count towards a major or minor in chemistry. Prerequisite: CHEM 2450 or 3411. Fall, spring.

3360 **INTERMEDIATE INORGANIC CHEMISTRY** Extension of principles of chemical structure, periodicity, and applications of inorganic systems to industrial, environmental, and biochemical processes. Prerequisite: grade of C or better in CHEM 1451. Fall. Does not count towards a chemistry major; does count towards a chemistry minor.

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 3 laboratory hours per week. Prerequisite: grade of C or better in CHEM 2401. Spring, summer.

3520 **QUANTITATIVE ANALYSIS** Theory and practice of gravimetric, volumetric, and instrumental methods of quantitative analysis. Three hours of lecture and 6 hours of laboratory per week. Prerequisite: CHEM 1451. Fall, spring.

4100, 4200, 4300 **SPECIAL PROBLEMS IN CHEMISTRY** Fall, spring.

4101, 4201 **SENIOR RESEARCH** Original investigation of an assigned laboratory problem. Prerequisite: 3 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; Pre- or corequisite: CHEM 4320. Fall.

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. Pre- or corequisite: CHEM 4351. 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. Does not count towards a major or minor in chemistry, a major in general science, or a minor in physical science. 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. Fall.

4351 **ENVIRONMENTAL CHEMISTRY** Coverage of important environmental issues based on sound scientific principles. Energy, the atmosphere, the hydrosphere, and the biosphere are covered. 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** Advanced topics in chemistry based on the quantum mechanical and thermodynamic concepts of modern physical chemistry. Prerequisite: CHEM 4460. Spring.

4450 **PHYSICAL CHEMISTRY I** Modern theoretical chemistry with laboratory applications; quantum mechanics and spectroscopy. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: CHEM 1451, PHYS 1442, and MATH 2561. Spring.

4451 **ADVANCED ANALYTICAL CHEMISTRY** Modern methods of analysis stressing instrumentation. Two hours of lecture and 6 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 3 hours of laboratory per week. Prerequisite: grade of C or better in CHEM 4450. Fall.

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PHYSICS AND ASTRONOMY

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FACULTY

Chair and Professor: Dr. Rosen, 450-5900
Professor: Dr. Pray
Associate Professors: Dr. Addison, Dr. Gaiser, Dr. Mehta, Dr. Woolverton
Assistant Professors: Dr. Frederickson, Dr. Ramseyer, Dr. Ross

PURPOSES

The courses offered by the Department of Physics and Astronomy serve two main purposes: first, to contribute to the knowledge and awareness of

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 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.

THE HONORS PROGRAM IN PHYSICS

Junior and senior students with overall grade averages of at least 3.0 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

Major in Physics

A physics degree is an excellent preparation for much more than just a career in physics. The physics and mathematics expertise and the cognitive skills acquired in earning a physics degree are valuable in many fields of endeavor. For example, it seems that one of the best predictors for acceptance into medical school is a physics degree.

The BS in physics program makes the advantages of a physics degree available to a wide range of students. The program allows the student to choose one of a number of tracks to fit his or her interests and goals. The tracks are physics, biological physics, chemical physics, mathematical physics, physics education, and physical science.

A BS degree with a major in physics requires the successful completion of (1) general education requirements; (2) UCA degree requirements; (3) the major requirements listed below, and (4) a minor, if it is required, to be

worked out with the student's minor advisor. The major requirements for various tracks follow:

Core

All tracks of the BS in physics program require completion of a 30-hour core, consisting of 17 hours of physics and 13 hours of mathematics.

Core physics courses:

PHYS 1200 Introduction to Physics
PHYS 1441 University Physics 1*
PHYS 1442 University Physics 2*
PHYS 2443 University Physics 3*
PHYS 3110 Junior Laboratory 1
PHYS 3120 Junior Laboratory 2
PHYS 4110 Senior Laboratory

*For the biological physics, physics education, and physical science tracks, the University Physics course sequence may be replaced by the College Physics course sequence:

PHYS 1410 College Physics 1
PHYS 1420 College Physics 2
PHYS 2430 College Physics 3

Core mathematics courses:

MATH 1591 Calculus I
MATH 2561 Calculus II
MATH 3321 Calculus III

Note that the non-PHYS course requirements in the core and tracks are related requirements and are not considered part of the major itself.

The department faculty offer a variety of student research projects in many different areas of physics. All physics majors are encouraged to participate in research projects, for which credit may be obtained. All physics majors

are strongly encouraged to attend the department seminar.

Physics Track

This is the traditional physics track, offering excellent preparation both for those planning a physics- or astronomy-related career, including graduate school, and for those desiring a physics degree for entry into other fields, such as engineering. The program is very flexible and can be tailored to the particular needs and interests of the individual student by using electives, of which a minimum of 13 hours is required. For example, a student wishing a graduate school preparation will choose appropriate electives. A student desiring an astronomy/astrophysics emphasis will choose suitable electives. Or, a student planning on an engineering career will choose electives accordingly. The student's advisor will work closely with the student to achieve the optimal curriculum for the student.

This track requires a minor. The requirements for a mathematics minor are met by the mathematics courses required by the core and the track.

Another possibility is a double major in physics and mathematics, for which the student fulfills the separate major requirements of physics and mathematics. In that case the requirement of a minor is waived.

In addition to the core, the following courses are required:

Physics courses:

PHYS 3341 Mathematical Methods in Physics
PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3353 Quantum Theory 1
PHYS 3360 (or ENGR 3360) Electromagnetism 1
PHYS 3361 (or ENGR 3361) Electromagnetism 2
And a minimum of 13 hours of elective courses approved by the Department of Physics and Astronomy. These may include up to 3 hours of Special Problems.

Mathematics courses:

MATH 3320 Linear Algebra and Matrices
MATH 3331 Differential Equations

Physics hours required:	48
Mathematics hours required:	19
Total hours required:	67

A suggested sequence for physics and mathematics courses follows:

Freshman - fall	**Freshman - spring**
PHYS 1200 Introduction to Physics	PHYS 1441 University Physics 1
MATH 1591 Calculus I	MATH 2561 Calculus II
Sophomore - fall	**Sophomore - spring**
PHYS 1442 University Physics 2	PHYS 2443 University Physics 3
MATH 3320 Linear Algebra and Matrices	PHYS 3341 Math Methods in Physics
MATH 3321 Calculus III	MATH 3331 Differential Equations
Junior - fall	**Junior - spring**
PHYS 3110 Junior Laboratory 1	PHYS 3120 Junior Laboratory 2
PHYS 3342 Mechanics	PHYS 3343 Thermal Physics
Upper-division courses	PHYS 3353 Quantum Theory 1
	Upper-division courses
Senior - fall	**Senior - spring**
PHYS 3360 Electromagnetism 1	PHYS 3361 Electromagnetism 2
PHYS 4110 Senior Laboratory	Upper-division courses
Upper-division courses	

Biological Physics Track

The program offers a physics-based curriculum for students planning to enter medical school. It also serves as an excellent entry into medical physics and health related fields, including graduate study. Note: It appears that one of the best predictors for acceptance into medical school is a physics degree.

This track does not require a minor.

In addition to the core, the following courses are required:

Physics courses:

PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3345 Optics
A course in radiation physics or health physics, approved by the Department of Physics and Astronomy.

Mathematics courses:

A course in statistics, approved by the Department of Physics and Astronomy.

Biology courses:

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
BIOL 3402 Cell Biology
BIOL 4460 Animal Physiology

Chemistry courses:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II

Six hours of appropriate business courses are recommended.

Physics hours required:	26
Mathematics hours required:	16
Biology hours required:	16
Chemistry hours required:	16
Total hours required:	74

A suggested sequence for physics, mathematics, biology, and chemistry courses follows:

Freshman - fall	**Freshman - spring**
PHYS 1200 Introduction to Physics	PHYS 1441 University Physics 1
MATH 1591 Calculus I	or
BIOL 1440 Principles of Biology I	PHYS 1410 College Physics 1
	MATH 2561 Calculus II
	BIOL 1441 Principles of Biology II
Sophomore - fall	**Sophomore - spring**
PHYS 1442 University Physics 2	PHYS 2443 University Physics 3
or	or
PHYS 1420 College Physics 2	PHYS 2430 College Physics 3
MATH 3321 Calculus III	CHEM 1451 College Chemistry II
CHEM 1450 College Chemistry 1	Course in statistics
Junior - fall	**Junior - spring**
PHYS 3110 Junior Laboratory 1	PHYS 3343 Thermal Physics
PHYS 3345 Optics	PHYS 3120 Junior Laboratory 2
CHEM 2401 Organic Chemistry I	CHEM 3411 Organic Chemistry II
Senior - fall	**Senior - spring**
PHYS 4110 Senior Laboratory	BIOL 4460 Animal Physiology
BIOL 3402 Cell Biology	Course in radiation physics

Chemical Physics Track

The program is intended for those students who are particularly interested and strongly motivated in physical science. It provides an excellent preparation for entering the chemistry-oriented industrial work force or for continued study in engineering or graduate school.

This track does not require a minor. However the chemistry courses required by the track are more than sufficient for a minor in chemistry, and the requirements for a mathematics minor are met by the mathematics courses required by the core and the track. Another possibility is a double major in physics and chemistry or in physics and mathematics, for which the student fulfills the separate major requirements for each field.

In addition to the core, the following courses are required:

Physics courses:

PHYS 3341 Mathematical Methods in Physics
PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3353 Quantum Theory 1
PHYS 3360 (or ENGR 3360) Electromagnetism 1
PHYS 3361 Electromagnetism 2

Mathematics courses:

MATH 3320 Linear Algebra and Matrices
MATH 3331 Differential Equations

Chemistry courses:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3520 Quantitative Analysis
CHEM 4450 Physical Chemistry I

And a minimum of 8 hours of courses approved by the Department of

Physics and Astronomy from among the following, on condition that at least two of the courses involve laboratory:

CHEM 3150 Advanced Inorganic Laboratory
CHEM 3411 Organic Chemistry II
CHEM 4121 Biochemistry Laboratory
CHEM 4152 Environmental Chemistry Laboratory
CHEM 4320 Biochemistry
CHEM 4351 Environmental Chemistry
CHEM 4380 Advanced Inorganic Chemistry
CHEM 4451 Advanced Analytical Chemistry

Physics hours required:	35
Mathematics hours required:	19
Chemistry hours required:	29
Total hours required:	83

A suggested sequence for physics, mathematics, and chemistry courses follows:

Freshman - fall	**Freshman - spring**
PHYS 1200 Introduction to Physics	PHYS 1441 University Physics 1
MATH 1591 Calculus I	MATH 2561 Calculus II
CHEM 1450 College Chemistry I	CHEM 1451 College Chemistry II
Sophomore - fall	**Sophomore - spring**
PHYS 1442 University Physics 2	PHYS 2443 University Physics 3
MATH 3320 Linear Algebra and Matrices	PHYS 3341 Math Methods in Physics
MATH 3321 Calculus III	MATH 3331 Differential Equations
CHEM 2401 Organic Chemistry I	CHEM 3520 Quantitative Analysis
Junior - fall	**Junior - spring**
PHYS 3110 Junior Laboratory 1	PHYS 3120 Junior Laboratory 2

PHYS 3342 Mechanics Upper-division courses	PHYS 3343 Thermal Physics PHYS 3353 Quantum Theory 1 Upper-division courses
Senior - fall	**Senior - spring**
PHYS 3360 Electromagnetism 1 PHYS 4110 Senior Laboratory Upper-division courses	PHYS 3361 Electromagnetism 2 CHEM 4450 Physical Chemistry 1 Upper-division courses

Mathematical Physics Track

This program is intended for those students who are particularly interested and strongly motivated both in physics and in mathematics. It offers an excellent preparation for graduate study in theoretical physics, mathematical physics, computational physics, applied mathematics, engineering, and others.

This track does not require a minor. However the requirements for a mathematics minor are met by the mathematics courses required by the core and the track, while a mathematics major may be earned by additionally taking both MATH 3360 and MATH 3362, giving the student a double major in physics and mathematics.

In addition to the core, the following courses are required:

Physics courses:

PHYS 3341 Mathematical Methods in Physics
PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3353 Quantum Theory 1
PHYS 3354 Quantum Theory 2
PHYS 3360 (or ENGR 3360) Electromagnetism 1
PHYS 3361 (or ENGR 3361) Electromagnetism 2
PHYS 4341 Advanced Mathematical Methods
PHYS 4351 Computational Physics (or MATH 4340 Numerical

Methods)

Mathematics courses:

MATH 3320 Linear Algebra and Matrices
MATH 3331 Differential Equations
MATH 4305 Applied Mathematics
MATH 4362 Advanced Calculus I
MATH 4363 Advanced Calculus II
MATH 4371 Statistics I
MATH 4385 Complex Analysis

A course in group theory, approved by the Department of Physics and Astronomy.

Physics hours required:	44
Mathematics hours required:	37
Total hours required:	81

A suggested sequence for physics and mathematics courses follows:

Freshman - fall	**Freshman - spring**
PHYS 1200 Introduction to Physics	PHYS 1441 University Physics 1
MATH 1591 Calculus I	MATH 2561 Calculus II
Sophomore - fall	**Sophomore - spring**
PHYS 1442 University Physics 2	PHYS 2443 University Physics 3
MATH 3320 Linear Algebra and Matrices	PHYS 3341 Math Methods in Physics
MATH 3321 Calculus III	MATH 3331 Differential Equations
MATH 4371 Statistics I	MATH 4385 Complex Analysis
Junior - fall	**Junior - spring**
PHYS 3110 Junior Laboratory 1	PHYS 3120 Junior Laboratory 2
PHYS 3342 Mechanics	PHYS 3343 Thermal Physics

PHYS 4341 Advanced Math Methods	PHYS 3353 Quantum Theory 1
Course in group theory	MATH 4305 Applied Mathematics

Senior - fall	**Senior - spring**
PHYS 3354 Quantum Theory 2	PHYS 3361 Electromagnetism 2
PHYS 3360 Electromagnetism 1	PHYS 4351 Computational Physics
PHYS 4110 Senior Laboratory	MATH 4363 Advanced Calculus II
MATH 4362 Advanced Calculus I	

Physics Education Track

The program is recommended by the Department of Physics and Astronomy for those students planning to become high-school teachers of physical science (including earth science).

This track requires a minor. However, the minor requirement is waived for students who are receiving or have received recommendation for teacher certification from the College of Education. Students planning to study for teacher certification should clarify with the College of Education which courses they should take beyond those required for this track.

In addition to the core, the following courses are required:

Physics courses:

PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3345 Optics

Earth science courses:

PHYS 1401 Descriptive Astronomy
PHYS 1402 Physical Geology

Teaching methods course:

PHYS 4360 Physics for Secondary Teachers (or equivalent science teaching methods course, approved by the Department of Physics and Astronomy)

Chemistry courses:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II

Computer science course:

A course in computer science, approved by the Department of Physics and Astronomy

Other course:

A course in the history and philosophy of science, approved by the Department of Physics and Astronomy

Physics hours required:	26
Earth science hours required:	8
Teaching methods hours required:	3
Mathematics hours required:	13
Chemistry hours required:	8
Computer science hours required:	3
Other hours required:	3
Total hours required:	64

A suggested sequence for core and track courses follows:

Freshman - fall	**Freshman - spring**
PHYS 1200 Introduction to Physics	PHYS 1441 University Physics 1
MATH 1591 Calculus I	or
PHYS 1401 Descriptive Astronomy	PHYS 1410 College Physics 1
	MATH 2561 Calculus II

	Course in computer science
Sophomore - fall	**Sophomore - spring**
PHYS 1442 University Physics 2 or PHYS 1420 College Physics 2	PHYS 2443 University Physics 3 or PHYS 2430 College Physics 3
MATH 3321 Calculus III	PHYS 1402 Physical Geology
CHEM 1450 College Chemistry I	CHEM 1451 College Chemistry II
Junior - fall	**Junior - spring**
PHYS 3110 Junior Laboratory 1	PHYS 3120 Junior Laboratory 2
PHYS 3342 Mechanics	PHYS 3343 Thermal Physics
PHYS 3345 Optics	PHYS 4360 Physics for Secondary Teachers
Senior - fall	**Senior - spring**
PHYS 4110 Senior Laboratory	Course in history and philosophy of science

Physical Science Track

This program is intended for those students who are interested in physical science, do not intend to specialize in either physics or chemistry, and prefer a less demanding curriculum than that of the chemical physics track. The program is very flexible and can be tailored to the particular needs and interests of the individual student by using electives, of which a minimum of 18 hours is required: nine in physics and nine in chemistry. The student's advisor will work closely with the student to achieve the optimal curriculum for the student.

This track requires a minor.

In addition to the core, the following courses are required:

Physics courses:

A minimum of 9 hours of upper-division physics courses approved by the Department of Physics and Astronomy. These may include up to 3 hours of Special Problems.

Chemistry courses:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I

And a minimum of 9 hours of upper-division chemistry courses approved by the Department of Physics and Astronomy.

Physics hours required:	26
Mathematics hours required:	13
Chemistry hours required:	21
Total hours required:	60

A suggested sequence for physics, mathematics, and chemistry courses follows:

Freshman - fall	**Freshman - spring**
PHYS 1200 Introduction to Physics MATH 1591 Calculus I	PHYS 1441 University Physics 1 or PHYS 1410 College Physics 1 MATH 2561 Calculus II
Sophomore - fall	**Sophomore - spring**
PHYS 1442 University Physics 2 or PHYS 1420 College Physics 2 MATH 3321 Calculus III CHEM 1450 College Chemistry I	PHYS 2443 University Physics 3 or PHYS 2430 College Physics 3 CHEM 1451 College Chemistry II
Junior - fall	**Junior - spring**

PHYS 3110 Junior Laboratory 1	PHYS 3120 Junior Laboratory 2
CHEM 2401 Organic Chemistry I	Upper-division courses
Upper-division physics course	

Senior - fall	**Senior - spring**
PHYS 4110 Senior Laboratory	Upper-division courses
Upper-division courses	

Minor in Physics **24 hours**

PHYS 1441 University Physics 1*
PHYS 1442 University Physics 2*
PHYS 2443 University Physics 3*
PHYS 3110 or 3120 Junior Laboratory
PHYS 3342 (or ENGR 3342) Mechanics

And minimum of 8 hours of elective courses approved by the Department of Physics and Astronomy. These may include up to 3 hours of Special Problems.

*The University Physics course sequence may be replaced by the College Physics Course sequence:

PHYS 1410 College Physics 1
PHYS 1420 College Physics 2
PHYS 2430 College Physics 3

Related requirements:

MATH 1591 Calculus I
MATH 2561 Calculus II
MATH 3321 Calculus III

Major in General Science (see Department of Chemistry.)

Minor in Physical Science **24 hours**

CHEM 1450 and 1451, and either 2401 or 3520; PHYS 1410 and 1420 (or PHYS 1441 and 1442), and either 1401 or 2430 (or 2443); MATH 1390 and 1392, or 1580, or equivalent.

TEACHER CERTIFICATION

Along with a BS in physics, the student may obtain recommendation for teacher certification. For details see College of Education. The student should consult the major advisor and the certification advisor in the College of Education.

COURSES IN PHYSICS

1400 **PHYSICAL SCIENCE FOR GENERAL EDUCATION** Principles of elementary physics, chemistry, and astronomy for the non-science major. Includes laboratory. Fall, spring, summer.

1401 **DESCRIPTIVE ASTRONOMY** An introduction to the changing appearance of the night sky, to the solar system, and to the stars. Includes laboratory. Fall, spring, summer.

1402 **PHYSICAL GEOLOGY** Nature and properties of materials composing the earth, the distribution of those materials, the processes by which they are formed, transported, and distorted, and the nature and development of the landscape. Includes laboratory.

1405 **APPLIED PHYSICS** Forces, energy, fluids, sound, heat, light, electricity, and radioactivity, with applications to the health sciences. For health science students. (Not open to students who have completed PHYS 1410 or 1441, unless specifically required for major. May not be applied toward a major or minor together with PHYS 1410, 1420, 1441, or 1442.) Prerequisite: high school or college algebra. Fall, spring, summer.

1410 **COLLEGE PHYSICS 1**Mechanics (kinematics, force, work, energy, momentum, rotational motion, elasticity, fluids), heat, and thermodynamics. For pre-medical, pre-dental, and other students needing a basic introduction to physics. Includes laboratory. Prerequisite: high school trigonometry and grade of C or better in MATH 1390 or equivalent. Fall, spring, summer.

1420 **COLLEGE PHYSICS 2** Continuation of College Physics 1. Simple harmonic motion, waves, sound, electricity, magnetism, and light. 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.

2421 **OBSERVATIONAL ASTRONOMY** Field work with telescopes and other equipment; methods for making celestial observations. Prerequisite: PHYS 1401.

4301 **CONCEPTS OF PHYSICAL SCIENCE 1** A laboratory course designed for the elementary, junior high, and high school teacher. Prerequisite: consent of instructor.

4302 **CONCEPTS OF PHYSICAL SCIENCE 2** Continuation of PHYS 4301. Prerequisite: consent of instructor.

COURSES FOR DEPARTMENT MAJORS

1100 **PROJECTS IN PHYSICS** Introductory physics projects involving laboratory work, library research, and/or problem solving. Written reports and oral presentations may be required. Prerequisite: consent of department. Fall, spring, summer.

1200 **INTRODUCTION TO PHYSICS** Introduces the student to the field of physics in a discussion format involving student activity. Deals with current topics and conceptual issues in physics and acquaints the student with the department faculty members and their professional interests. Fall.

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. Spring.

1442 **UNIVERSITY PHYSICS 2** Continuation of PHYS 1441. Prerequisite: PHYS 1441. Pre- or corequisite: MATH 2561. Fall.

2430 **COLLEGE PHYSICS 3** Continuation of PHYS 1420. Introduction to wave optics, the special theory of relativity, the foundations of quantum theory with examples and applications, atomic structure, and subatomic physics. Includes laboratory. Prerequisite: PHYS 1420; pre- or corequisite: MATH 2561. Fall, spring.

2443 **UNIVERSITY PHYSICS 3** Continuation of PHYS 1442. Introduction to ray and wave optics, the special theory of relativity, the foundations of quantum theory with examples and applications, atomic structure, and subatomic physics. Includes laboratory. Prerequisite: PHYS 1442; pre- or corequisite: MATH 3321. Spring.

2447 **ELECTRONICS** A basic study of electronic principles, devices, and circuits, both analog and digital. Prerequisites: PHYS 1420 or 1442, MATH 1591.

3110 **JUNIOR LABORATORY 1** A laboratory course that includes, but is not confined to, experiments related to upper-division physics courses such as Mechanics, Electromagnetism, and Optics. Selection of experiments is adapted to the needs and program of the individual student. Involves student presentations. Requires attendance at department seminar. Prerequisite: PHYS 2443 or PHYS 2430. Fall.

3120 **JUNIOR LABORATORY 2** A laboratory course that includes, but is not confined to, experiments related to upper-division physics courses such as Mechanics, Electromagnetism, and Optics. Selection of experiments is adapted to the needs and program of the individual student. Involves student presentations. Requires attendance at department seminar. Prerequisite: PHYS 2443 or PHYS 2430. Spring.

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. Prerequisites: MATH 3320, 3321 and PHYS 1442 or 1420. 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 2443 or 2430, MATH 3321. Spring.

3345 **OPTICS** An introduction to geometrical and physical optics. Topics include: reflection, refraction, wave, equation, interference, diffraction, polarization, absorption, and coherence. Prerequisites: PHYS 2443 or 2430, MATH 3321. Fall.

3353 **QUANTUM THEORY 1** The physical foundation and mathematics of quantum theory; matrix and operator formalisms. Prerequisites: PHYS 2443 or 2430, 3341, 3342. Spring.

3354 **QUANTUM THEORY 2** Continuation of PHYS 3353. Approximation methods, perturbation theory, and applications to quantum systems. Prerequisite: PHYS 3353.

3360 **ELECTROMAGNETISM 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. Fall.

3361 **ELECTROMAGNETISM 2** Continuation of PHYS 3360. Propagation, reflection, refraction, and radiation of electromagnetic waves. Prerequisite: PHYS 3360. Spring.

4110 **SENIOR LABORATORY** A laboratory course that offers diverse laboratory experiences that are more specialized than those of Junior Laboratory. Selection of experiments is adapted to the needs and program of the individual student. Involves student presentations. Requires attendance at department seminar. Prerequisites: PHYS 3110, 3120. Fall.

4341 **ADVANCED MATHEMATICAL PHYSICS** Tensor analysis, integral transforms, solutions to non-linear differential equations, an introduction to chaos, special topics in mathematical physics. Pre- or corequisite: PHYS 3341.

4350 **TOPICS IN THEORETICAL PHYSICS** Content will vary, depending on interests of faculty and students. Examples: acoustics, astrophysics, atomic physics, condensed matter, cosmology, elementary particles, fluid mechanics, nuclear physics. May be repeated with different content. Prerequisite: consent of instructor.

4351 **COMPUTATIONAL PHYSICS** An introduction to computational techniques of solving physics problems. Prerequisite: consent of department.

4360 **PHYSICS FOR SECONDARY TEACHERS** Introduction to secondary-level teaching materials and laboratory techniques. Prerequisite: consent of instructor.

4103, 4203, 4303 **SPECIAL PROBLEMS IN PHYSICS** May consist of problem solving, library research, and/or laboratory work. Student may register for 1 to 4 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 1 to 4 hours each semester. May be repeated with change of content. Fall, spring, summer.

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MATHEMATICS

UCA Undergraduate Bulletin, 1998–2000

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FACULTY

Chair and Associate Professor: Dr. Foss, 450-3147
Professors: Dr. Buchanan, Dr. Dombek, Dr. Huff, Dr. Peterson
Associate Professors: Dr. Bratton, Dr. Butcher, Dr. Griffith, Dr. Pinchback, Dr. Serven, Dr. Wang
Assistant Professors: Mr. Adlong, Dr. Hickling, Mr. McAnally, Dr. McGehee, Mr. McKim, Dr. Mullins, Dr. Smith
Lecturer: Ms. Royster

PURPOSES

The undergraduate mathematics curriculum furnishes the necessary background for specialization in technical fields, graduate study in mathematics, and teaching mathematics at elementary, middle, and secondary levels.

ADVANCED PLACEMENT

The Department of Mathematics 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 (MATH 4380 or MATH 4381). The successful completion of these research studies makes 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) the general education component; (2) degree requirements; 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; 6 hours of electives chosen from the following courses: MATH 3331, 4305, 4306, 4340, 4363, 4372, 4373, 4375, 4385, 4195, 4295, 4395. Workshop courses must be approved by the student's advisor.

Minor in Mathematics **19 Hours**

MATH 1591, 2561, 3320 or 3360, and 6 hours of mathematics electives selected from: 3320, 3321, 3331, 3360, 3362, 4305, 4340, 4371, 4385.

Bachelor of Science

The degree of Bachelor of Science, with a major in mathematics or applied mathematics, requires successful completion of 124 hours, including (1) the general education component; (2) degree requirements; 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; 6 hours of electives chosen from the following courses: MATH 3331, 4305, 4306, 4340, 4363, 4372, 4373, 4375, 4385, 4195, 4295, 4395. Workshop courses must be approved by the student's advisor.

Major in Applied Mathematics **35 Hours**

MATH 1191, 1591, 2561, 3320, 3321, 3331, 4305, 4306, 4371, 4372; a minimum of 3 hours of electives chosen from the following courses: MATH 4340, 4362, 4363, 4373, 4375, 4385.

Minor in Mathematics **19 Hours**

MATH 1591, 2561, 3320 or 3360 and 6 hours of mathematics electives selected from: 3320, 3321, 3331, 3360, 3362, 4305, 4340, 4371, 4385.

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) the general education component; (2) degree component; (3) directed teaching in mathematics; and (4) 6 hours of computer science.

Major in Mathematics **37 Hours**

MATH 1591, 2561, 3320, 3321, 3360, 3362, 4301, 4345, 4350, 4371; and

3 hours of mathematics electives in upper-division courses.

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 Bulletin*.

COURSES IN MATHEMATICS

1150 MATH SOFTWARE An introduction to computer algebra software, e.g. Mathematica, Derive, or other current software. The course provides students with basic computer skills for application throughout the mathematics curriculum and prepares students who are enrolled in calculus or pre-calculus to use technology to enhance their understanding of the course content. Prerequisite: MATH 1390 or equivalent. Fall, spring.

1191 MATH DISCOVERY SEMINAR The purpose is to improve students' analytical thinking and problem-solving skills early in their mathematics careers. This will be done by introducing the logical foundations of mathematics and by developing and implementing group and individual problem-solving strategies. Prerequisite: MATH 1390 or equivalent. Fall.

1360 MATHEMATICS FOR GENERAL EDUCATION A course which meets the general education aims of the university through the study of topics of contemporary mathematics. 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. 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. Prerequisite: MATH 1390 or equivalent.

1396 CALCULUS FOR THE LIFE SCIENCES This course is a brief introduction to calculus and will include differentiation and integration of polynomial, exponential, and logarithm functions, solutions of simple differential equations, and the application of these techniques to solve physical problems. Prerequisite: MATH 1390 or equivalent. Fall, spring.

1580 ALGEBRA AND TRIGONOMETRY Concepts of algebra and trigonometry essential to the 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. The study of limits, continuity, derivatives, integrals, and their applications. 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. The study of transcendental functions, series, vectors, and parametric equations. Prerequisite: C or better in MATH 1591. Fall, spring.

3311 **STATISTICAL METHODS II** Further introduction to statistical data analysis including multiple linear regression, experimental designs, and analysis of variance (ANOVA). Statistical computer software will be utilized. Prerequisites: Math 2311 or equivalent and consent of instructor. Fall, spring.

3320 **LINEAR ALGEBRA AND MATRICES** Vector spaces, matrices and determinants, linear transformations, and other topics. Prerequisite: MATH 1591. Fall, spring, summer.

3321 **CALCULUS III** Continuation of Calculus II, including vector-valued functions, partial differentiation, and multiple integrals. Prerequisite: C or better in MATH 2561. Fall, spring.

3331 **DIFFERENTIAL EQUATIONS** Equations of the first and higher order and their applications. Prerequisite: C or better in MATH 2561. Fall.

3351 NUMBER SYSTEMS FOR ELEMENTARY TEACHERS Structure of the real number system. Prerequisite: student must be majoring in elementary education or special education. Fall, spring.

3360 INTRODUCTION TO ABSTRACT ALGEBRA I A study of the elementary algebraic structures, such as groups, rings, fields, and other topics. Prerequisite: MATH 2561. Fall, spring, summer.

3362 INTRODUCTION TO ABSTRACT ALGEBRA II A continuation of MATH 3360. Prerequisite: MATH 3360. Spring, summer.

4301 SECONDARY MATHEMATICS METHODS This course is designed for students working toward a BSE 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 I Ordinary and partial differential equations; mathematical modeling applied to problems from physics, chemistry, and biology. Prerequisite: MATH 3331. Fall.

4306 APPLIED MATHEMATICS II A project oriented continuation of MATH 4305 that applies differential equations and other methods to solve real-world problems from science, business, and industry. Prerequisites: MATH 4305, MATH 3320. Spring.

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: C or better in 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: C or better in MATH 3351 or equivalent. Fall, spring, summer.

4340 NUMERICAL METHODS Introduction to the use of methods of numerical analysis with modern high speed 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.

4350 INTRODUCTION TO THE HISTORY OF MATHEMATICS The history and development of topics in the secondary mathematics curriculum including numbers and number systems, arithmetic, algebra, geometry, trigonometry, and calculus. Prerequisite: MATH 2561. Fall.

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 INTRODUCTION TO PROBABILITY A calculus-based introduction to probability and the distributions and properties of several discrete random variables including hypergeometric, geometric, binomial, negative binomial, Poisson, and the distributions and properties of several continuous random variables. Prerequisite: MATH 2561. Fall.

4372 **INTRODUCTION TO STATISTICAL INFERENCE** Continuation of MATH 4371. Introduction to the theory of statistical inference including sampling distribution, estimation, hypothesis testing, ANOVA, linear models, and nonparametric methods. Prerequisite: MATH 4371. Spring.

4373 **APPLIED STATISTICS** An introduction to analysis of variance. Students will learn how to estimate the parameters of a basic linear model, design basic experiments, analyze experimental data through ANOVA, and will study applications in business and industry. Prerequisite: MATH 4372.

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.

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COMPUTER SCIENCE

UCA Undergraduate Bulletin, 1998–2000

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- Faculty
- Purposes
- The Honors Program in Computer Science
- Baccalaureate Degrees
- Courses in Computer Science

FACULTY

Interim Chair and Professor: Dr. Seifert, 450-3401
Associate Professors: Dr. Brown, Dr. Tomer, Dr. Wang
Assistant Professor: Dr. Forbes
Lecturers: Mr. Bell, Mr. Epperson

PURPOSES

The Department of 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, 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 software engineering position with respect to the design and

implementation of software and systems and (2) to prepare the student for entry into a program of graduate study in computer science.

The Department of 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; (2) degree requirements; 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, 3320, 3350, 3370, 3390, 4300, and 12 hours of electives to be chosen as follows: 9 to 12 hours from CSCI 3330, 4320, 4330, 4350, 4360, 4370, 4380, 4195, 4295, 4395; and 0 to 3 hours from QMIS 2328, 3310, 3328.

The following mathematics courses (14 hours) are required: MATH 1591, 2311 or 4371, 2330 and 3320.

The following science courses (16 hours) are required: BIOL 1440, and one sequence of CHEM 1450, 1451, PHYS 1410, 1420 or PHYS 1441, 1442; one course from BIOL 1441, CHEM 1450, 1451, 2401, PHYS 1410, 1420, 1441, 1442, 2447.

Minor in Computer Science **20 Hours**

CSCI 1170, 1180, 1370, 1380, 2350, 3320, 3370, and 3 hours of any other upper-division CSCI course.

NOTE: Students interested in computer studies restricted to business applications should examine the information systems program described in the Department of Marketing, Management, and Information Systems in the College of Business Administration.

COURSES IN COMPUTER SCIENCE

1110 **INTRODUCTION TO ELECTRONIC SPREADSHEET** An introductory course in electronic spreadsheet using commercially-available spreadsheet packages. Every semester.

1115 **INTRODUCTION TO DATABASES** Introduction to database technology. Coverage of data retrieval, creation of forms, report generations, creation of data retrieving macros, and BASIC language programming with embedded data retrieval operations. Every semester.

1120 **INTRODUCTION TO PRESENTATION SOFTWARE** Training in the use of presentation and authoring software tools. Every semester.

1125 **INTRODUCTION TO WORD PROCESSING** An introduction to electronic word processing using commercially available word processing software packages. A basic knowledge of computer usage is assumed. Every semester.

1130 **INTRODUCTION TO INTERNET** This is an introductory course on the Internet and the World Wide Web, covering E-mail, FTP, Gopher, Telnet, Archie, Usenet, Search Engines, HTML, legal/ethical/social/security issues, and the use of popular Web browsers. Every semester.

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. Prerequisites: 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, and 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. Prerequisites: 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 illustrating various approaches to solve these problems through programming. It provides guided analysis of the problems at different levels of difficulty and gives the students the opportunity to synthesize their knowledge from other CSCI courses. The use of debuggers and library functions while the students are deeply involved in programming activities. Prerequisite: CSCI 3320 or consent of instructor.

3300 COMPUTER ORGANIZATION Introduction to the organization and design of digital computers, number systems and codes, Boolean algebra and simplification of Boolean functions, combinational logic, programmable logic, and synchronous sequential logic. Prerequisite: CSCI 2350. Fall.

3320 **INTRODUCTION TO DATA STRUCTURES** Fundamental data structures, data types, abstract data types, algorithm analysis and design, lists, stacks, queues, binary trees, trees, hashing, graphs, sorting, and searching. Prerequisite: CSCI 1380. Fall, spring.

3330 **ALGORITHMS** Design and analysis of algorithms, divide-and-conquer, greedy method, dynamic programming, search and traversal techniques, backtracking, branch-and-bound, algebraic simplification and transformations, NP-Hard and NP-Complete problems, approximation algorithms, memory management. Prerequisites: CSCI 3320, MATH 1591 and 2330. On demand.

3350 **FILE PROCESSING** File processing concepts and terminology, physical characteristics of external storage devices, external data representation, sequential files, linked lists, trees, networks, file 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, operators and expressions, control structures, abstract data types, subprograms, and discussion of popular programming languages with each paradigm. 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. Prerequisite: CSCI 3320. Taking CSCI 3370 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, and concepts of telecommunication. Prerequisites: 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, and 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: consent of instructor. 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, and animated graphics. Prerequisites: 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.

4375 INTERNSHIP IN COMPUTER SCIENCE The student enrolled in this course will work for a local industry, business, or government entity for approximately 20 hours per week for a semester. This course is reserved for upper-division computer science majors or minors; however, this computer science credit may not be used to meet any major or minor requirements. Prerequisites: CSCI 2350, 3320. Fall, spring, summer.

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.

4381 OBJECT-ORIENTED PROGRAMMING WITH JAVA This course is to introduce object-oriented programming in Java. It covers the Java programming basics, building Java applets, multimedia handling, network programming techniques, and multi-thread programming techniques in Java language. The emphasis of this course is the object oriented programming techniques and network related programming techniques. Prerequisites: CSCI 3320, 3350. 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, expert systems, and programming in PROLOG/LISP. Prerequisite: CSCI 3320. On demand.

4390 **THEORY OF COMPUTATION** Introduces the elements of Theory of Computing covering basics of automata theory, formal languages, and Turing machines. Prerequisites: CSCI 3320 and MATH 2330. On demand.

4195, 4295, 4395 **WORKSHOP** Credit from one to 3 hours may be earned in one semester. May be repeated with a change in content for a maximum of 6 semester hours. Prerequisite: consent of instructor.

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ENVIRONMENTAL SCIENCE

Advisors and Associate Professors: Dr. Draves, 450-5961; Dr. Mathis, 450-5933

COURSES IN ENVIRONMENTAL SCIENCE

3410 INTRODUCTION TO ENVIRONMENTAL SCIENCE/ENVIRONMENTAL STUDIES Introduction to the environmental problems facing mankind, the scientific, economic, and social bases of these problems, potential solutions, and methodologies of environmental assessment. Prerequisites: BIOL 1440, 1441, CHEM 1450, 1451, and GEOG 1315 or PHYS 1402. Spring.

4310 PRACTICUM IN ENVIRONMENTAL SCIENCE/ENVIRONMENTAL STUDIES Supervised research on environmental problems using modern field collection techniques and methods of data analysis and interpretation. This course requires cooperative research with other students to fully investigate an environmental topic. Prerequisites: junior standing (or higher) and ENVR 3410. Fall.

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PRE-DENTISTRY

Advisor and Associate Professor: Dr. 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 their first semester at UCA. "3 + 1" students will major in general science, and approved course work at UCA must total 96 hours.

Four-year students will be able to choose a major in one of several areas, including biology, and must complete all of the requirements for their chosen major.

The following courses are commonly required by dental schools in Tennessee, Louisiana, Missouri, Oklahoma, and Texas, each of which admits a specified number of students from Arkansas.

General education - 45 hours; biology: 1440, 1441, 3402, and 4460; 4400 suggested; chemistry: 1450, 1451, 2401, 3411; physics: 1410, 1420; mathematics: 1390 or 1396.

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PRE-ENGINEERING

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- Transfer Agreements
- Core Curriculum
- Courses in Engineering

ADVISOR

Advisor and Assistant Professor: Dr. Ross, 450-5905

TRANSFER AGREEMENTS

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, Texas A&M University, and the University of Missouri-Columbia. 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.

CORE CURRICULUM

Students interested in an engineering program other than the above should complete a core curriculum including the following courses:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CSCI 1320 Scientific Programming
MATH 1591 Calculus I
MATH 2561 Calculus II
MATH 3321 Calculus III
MATH 3331 Differential Equations
PHYS 1441 University Physics 1
PHYS 1442 University Physics 2
PHYS 2343 University Physics 3
TECH 2375 Computer Aided Drafting

In addition to these courses, a student should complete WRTG 1310 and WRTG 1320, and humanities 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, and 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. Pre- or corequisite: 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 2443, MATH 3321.

3360 **ELECTROMAGNETISM 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.

3361 **ELECTROMAGNETISM 2** Continuation of ENGR 3360. Propagation, reflection, refraction, and radiation of electromagnetic waves. Prerequisite: ENGR 3360.

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PRE-MEDICINE

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The **Premedical Advisory Committee** consists of Dr. Jerald Manion (Chair) 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, but almost all 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. Electives 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 (UAMS) are as follows:

Biology: The committee strongly recommends the following as a minimum foundation in Biology:

Principles of Biology I (1440)
Principles of Biology II (1441)
Genetics (2490)
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/Writing:	Three semesters

Courses in the humanities are also required, but this requirement is satisfied by completion of the UCA general education program. UAMS suggests that the following courses, though not required, would be useful: statistics, computer science, calculus, sociology, general psychology, abnormal psychology, and speech.

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PRE-OPTOMETRY

Advisor and Assistant Professor: Dr. Kreiss, 450-3213

Optometry is a profession of specialists who diagnose and correct defects in vision. 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, but most 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 acquire a bachelor's degree before entry. 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 the following courses: BIOL 1440, 1441, 2405, and 2411 or 4525; CHEM1450, 1451, 2401, 3411; PHYS 1410, 1420; English/Writing, 12 credit hours; MATH 1390 plus 1392, or 1580 (most schools require 1591, 2561, 2311); social sciences, 6 credit hours; PSYC 1300.

In any case, the course of study at UCA should be adjusted to suit the admissions requirements of the optometry school(s) desired.

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PRE-PHARMACY

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- Advisor
- Program
- Required Courses

ADVISOR

Advisor and Associate Professor: Dr. Krause, 450-5940

PROGRAM

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 encouraged.

REQUIRED COURSES

BIOLOGY - (8 hours)

BIOL 1400 (Biology for General Education) and BIOL 2405 (Anatomy and Physiology); or BIOL 1440 and 1441 (Principles I and II).

CHEMISTRY - (16 hours)

CHEM 1450 and 1451 (College Chemistry I and II); CHEM 2401 and 3411 (Organic Chemistry I and II).

CRITICAL THINKING/PROBLEM SOLVING - (minimum of 6 hours)

Choose two of the following seven courses: ACCT 2310 (Principles I), CHEM 3520 (Quantitative Analysis), MATH 1591 (Calculus I), MATH 2561 (Calculus II), MATH 2311 (Statistical Methods), PHYS 1420 (College Physics 2), PHIL 2310 (Introduction to Logic).

ECONOMICS - (3 Hours)

ECON 1310 (Modern Political Economy).

ENGLISH/WRITING - (9 Hours)

WRTG 1310 and 1320 (Composition I and II) and one of the following: WRTG 3300 (Creative Writing); ENGL 2305 (or higher literature course); or SPTA 1300 (Basic Oral Communication).

MATHEMATICS - (5 or 6 Hours)

MATH 1390 (College Algebra and Mathematics) and 1392 (Trigonometry) or MATH 1580 (Algebra and Trigonometry) or 1591 (Calculus).

PHYSICS - (4 Hours)

PHYS 1410 (College Physics 1).

HUMANITIES ELECTIVE TO TOTAL 65 HOURS

ACCEPTABLE: Survey courses in art, music, history, theatre, 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 theatre, and computer science.

***No more than six hours of CLEP or credit by examination.**

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PRE-VETERINARY MEDICINE

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Advisor and Associate Professor: Dr. 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, upon successful completion of the first year of veterinary school, be awarded a degree from UCA provided they have met the following requirements:

- Completion of 96 hours of study, with at least 75 hours in residence at UCA,
- Completion of all general education requirements, and
- Completion of a major area of study. Courses in the veterinary medicine curriculum may, with the approval of the department chair, be used to satisfy the major requirements.

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.

Writing 1310, 1320
Biology 1440, 1441, 4525
Chemistry 1450, 1451, 2401, 3411, 4320
Mathematics 1580; or 1390, 1396
Physics 1410, 1420
Speech 1300
Electives (15 hours)

Granting of credit for CLEP subject exams may be considered. Credit earned by passing CLEP general exams is not accepted by LSU. For this and for any other exception, the student must secure advance permission from the School of Veterinary Medicine at LSU.

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ADMISSION TO THE UNIVERSITY

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ADMISSION TO THE UNIVERSITY

Inquiries about admission to undergraduate 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.

Falsification of any record, including the Application for Admission, is cause for immediate dismissal.

FIRST-TIME FRESHMAN ADMISSION

The University of Central Arkansas welcomes all applications for admission. Entering freshmen applications are evaluated on the basis of academic achievement, as evidenced by high school grade point average, standardized test scores (ACT or SAT), and rank in high school graduating class. The number of entering freshmen may be limited by the resources available to the university to provide quality academic programs according to standards established by the Board of Trustees.

A first-time freshman is defined as any student who has not previously enrolled in college or university.

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 of all colleges and/or universities attended since the last enrollment at UCA must be sent directly to the Office of the Registrar by the appropriate institutional official (e.g., Registrar).

COLLEGE PREPARATION CORE

Act 1290 (1997 General Assembly of the State of Arkansas) states that anyone who graduates from an Arkansas high school after May 1, 1999, must complete the college core curriculum in order to qualify for unconditional admission to public colleges and universities. This is in addition to any other requirement(s) for unconditional admission established by an individual institution. Students must successfully complete the required hours of core academic subjects (2.0 GPA) and any remedial course work within the first 30 semester hours.

EARLY ADMISSION

Full-Time

The 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 25, or equivalent scores on the SAT or ASSET exams, and be recommended by the high school principal.

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 as follows:

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 3.5 (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 3.5 (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.

SUMMER STUDY FOR HIGH SCHOOL STUDENTS

A student between the junior and senior year in high school is eligible to apply to attend summer school at the University of Central Arkansas. This special program provides an opportunity for the capable student to find rewarding learning experiences and benefit from an early start in the college career. Once admitted, such a student attends regular college courses and earns college credit applicable to a degree.

Upon the successful completion of the special summer program, the student may elect to return to high school for the senior year, or apply for the early admissions plan that substitutes the freshman year in college for the fourth year in secondary school. All of the requirements of the early admissions program need to be satisfied before the student is admitted early.

In addition to regular admission criteria, admission to the summer program is predicated upon the following special requirements: completion of six semesters of secondary school work; a grade average of B; and recommendation of the high school principal or counselor.

ADMISSION ON AN ADULT-SPECIAL BASIS

The adult-special classification applies to persons over twenty-one years of age who desire to take undergraduate courses for no credit. The adult-special classification approval for participation requires the consent of the instructor before the student is admitted. Satisfactory completion of the course is recorded on a permanent record maintained by the university, but no grades are issued. The adult-special student pays full registration fees.

ADMISSION AS A TRANSFER STUDENT

A student who has attended another college or university and has never attended UCA must apply for admission as a transfer student and will not be considered a first time freshman, even though no credits were earned at the previous institution. Falsification of any record, including the Application for Admission, is cause for immediate dismissal.

An official transcript will need to be sent directly to the Director of Admissions by the appropriate institutional official (e.g., Registrar). For placement in college writing and mathematics, ACT, SAT, or ASSET scores are required. All requirements relative to the Arkansas Assessment of General Education must be met when appreciable.

A transfer student is required to have at least a 2.0 cumulative GPA on all previous course work attempted at previous institutions. After enrollment at UCA, the GPA accumulated in residence at the university shall be the cumulative grade point average.

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 an appropriate regional accrediting agency, such as the North Central Association of Colleges and Schools, will receive credit on an evaluation of a transcript of their records submitted. 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) at the senior college level will be required for a baccalaureate degree.

Acceptance of credits and subsequent establishment of standing are provisional until completion of one semester of satisfactory work in residence at UCA.

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:

English Composition (Writing)	6 semester hours
Arts and Humanities	9 semester hours
(including 3 semester hours survey of literature)	
Speech	3 semester hours
College Algebra (or above)	3 semester hours
Natural Science (Lab/Bio/Phys Sci)	8 semester hours
Social Sciences	15 semester hours
(must include 3 semester hours of US history or government and 3 semester hours in Western Civilization. The remaining 9 hours must include 3 semester hours in 2 of the following areas: psychology, sociology, economics, geography, political science or anthropology)	
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.

STATE MINIMUM CORE CURRICULUM

In accordance with Act 98 of 1989, the Arkansas Higher Education Coordinating Board has approved the following core curriculum. Students who successfully complete these courses at UCA may transfer the credit to any state college in Arkansas.

English/Communications (6 hours required)

WRTG 1310 Introduction to College Writing
WRTG 1320 Academic Writing and Research

Mathematics (3 hours required)

MATH 1390 College Algebra

Science

8 hours required from the following:

BIOL 1400 Biology for General Education
BIOL 1410 Molecular and Cellular Principles of Biology
CHEM 1400 Chemistry in Society
PHYS 1400 Physical Science for General Education
PHYS 1401 Descriptive Astronomy

Fine Arts/Humanities

6 hours required from the following:

ART 2300 Art Appreciation
ENGL 2305 World Literature I
ENGL 2306 World Literature II
ENGL 2370 Introduction to Fiction
ENGL 2380 Introduction to Poetry
ENGL 2390 Introduction to Drama
FLAN 2315 Cultural Traditions
MUS 2330 Music Appreciation

PHIL 1300 Philosophy for Living
PHIL 1310 Effective Thinking
PHIL 1320 World Religions
SPTA 2300 Theatre Appreciation

Social Science

3 hours required from the following:

HIST 2301 American Nation I
HIST 2302 American Nation II
PSCI 1330 United States Government

9 hours required from the following:

ECON 1310 Modern Political Economy
ECON 2320 Principles of Economics
GEOG 1305 Principles of Geography
HIST 1310 World History I
HIST 1320 World History II
PSCI 1330 US Government and Politics
PSCI 2300 International Relations
PSYC 1300 General Psychology
SOC 1300 Principles of Sociology
SOC 1302 Anthropology

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, USA.

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 US $30.00 drawn from a US bank or an international money order.

3. 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 2.75 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 O-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 US must submit a "Transfer Notification" form completed by the student and the foreign student advisor 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, PO Box 6151, Princeton, NJ 08541-6151, USA, requesting a bulletin of information and registration form.

5. Verification of financial support proving the availability of $11,500.00 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, USA, fax (501)450-5095 or e-mail oip@mail.uca.edu.

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

1. Application for Admission.
2. Non-refundable application fee of US $30.00 drawn from a US 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 US $30.00 drawn from a US 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

Applicants for whom English is not the first language must provide evidence of English language proficiency before beginning regular academic courses at the university. This includes immigrants, permanent residents, citizens, refugees, and international students. English language proficiency may be demonstrated by (1) presenting a minimum TOEFL score of 500 that is no more than two years old or (2) completing the advanced level of UCA's Intensive English Program with no individual course grade below a B.

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ACADEMIC RECORDS

Browse the document or jump directly to one of the listed sections.

- Grades and Quality Points
- Grade Forgiveness
- Grade Averaging
- Deferred Credit (Incomplete Grade)
- Withdrawal from the University
- Adjustments and Credentials Committee
- Transcripts
- Attendance
- Retention
- Graduation
- Academic Clemency

GRADES AND QUALITY POINTS

At the end of each semester or summer term, instructors report the final grades of all students in their classes to the Office of the Registrar. The grade of a student in any course is determined by the quality of work, the regularity of attendance, and the thoroughness of preparation.

Grades are expressed as letters, with equivalents as follows:

Letter	Grade	Grade Points

A	Excellent	4
B	Good	3
C	Average	2
D	Passing	1
F	Failure	0
W	Withdrawn	N/A
X	Deferred Credit	N/A
WP	Withdrawn Passing	N/A
WF	Withdrawn Failing	0
CR/NC	Credit/No Credit	N/A

(N/A - The hours attempted where W, X, CR/NC, and WP are involved are not used in computing the grade point average.)

Transitional Studies (UNIV 1300, 1301, and 1340) and Intensive English Program (IEP) courses are not used in computing the cumulative grade point average for earning any degree from the university.

All grades, once reported, remain a matter of permanent record. Any appeal or question concerning an assigned grade must be made within one calendar year of the time the grade was awarded, as outlined in the Student Handbook.

To obtain the qualitative index of a student's scholarship, the total number of grade points accumulated is divided by the total number of semester hours attempted to give the ratio known as the grade point average.

EXAMPLE: A student enrolls in four courses (fourteen credit hours) as follows:

Courses	CH*	Grade	CH x Grade	GP**
WRITING 1310	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 GP/14 CH = 2.86				
* CH = Credit Hours ** GP = Grade Points				

GRADE FORGIVENESS

A student may repeat in residence a maximum of four 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 four courses 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 maximum time allowed for removal of an X grade except in individual study courses and theses. If one year passes and the X has not been removed, the grade will be changed automatically to an F. An individual instructor may specify a shorter period for removal of an X. The instructor is required to state in writing the requirements for removing the grade of X at the time it is assigned. Failure of the student to meet these requirements may result in the X becoming an F. A student may not re-enroll in a course for which an X is in effect.

WITHDRAWAL FROM THE UNIVERSITY

A student may officially withdraw from the university according to the date published in the schedule of classes for that semester. If a student discontinues attendance of all classes without officially withdrawing from the university, grades of WF for non-attendance may be recorded.

ADJUSTMENTS AND CREDENTIALS COMMITTEE

A student is entitled to petition the University Adjustments and Credentials Committee for relief of an unfair hardship brought about by academic regulations when warranted by special circumstances. The petition form, obtainable in the Dean of Undergraduate Studies Office, should be completed with the assistance of the student's advisor. Completed forms, containing all necessary signatures, should be submitted to the Office of the Dean of Undergraduate Studies.

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:

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.

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. An unofficial transcript is not sent to other institutions, agencies, or individuals.

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. Transcripts may be released only after all financial obligations to the university are satisfied.

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 student's classification. A student is responsible for completing any missed work. A student is responsible for the dates and places of the required course examinations.

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 2.0. A student will be removed from academic probation whenever the semester grade point average equals or exceeds 2.0 and the cumulative grade point equals or exceeds 2.0.

A student on academic probation who does not achieve a 2.0 semester grade point average and does not meet the minimum cumulative average listed below will be academically suspended.

Semester Hours Attempted	**Minimum Cumulative GPA**
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 academic semester and the summer session.
A second suspension will be for one calendar year.
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 academic suspension will not count toward a degree at the university.

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 2.0 or better is required in each of the major and minor fields and cumulatively. 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 must 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.

ACADEMIC CLEMENCY

In accordance with Act 1000 of 1991 (78th General Assembly, State of Arkansas) institutions of higher education may 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

Academic clemency 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

1. An individual must not have been enrolled in any 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.
2. An individual must 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

1. 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.
2. 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 Registrar.
3. 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

1. 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.
2. 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.

3. In regard to financial aid history, state and federal regulations take precedence over the institutional policy of academic clemency.
4. 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.
5. 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.
6. 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.

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GENERAL DEGREE REQUIREMENTS

UCA Undergraduate Bulletin, 1998–2000

Browse the document or jump directly to one of the listed sections.

- Total Credit Requirements
- Major and Minor
- Senior College Requirement
- Electives
- Residence
- Two Degrees
- Two Majors
- Assessment
- Commencement

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 minimum. Consult the departmental section of this catalog for specific degree requirements.

Major and Minor

A student must select a major and at least one minor field, subject to modifications noted for specific programs. Any course that is used to meet the requirements of a major may not be used also to meet minor requirement. Departmental faculty of the student's declared minor and major are advisors. Changes made to adjust the student's program within

the scope of the departmental major or minor requirements need only the approval of the department chair. Adjustments in the student's program beyond the scope of departmental requirements require the approval of the Adjustments and Credentials Committee. Major and minor requirements are set forth in the departmental sections of this catalog.

Many students, especially entering freshmen, may not have selected major and minor fields at the time of registration. Under these circumstances, students are assigned to general advisors. Such students will follow a general program of liberal studies until the major is determined.

Senior College Requirement

The credit offered for graduation should include at least forty semester hours of upper-division level (3000 and 4000) courses. Credit offered for graduation should include at least 12 semester hours of upper-division work in the major field and three hours of upper-division work in the minor field, in residence at the university.

Graduates of accredited, specialized, or professional health science programs, who possess a license in the field and who have had the equivalent of 40 hours of upper-division work will plan a program with the department involved. The plan should then be approved by the department chair and the college dean.

Electives

Elective courses may be selected by the student, upon the approval of the advisor, to complete the total credit requirements for graduation. These courses should be chosen carefully either for the purpose of correcting deficiencies in the student's educational background or to strengthen major and minor programs through study in related fields. An elective is defined as a course that does not constitute a part of the major or minor field and is not being used to satisfy a general education requirement. A maximum of four physical education activity hours may count toward graduation.

Residence

A student may not receive a degree without the completion of the equivalent of nine months of full-time work taken in residence at the university, during which time the student must have completed at least 30 semester hours of residence credit. Of the last 30 semester hours offered for graduation, at least 24 must be completed in residence at the university. This provision does not reduce the minimum residence requirement stated above. Not more than one-fourth of the credit offered for graduation may be work done in correspondence study. These requirements apply also to the candidate who seeks qualification for the associate degree.

The credit offered for a bachelor's degree must include at least 15 hours earned in residence in the major field and nine in the minor field.

Two Degrees

A second baccalaureate degree may be earned by a student, after the completion of all the requirements for a first degree and the satisfaction of the special requirements of the second degree. An associate degree may be earned by a student who has completed the requirements of a baccalaureate degree or another associate degree. Any second degree requires a minimum of 30 semester hours of residence credit following the awarding of the first degree.

Two Majors

A double major may be recorded when all departmental, ancillary, and unique requirements within one degree are met for both specified majors. If there is a generic relationship, work in the primary major is applicable to the secondary major. However, the number of additional credit hours required for the secondary major must exceed the number required for a minor in that same area.

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.

Assessment

A student is expected to participate in all assessment activities 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 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.

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FEES AND OTHER CHARGES

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- Fees and Other Charges
  - General Information
  - Matriculation Fees (Undergraduate)
- Withdrawals and Refunds
  - Withdrawals: Fall and Spring Semesters
  - Class Adjustments: Fall and Spring Semesters
  - Withdrawals: Summer Terms
  - Class Adjustments: Summer Terms
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- Other Policies and Charges
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  - Late Registration Fee
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  - Bowling Fees
  - Transcript Fees
  - Breakage Charges
  - Graduation Fees
  - Food Services
- Housing Costs
- Financial Aid
  - Scholarships
  - Loans
  - Pell Grants

Work-Study Program and Campus Jobs
Veterans Benefits

FEES AND OTHER CHARGES

Please note that all room and board costs contained herein are subject to change.

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 accomplishes 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

Please note that financial aid regulations govern those students who receive Title IV funds. For more information, please contact the Financial Aid Office, Bernard Hall, Room 201.

Withdrawals: Fall and Spring Semesters

Students who officially withdraw from the university may receive a 75% refund of paid fees if the withdrawal is completed by the fifth Friday of the semester. 100% refunds will not be made if the withdrawal takes place on or after the first day of scheduled classes.

Class Adjustments: Fall and Spring Semesters

Students who drop courses on or after the first day of scheduled classes and on or before the fifth 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. Refunds of less that $5.00 will not be granted.

Withdrawals: Summer Terms

Students who officially withdraw from the university during a summer term may receive a 75% refund of paid fees if the withdrawal is completed by the first Friday of the semester. 100% refunds will not be made if the withdrawal takes place on or after the first day of scheduled classes. (See the Financial Aid Office.)

Class Adjustments: Summer Terms

Students who drop courses 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. Refunds of less that $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.

OTHER POLICIES AND CHARGES

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 financial 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, furniture, or any other property of the university, 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

Housing costs are quoted in terms of room and board. All students that live in university residence halls are required to select one of the meal plans at the beginning of each semester. Housing costs and prices of various meal plans may be obtained from the Housing Office.

FINANCIAL AID

Several types of student financial aid are available to eligible students. Application forms may be secured from the Student Financial Aid Office located in Bernard Hall, Suite 201. The Director of Student Financial Aid and office personnel are available to assist students with student financial aid matters.

Scholarships

A limited number of scholarships are awarded to deserving and talented students. Academic, ROTC, band, orchestra, choral music, art, theatre, forensics, mass communication, honors, and athletic scholarships are available. Contact the appropriate office or department for information.

Loans

Perkins Student Loan and William D. Ford Direct Loans are available to qualified students. William D. Ford Direct Plus loans are available for parents of dependent undergraduate students.

Pell Grants

Applications for a Pell Grant may be obtained from high school counselors or the Director of Student Financial Aid.

Work-Study Program and Campus Jobs

These two programs provide part-time jobs for a limited number of students each year. Contact the Financial Aid Office for application procedures.

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 Office of the Registrar does provide enrollment certification information and application forms. However, it does not provide Veterans Administration counseling or advising.

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STUDENT SERVICES

UCA Undergraduate Bulletin, 1998–2000

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- Cooperative Education
- International Programs
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    - Study Abroad
    - Arkansas Model United Nations
- Office of Admissions
- Alumni Association
- Public Appearances Committee

STUDENT SERVICES

The Division of Student Services functions as a partner with the faculty in planning co-curricular activities that augment and supplement the regular classroom activities of the university. Students who have concerns regarding their personal or college life should seek the assistance of the professional staff of the division. Services coordinated within the Division of Student Services follow:

Career Services, Room 316, Bernard Hall
Cooperative Education, Room 107, Bernard Hall
Counseling Center, 3rd Floor, Bernard Hall
Disability Support Services, Room 206, Student Center
Greek Services, 207 Student Center
Health Promotion and Wellness, Room 002, Bernard Hall
Intramural Sports and Recreation, Room 109, Bernard Hall
Leadership Programs, Room 207, Student Center
Minority Services, Room 206, Student Center
Orientation, Room 207, Student Center
Recreation, Farris Center
Student Activities, Student Center
Student Discipline, Room 108, Bernard Hall
Student Health Services, Bernard Hall

Student Housing, Room 209, Bernard Hall
Student Organizations, Room 206, Student Center
Testing, Room 206, Student Center
Withdrawals, Room 330, 3rd Floor, Torreyson Library

Student Activities

The university provides students with opportunities for entertainment, participation, and leadership through a diverse program of activities including student government; intercollegiate and intramural athletics; Greek life; residence hall life; speech, theatre, and music; student publications; and departmental, religious, and honorary organizations.

Student Government Association

The University of Central Arkansas Student Government Association is a representative body comprised 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.

Honor Organizations

Alpha Chi
Alpha Psi Omega
Gamma Beta Phi
Honors Center Society
Kappa Delta Pi
Phi Alpha Theta
Phi Upsilon Omicron
Sigma Tau Delta
Sigma Theta Tau

Departmental Organizations

Alpha Kappa Psi
American Society of Interior Design
Arkansas Association of Family and Consumer Science
Art History Associates
Beta Alpha Psi
Biology Club
Central Arkansas Student Athletic Training
Computer Science Club
French Club (Le Cercle Francais)
Kappa Kappa Psi
Math Club
National Student Speech Language and Hearing
Phi Beta Lambda
Phi Mu Alpha Sinfonia
Physical Therapy Club
Pre-PT-PTA Club
Psi Chi
Psychology Club
Royal Rooters
Sociology Club
Society of Human Resource Management
Spanish Club
Student Council for Exceptional Children
Student Nurses Association
Student Occupational Therapy
Tau Beta Sigma
UCA Marketing Association
UCA Society of Professional Journalists
UCA Telecommunications Society

Activity/Service Organizations

ACCESS
Black Graduate Student Organization
Friday Forum
Griot Society
Indonesian Student Association

International Friends
Leadership Council
Malaysian Student Association
Non-Traditional Student Organization
PRISM
Residence Hall Councils
Royal Rooters
Student Activities Board
SPBC
Student Government Associated
Students Activated
UCA Blue-Gray Association
UCA Circle K Club
UCA Ebony Models
UCA Judo Club
UCA Wellness Club

Religious Organizations

Association of Baptist Students
Association of Muslim Students
Baptist Student Union
Catholic Campus Ministry
Chi Alpha Christian Fellowship
Church of Christ Student Union
COGIC Club
Missionary Baptist Student Fellowship
Student Mobilization (TNT)
True Holiness Interdenominational Christian Council

SOCIAL FRATERNITIES AND SORORITIES

Fraternities and sororities are considered an integral part of the social, residential, and educational program of the university, and their activities are well coordinated with the total life of the campus community. There is no pressure on students to affiliate, although all students who are interested and qualified are given the opportunity to join.

Fraternities

Alpha Kappa Lambda
Alpha Phi Alpha
Kappa Alpha Psi
Omega Psi Phi
Phi Beta Sigma
Phi Lambda Chi
Sigma Nu
Sigma Phi Epsilon
Sigma Tau Gamma

Sororities

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

Panhellenic Council

The Panhellenic Council is a governing body composed of two delegates from each of the National Panhellenic Conference sororities on campus. Panhellenic meets weekly to discuss issues of mutual concern. Panhellenic also coordinates sorority rush and plans major recruitment, philanthropic, social, and educational programs for the sorority community.

Interfraternity Council (IFC)

The IFC is a governing body composed of two representatives from each of the National Interfraternity Conference fraternities on campus. The IFC meets weekly to discuss issues of mutual concern. The IFC coordinates

fraternity rush and seeks to develop policies and plan activities to unite the fraternity community and enhance the social and educational experiences of members.

National Pan-Hellenic Council (NPHC)

The NPHC is a governing body composed of representatives from the historically African-American Greek organizations on campus. NPHC meets bi-weekly to discuss issues of mutual concern. NPHC also coordinates an annual calendar for the social events and theme weeks of the eight NPHC fraternities and sororities.

STUDENT CENTER

The Student Center provides a variety of services and conveniences to the university community. The Student Center houses the UCA bookstore, post office, and an information desk. Additional services available in the Student Center include automatic bank tellers, a bulletin board, game room, and public and campus telephones. Food services available in the Student Center include Grill Works, Gretel's, Pizza Hut, Chick-Fil-A, and Colombo Yogurt all located in the Food Court, and vending machines throughout the building. A coffee shop, The Java Joint, which features Starbuck's coffee, is located adjacent to the Food Court.

Organization Offices

Offices for *The Echo*, *The Scroll*, Student Development, and Student Activities Board are located in the Student Center. Space is also available in the Student Development Office for individual organizations including minority services, testing, and student government.

HOUSING

The university's residence halls provide students a convenient and comfortable place to live and study.

Freshman Residency Requirement

Freshmen are required to live on campus their first academic year, unless space is not available. 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. Freshmen may petition the Housing Exemption Committee to be released from the residency requirement. International freshmen are required to reside on campus their first calendar year at UCA; approval to move off campus must be granted by the Director of International Programs prior to any such action.

Housing Reservations

Rooms in university residence facilities should be reserved in advance. To reserve a room, students must send a housing application and a deposit of $100 to the Housing Office. The deposit will be fully refunded if the student decides not to occupy campus housing and notifies the Housing Office in writing by July 1, for contracts beginning the fall semester, or December 1, for contracts beginning the spring semester. After these dates and up to the day the residence halls open, students notifying the university in writing that they do not intend to occupy campus housing will receive a 50 percent refund of the deposit. Cancellations 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 forfeits 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. All

students living in a residence hall will be required to sign a residence hall lease and will be responsible for abiding by the terms of that lease.

Specific rules and regulations about university housing and areas of student conduct are provided in the *Student Handbook*. Copies of the handbook are available at the Dean of Students Office, 108 Bernard Hall.

INTRAMURAL SPORTS

The university offers men, women, and co-ed intramural programs. Contact Intramural Sports Office in 109 Bernard Hall for further details.

RECREATION

This popular program offers a wide variety of activities for both men and women. Just a few activities are: swimming, tennis, volleyball, and water aerobics. For more information contact the Recreation Office at 450-5712.

MINORITY SERVICES

The Office of Minority Services is available to provide resources and support services for UCA students. The office is located in room 206 Student Center.

STUDENT PUBLICATIONS

The Scroll, the university yearbook published each spring, contains a record, largely pictorial, of the university year. It provides opportunities for journalistic experience for students, in the editorial, business, and graphic arts fields.

The Echo, the weekly student newspaper, strives to provide complete campus news coverage. Excellent opportunities are provided students for practical experience in news gathering, news, and editorial writing, and business management, including circulation and advertising.

Both publications are members of the Arkansas College Publications Association. Both are located on the second floor of the Student Center.

The Vortex, an annual literary magazine, provides a forum for the publication of student creative writing and visual art.

STUDENT HEALTH SERVICES

The Dorothy A. Long Student Health Services, located in the basement of Bernard Hall, is under the direction of an advanced practice nurse practitioner and is staffed with registered nurses. The office hours are Monday through Friday 8:00 am to 4:45 pm when the university is open. After-hours health care is available from area health care providers. Emergency care is provided by the Conway EMS and is obtained by calling 911.

Arkansas State law Act 141 requires university and college students to provide proof of immunity to measles (rubeola) and German measles (rubella). The Student Health Services maintains student immunization records and monitors all enrolled students for compliance to this law.

The Student Health Services will notify students' instructors of an emergency absence from classes. Students confined to their residence hall room for illness may obtain meal slips for a cafeteria take out meal from the Student Health Services or their Hall Director.

STUDENT INSURANCE

The University of Central Arkansas provides information about student medical, dental, and hospitalization insurance. Because Student Health Services are necessarily limited, students may wish to consider the opportunity to secure protection against unexpected illness or injury expenses. Complete information may be obtained from Student Health Services.

COUNSELING AND TESTING CENTER

In addition to academic advisors, the university operates a Counseling and Testing Center in Bernard Hall. This center offers the following services:

1. individual and group therapy,
2. educational presentations and workshops, and
3. administration of national exams and required university exams.

CAREER SERVICES

The Career Services Center provides tools which assist the student in determining and implementing career and educational plans. Placement services are provided to assist with full-time and part-time employment in business, industry, government, and education. All students are requested to establish a placement file with the Career Services Center prior to graduation.

COOPERATIVE EDUCATION

The Office of Cooperative Education provides students with an opportunity to apply knowledge gained in the classroom to a professional settings. Students are placed in positions related to their academic program and receive credit and pay for their services. Interested students should submit a completed application in order to be included in the applicant pool.

INTERNATIONAL PROGRAMS

The Office of International Programs coordinates the university's international student affairs and acts as a liaison between international students, administrative and departmental offices of the university, agencies of the US government, and private organizations. It processes all international undergraduate applications for admission and notifies students of their admission status. It also provides English language training for students who need to increase their English proficiency. In addition, it supplies all interested UCA students with information on study abroad opportunities. The international programs office is located in Minton Hall.

International Student Services

International programs sponsors a variety of support services for international students. Advisory services are available regarding financial,

personal, educational and social issues, health insurance claims, and the requirements of the Immigration and Naturalization Service. Other services and programs include the following:

- A comprehensive orientation, which meets the unique needs of new international students, including airport pick-up, advising, testing, registration, banking, and shopping. The program is designed to complement the new student orientation offered by the university.
- The American Host Program, which introduces international students to area families so that they can experience American culture and family life in the US.
- The Speakers Bureau, which gives students the opportunity to share their culture through presentations to local schools and civic organizations.

Study Abroad

International programs offers information and support to any student interested in studying abroad. Students may choose to participate in programs sponsored by the university, programs sponsored by another US institution, or programs sponsored by a foreign institution. Information on all types of programs is available in the Study Abroad Library located in Minton Hall.

University departments or faculty interested in developing study abroad opportunities or exchanges can obtain assistance from the international programs staff with budgets, cost projections, exchange agreements, logistical arrangements, travel insurance, and other matters. Faculty should confer with department chairs and deans for clearance on all academic matters related to proposed study abroad programs.

UCA is a member of the Council for International Educational Exchange and the Institute of International Education. Both of these organizations provide significant support and resources for institutions and for students wishing to study abroad.

Arkansas Model United Nations

The Department of Geography, Political Science, and Sociology 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.

OFFICE OF ADMISSIONS

The Office of Admissions at the University of Central Arkansas serves as the contact for all new domestic undergraduate students to the university. Interested students are introduced to the university through university and career day activities, visits to various high schools and tours of the campus. The office also processes all domestic undergraduate applications for admission and notifies students of their admission status.

ALUMNI ASSOCIATION

All former students of the university are members of the Alumni Association. The Board of Directors of the Alumni Association plans 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 part of the commencement ceremony.

The *Alumni Contact*, a quarterly publication, is mailed to all alumni. This newsletter provides 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.

PUBLIC APPEARANCES COMMITTEE

The Public Appearances Committee, in conjunction with the Student Government Association, brings a variety of performing arts events to the campus. These events are intended to provide entertainment and to

enrich the cultural and educational atmosphere of the university community.

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CONDUCT OF STUDENTS

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Students of the University of Central Arkansas are expected to obey the laws of the land, the state of Arkansas, the 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, protect the university environment, and 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 undertakes to protect the university environment against acts of violence, destruction, and vandalism; and to provide a quality living and learning environment, one 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 the student services 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.

The university's regulations regarding academic misconduct can be found in the *UCA Student Handbook*. The Office of the Dean of Students can be contacted regarding specific questions.

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SEXUAL HARASSMENT POLICY

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- Procedures
  - Informal Investigation and Resolution
  - Formal Investigation and Resolution

Policy

Sexual harassment by any faculty member, staff member, or student is a violation of both law and university policy and will not be tolerated at the University of Central Arkansas. Sexual harassment of employees is prohibited under Section 703 of Title VII of the Civil Rights Act of 1964, and sexual harassment of students may constitute discrimination under Title IX of the Education Amendments of 1972.

The university considers sexual harassment a very serious issue and shall subject the offender to dismissal or other sanctions after compliance with procedural due process requirements.

Although sexual harassment most frequently occurs when there is an authority differential between the persons involved (e.g. faculty member and student, supervisor and staff member), it may also occur among persons of the same status (e.g. faculty and faculty, student and student, staff and staff). Both men and women may be victims of sexual harassment.

Sexual harassment is defined as unwelcome sexual advances, request for sexual favors, or other verbal or physical conduct of a sexual nature when:

- submission to such conduct is either explicit or implicitly made a condition of an individual's employment with the university or a factor in the educational program of a student; and/or
- submission to or rejection of such conduct by an individual is used as the basis for an employment or academic decision affecting such individual; and/or
- such conduct has the purpose or effect of unreasonably interfering with an individual's right to achieve an educational objective or to work in an environment free of intimidation, hostility, or threats stemming from acts or language of a sexual nature.

Sexual harassment may create a hostile, abusive, demeaning, offensive, or intimidating environment. It may be manifested by verbal and/or physical actions, including gestures and other symbolic conduct. Sexual harassment may not always be obvious and overt; it can also be subtle and covert. A person who consents to sexual advances may nevertheless be a victim of sexual harassment if those sexual advances were unwelcome. Previously welcomed advances may become unwelcome. Sexual harassment may also include slurs about one's gender and contrived work or study assignments or assignment of more onerous or unpleasant tasks predominately to employees or students of one gender.

Procedures

Employees or students of the university who believe they have been subjected to sexual harassment, as defined in the policy, are encouraged to use the following procedures to resolve their complaint.

The university will make every effort to adhere to the prescribed time frames of the informal and formal resolution processes. However, in the event that individuals involved are unavailable or of other unanticipated occurrences, the Affirmative Action Officer, with the concurrence of the President, may adjust the time frames. Any changes will be immediately communicated to the complainant and respondent by the Affirmative

Action Officer and where possible their needs will be accommodated.

Informal Investigation and Resolution

1. Individuals who believe they have been subjected to sexual harassment (complainant) should report the incident within a reasonable period of time to (1) their immediate supervisor or academic dean or to a departmental supervisor higher up in the line of responsibility, or (2) the University Affirmative Action Officer, the University Legal Counsel, or the University Director of Human Resources.

   The person to whom the complaint is made shall immediately contact the University Affirmative Action Officer, the University Legal Counsel, or the University Director of Human Resources. One or more of those administrators will determine the course of the informal investigation and resolution. The department involved and/or the supervisor to whom the complaint was made may be asked to assist in the informal investigation.
2. If, following investigation, an informal resolution of the matter which is satisfactory to the complainant, the person against whom the complaint is made (respondent) and the university (represented by the Affirmative Action Officer, the Legal Counsel, or Human Resources) is reached, it shall be considered closed and all parties involved shall be so advised in writing by the Affirmative Action Officer, Legal Counsel, or Director of Human Resources. If a satisfactory resolution has not been reached within ten working days from the date of the complaint, the complainant or the university may initiate formal complaint/investigation procedures. The complainant and the respondent will be notified that efforts to resolve the complaint informally have been unsuccessful. The complainant will be provided a copy of the procedures for pursuing a formal investigation and resolution.

Formal Investigation and Resolution

1. If the sexual harassment complaint has not been resolved through

informal procedures and the complainant or the university wish to pursue the matter further, a written complaint must be filed. The written complaint must be filed with the University Affirmative Action Officer, the University Legal Counsel, or the University Director of Human Resources within 20 working days of the termination of the informal procedures. The complainant shall be entitled to have, at the individual's own expense, an advisor, who may or may not be an attorney, to assist in preparing the formal complaint.

2. The affirmative action officer will notify the respondent of the sexual harassment complaint, provide the respondent a copy of the complaint and advise the respondent and complainant about the procedures for a formal investigation and hearing within three working days of receipt of the formal written complaint. The respondent will then be given five working days to respond in writing to the complaint.
3. Within 10 working days of receipt of the formal written complaint the affirmative action officer shall refer the complaint and the respondent's response, if any, to the Sexual Harassment Complaint Committee.
4. Within five working days of the committee's receipt of the complaint, the committee will meet separately with the complainant and the respondent. The purpose of these preliminary meetings is to inform the committee about the case, to ensure the complainant and respondent are fully aware of their procedural rights and to decide upon the nature of the investigation. Throughout the proceedings the respondent and complainant shall have the right to be accompanied by an advisor, who may or may not be an attorney. Attorneys will not be provided at university expense. The University Legal Counsel may be present but shall act only in an advisory capacity to the committee.
5. Within five working days of the conclusion of the committee's preliminary meetings with the complainant and respondent, the Sexual Harassment Complaint Committee will hold a formal meeting on the matter. Strict judicial rules of evidence shall not be applied. The committee members may receive any evidence they consider to be relevant.
6. The respondent and complainant, and their advisors, shall have the

right to be present at any time testimony is presented and to be provided copies of all evidence considered by the committee. Neither the respondent nor complainant shall have the right to cross examine witnesses. Advisors shall not have the right to address or question committee members or witnesses.

7. A written record of the minutes of the proceedings and recommendations of the committee shall be presented to the President within five working days of the committee's final meeting.
8. A copy of the minutes and recommendations of the committee shall be presented to both the complainant and the respondent at the time they are forwarded to the President.
9. Within 10 working days of receipt of the committee's recommendation, the President shall make a final decision concerning what action if any, to take including disciplinary action after considering the recommendation of the committee, and will notify the complainant and respondent.

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CAMPUS SECURITY AND TRAFFIC REGULATIONS

Browse the document or jump directly to one of the listed sections.

- University Police
- How to Summon Assistance
- Annual Campus Security Report
- Office of Parking and Traffic Services

University Police (UCAPD)

The UCAPD is the jurisdictional police agency for the University of Central Arkansas and is charged with the enforcement of all state and local laws and university regulations. University police officers are law enforcement officers of the State of Arkansas and are professionally trained and certified by the Arkansas Commission on Law Enforcement Standards and Training. The department employs 19 full-time police officers who have full investigative and arrest authority on the campus and contiguous streets and highways pursuant to ACA 25-17-305. The department's 24-hour 911 Communications Center and the Parking and Traffic Services Office employs additional support personnel who provide public safety services to the academic community.

The UCAPD is committed to providing quality law enforcement and public safety services to students, faculty, staff, and visitors. The department maintains and promotes respect for the individual rights and dignity of all persons and is dedicated to excellence in all of the services that are offered on a year-round basis. University police are trained to understand

the needs of students, faculty, and staff. Police officers, equipped with two-way radios, patrol the campus by vehicle, foot, and bicycle. Preventative patrols are also provided by campus service officers who are student aids and provide certain security functions.

Arkansas law permits university police officers to stop individuals suspected of criminal activity and question their identity, business, and destination. In addition, university police may make arrests or issue a summons for traffic or criminal violations which are referred to the city or county prosecutor. All members of the campus community are encouraged to cooperate fully with police personnel for the safety and convenience of everyone involved. Resistance to detention or arrest may result in a more serious charge.

The UCAPD employs the philosophy of community policing within its jurisdiction. This philosophy is based upon the concept that police officers and the campus community as a whole can work together in creative ways to maintain the excellent record of safety on campus and to develop methods to prevent crime. The primary focus of community policing is to foster positive interactions between the police, students, and staff. Comments or suggestions are always welcome by contacting UCAPD at 450-3111.

How to Summon Assistance

The UCAPD is located on campus between State and Hughes Hall. Persons needing EMERGENCY assistance at any time may call 8911 from campus office telephones or 911 from residence hall telephones. General assistance can be obtained by calling 450-3111. Assistance can also be summoned by pushing the call button on any blue light emergency telephone located throughout the campus. The dispatcher instantly knows the location of the caller and will ask what type of assistance is needed. The UCAPD lobby is open 24-hours a day. The on-duty dispatcher is available to assist at the lobby window. A local access telephone and a library of free crime prevention, safety, and health brochures are also available in the lobby.

Annual Campus Security Report

The University of Central Arkansas, in compliance with the Crime Awareness and Campus Security Act of 1990, publishes and distributes an annual report of campus crime statistics and security policies. This report is printed in the Student Handbook and is available from the University Police Department upon request.

Office of Parking and Traffic Services

Students may operate and park automobiles on the UCA campus in accordance with the University's Parking and Traffic Regulations once they have obtained a student parking permit. Detailed copies of these regulations are available at the University Police Department's Office of Parking and Traffic Services and at the time of purchase of a parking permit.

A vehicle parked on campus must display a current UCA parking permit and must be parked in accordance with regulations. The UCAPD maintains the Motorist Assistance Program; motorists who need assistance because of a disabled vehicle or who are locked out of their vehicle are encouraged to call 450-3111.

Vehicles not displaying a proper parking permit and those found parked in violation of regulations may be cited or towed and impounded. Violators must pay all citation fines and tow, impound, and storage charges. A traffic or parking citation or any other communication from a university police officer is an official university notice. The recipient who does not respond to such a communication is subject to disciplinary action.

Motorcycles and motorbikes must be parked in areas designated for motorcycle parking. Skateboarding or rollerblading is not allowed near buildings or when such activity creates a safety hazard.

The University Police Parking and Traffic Services Office is open from 8:00 am - 4:00 pm, Monday through Friday.

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GRADUATE PROGRAMS AND DEGREES

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- Dean
- Programs and Degrees
- Concurrent Graduate/Undergraduate Enrollment

DEAN

Graduate Dean: Dr. Elaine McNiece

PROGRAMS AND DEGREES

The University of Central Arkansas offers the following graduate degrees and programs:

- BUSINESS ADMINISTRATION (MBA)
- MASTER OF SCIENCE IN EDUCATION (MSE)
  - Business/Marketing Education
  - Early Childhood Education
  - Elementary Education
  - Elementary Education (emphasis in gifted)
  - Elementary School Leadership
  - Reading
  - Secondary School Leadership
  - Spanish
  - Special Education
    - Early Childhood Special Education

Mildly Handicapped K-12
Moderately/Profoundly Handicapped K-12
Seriously/Emotionally Disturbed K-12

- MASTER OF SCIENCE (MS)
  - Biology
  - Community Service Counseling
  - Counseling Psychology
  - Elementary School Counseling
  - Family and Consumer Sciences
  - Health Education
  - Kinesiology
  - Library Media
  - Occupational Therapy
  - Physical Therapy
  - School Psychology
  - Secondary School Counseling
  - Speech-Language Pathology
  - Student Personnel Services in Higher Education
- MASTER OF ARTS (MA)
  - English
  - History
  - Mathematics Education
- MASTER OF SCIENCE IN NURSING (MSN)
- MASTER OF MUSIC (MM)
  - Concentration Areas:
  - Choral Conducting
  - Instrumental Conducting
  - Music Education
  - Performance
  - Theory
- SPECIALIST IN EDUCATION (EDS)
  - Educational Leadership

For more information about graduate programs and financial assistance for graduate studies, contact the Graduate School: (501) 450-3124.

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.

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INTERNATIONAL PROGRAMS

UCA Undergraduate Bulletin, 1998–2000

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- Purpose
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    - Placement
    - Eligibility for Concurrent University Courses
    - IEP Completion and Admission to an Undergraduate Degree Program
    - Facilities and Services
    - Room and Board
- Application Process
- Further Information
- Intensive English Program Courses

DIRECTOR

Director: Dr. Brian V. Bolter, 450-3445

INTENSIVE ENGLISH PROGRAM

IEP Director: Ms. Knipscheer
Instructors: Ms. Baker, Ms. Deering, Dr. Kinsey, Ms. Phillips, Ms. Schaefer, Ms. Vega

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 US 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 and are conditionally admitted to UCA may be eligible to take one regular concurrent university course while taking IEP classes; students who have earned a TOEFL score of 475-499 and are conditionally admitted to UCA 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 US $30.00 drawn from a US 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 US of $30.00 drawn from a US bank, or an international money order.
3. If applicant is also applying for admission 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 applicable, a Form I-20 and a letter of conditional admission to the university.

FURTHER INFORMATION

For more information regarding the Intensive English Program, contact:

Intensive English Program Director
International Programs
109 South Minton Hall
University of Central Arkansas
Conway, AR 72035 USA
Telephone: (501) 450-3445
FAX: (501) 450-5095

INTENSIVE ENGLISH PROGRAM COURSES

0310 **LISTENING AND SPEAKING** Focuses on the sound system of English, listening discrimination, and aural comprehension in various situations, including academic class work. Practices listening and comprehensive notetaking strategies. Emphasizes pronunciation, intonation, conversational techniques, oral discussions, and informal and formal speeches. Meets 5 hours per week. Three Levels. Prerequisite: admission to Intensive English Program.

0320 **GRAMMAR** Focuses on irregular and regular verbs, appropriate use of tenses, complex and compound sentence formation, and parallelism and complementation in the context of speaking and writing. Meets 5 hours per week. Three Levels. Prerequisite: admission to Intensive English Program.

0330 **READING** Focuses on content comprehension, including recognition and analysis of main and supporting ideas, and vocabulary development. Highlights reading techniques, including skimming and scanning. Introduces differentiating fact from fiction, inferring meaning, and recognizing point of view, tone, symbolism, and abstractions. Emphasizes materials of all lengths, including technical and non-technical subjects. Meets 5 hours per week. Three Levels. Prerequisite: admission to Intensive English Program.

0340 **WRITING** Focuses on development of simple sentence, paragraph, multi-paragraph and multi-page 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. Three Levels. Prerequisite: admission to Intensive English Program.

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DIVISION OF UNDERGRADUATE STUDIES

UCA Undergraduate Bulletin, 1998–2000

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- Personnel
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- Academic Advisors
- University Center for Academic Success
- Courses

PERSONNEL

Professor and Dean: Dr. Sally A. Roden, 450-5074
Professional Staff: Dr. Cone, Mr. Antley, Ms. Stone, Ms. Tio
Advisors: Mr. Bryant, Mr. Rasnick, Mr. Utley

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:

- Professional Academic Advising
- Academic Support Services
- University Studies Course
- Residential College

Academic support services are offered through the University Center for Academic Success where students can receive academic assistance both in the content area and in the improvement of study skills. Professional academic advising assists students in academic planning and in locating resources to meet individual educational needs. The University Studies courses are one-hour, one day per week classes in which students identify and study academic success strategies and learn about academic support services available. Students are given an opportunity to form living, learning communities in the Hughes Residential College.

ACADEMIC ADVISORS

Academic advisors offer students advisement related to registration, academic programs, and academic planning. They advise all incoming freshman students, undeclared students, transient students, and undeclared transfer students.

UNIVERSITY CENTER FOR ACADEMIC SUCCESS

The computer tutorials aid students in a wide variety of academic disciplines. 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.

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.

1101 **FRESHMAN SEMINAR** Encourage students to develop the qualities of diligence, integrity, and responsibility within the framework of academic disciplines. Effective all admitted entering freshmen.

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DIVISION OF CONTINUING EDUCATION

UCA Undergraduate Bulletin, 1998–2000

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- General Information
- Activities
- Transitional Courses

DIRECTOR

Director: Dr. Linda Beene, 450-3118

GENERAL INFORMATION

The Division of Continuing Education is the special administrative unit that responds to the university's public service goal. The division's mission is to provide quality lifelong learning opportunities through credit courses, non-credit programs, and support services that address market needs. Our vision, as a team of innovative people dedicated to customer satisfaction, is to unite faculty, state-of-the-art technology, and facilities to deliver comprehensive lifelong learning programs through a world-wide educational network. The Division of Continuing Education offers the following programs:

- Academic credit through on- and off-campus classes and correspondence courses;
- Non-credit activities through conferences, special projects, summer camps, and travel seminars;

- Business and industry assistance through organizational assessment, training programs, seminars, and contract projects;
- Community and state assistance through the Community Development Institute and special projects.

ACTIVITIES OF THE DIVISION OF CONTINUING EDUCATION

Academic Programs. The Division of Continuing Education provides opportunities for academic credit through off-campus courses in cities throughout Arkansas, some of which are transmitted through distance education, and on-campus credit courses during weekends and in the evenings. Correspondence courses are available for non-residence undergraduate credit.

Community Education Programs. Community Education consists of non-credit personal growth classes and leisure activities. These programs may be delivered through short courses, travel seminars, or media-based learning.

Youth Programs. Programs for Arkansas youth are offered during the summer months through camps designed to enhance educational experiences. These consist of athletic and academic enrichment programs.

Corporate Relations: Developing skills for sustaining Arkansas' economic base is the core of the Corporate Relations program at UCA. Programs include non-credit management, supervisory, and workplace skills training. Organizational assessment and support for implementing employee involvement and quality management programs are also offered.

Conferences: Many different types of in-service programs and conferences are designed as non-credit offerings in enrichment and professional development for individuals of all ages. Continuing Education Units (CEU's) may be awarded within certain criteria. On- and-off-campus management of conferences for faculty, professional organizations, and business customers is available. A planned conference center is schedule

to open in 1999.

TRANSITIONAL COURSES

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.

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- Office of the President
- Provost
- Administrative Services
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- Student Services

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ROSTER: FACULTY AND PROFESSIONAL LIBRARIANS

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A

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DAVID DUSSOURD Associate Professor of Biology, PhD Cornell University, BA Dartmouth College

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