

Undergraduate  
Bulletin 2002-2004

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Biennial Catalog Issue, 2002-2004, Volume LXXXI

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[3.05.02.01](#) The C93 672.063w(3.-)(2 TcR4.0002 Tc4871 Tm0 0352 Tw((Geioga)47(apTh)51(y)-0.6( Prh)51((gra5(mo)-7.4( ))TJ0 -5.0266 5.0266 0129227754 695.8242 Tm0 0 1 scn0.0002 Tc0 Tw(3.05.32.01)TJET191.6793 695.824 m191.6793 672.014 ISBT0 -5.0266 5.0266 0129227754 672.0138 Tm0 0 0 scn0

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**UCA Undergraduate Bulletin 2002-2004**

Undergraduate Bulletin  
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**Undergraduate Bulletin Course List by Prefix**

To make course descriptions more accessible, the following list--arranged alphabetically by course prefix--offers direct hyperlinking to course descriptions in this bulletin.

Prefix	Link	Course Area (program/department)
ACCT	<a href="#">3.01.02.01</a>	Accounting
ART	<a href="#">3.03.02.01, sec. 2</a>	Art - Art Education
ART	<a href="#">3.03.02.01, sec. 3</a>	Art - Humanities and Art History
ART	<a href="#">3.03.02.01, sec. 1</a>	Art - Studio Art
BIOL		

HONC	<a href="#">3.09.02.01_sec.1</a>	the Honors Program - Honors Core
HONC	<a href="#">3.09.02.01_sec.2</a>	the Honors Program - Minor in Honors Interdisciplinary Studies
IEP	<a href="#">3.05.05.01</a>	Intensive English Program
INDS	<a href="#">3.09.04.01</a>	Interdisciplinary Studies
INSU	<a href="#">3.01.03.03</a>	nsur





## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### WHAT'S NEW

This file records additions and changes to the UCA *Undergraduate Bulletin* 2002-2004. Minor editorial corrections are not noted here, but individual files indicate a "Last Modified" date. Parenthetical initials indicate the responsible person. Contact the provost's office (450-3126) if you have questions.

#### July 2002

2002-2004 Undergraduate Bulletin posted on-line ([jag/2002-07-01](#))

Uploaded PDF and added [Printing the Bulletin](#) page ([print.html](#))  
([jag/2002-07-02](#))

#### September 2002

Corrected the list of course options for the Minor in Marketing  
([30104.html](#)) ([jag/2002-09-02](#))

Updated Social Sciences section of the State Minimum Core  
([204.html](#)) ([jag/2002-09-02](#))

#### October 2002

Corrected course number in PSCI course list--PSCI 4375 (formerly 3365)--and updated GPS chair ([30507.html](#), [30503.html](#)) ([jag/2002-10-09](#))

Corrected omission in the BMED course list ([30203.html](#))  
([jag/2002-10-09](#))

Corrected omission in the HIST course list ([30504.html](#)), HIST 4318 ([jag/2002-10-22](#))

#### November 2002

Corrections and additions to faculty roster [402.html](#) and to faculty lists in CFAC departments: [30303.html](#), [30304.html](#), [30305.html](#) ([jag/2002-11-13](#))

#### December 2002

Revisions to Military Science document (now Military Science and Leadership), including course numbering and descriptions:  
[30406.html](#) ([jag/2002-12-02](#))

Added Quantitative Methods (QMT) course descriptions to College of Business Administration: [3010202.html](#)

May 2003



## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
Document Number 1.01

### **BULLETIN PROVISIONS**

The University of Central Arkansas anticipates that students entering the university during the effective years of this bulletin will be governed by the graduation requirements and other policies and procedures set forth herein. However, the university reserves the right to change such requirements, policies, or procedures in accordance with its established procedures for decision making, which exist to protect the academic integrity of its programs and the individual student's interests and welfare. A student may opt for a subsequent bulletin but must meet all of the requirements specified by that bulletin. After initial enrollment, a student who returns to the university after any period of non-enrollment of 12 months or more must complete the requirements of the bulletin in effect at the time of re-enrollment.

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**UCA UNDERGRADUATE BULLETIN 2002-2004**

## UCA UNDERGRADUATE BULLETIN 2002-2004

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### INFORMATION DIRECTORY

UCA Main Telephone Number	(501) 450-5000
Accounting	450-3108
Admission, Graduate	450-3124
Admission, Undergraduate	450-3128
Advisor Assignment	450-5149
Alumni Office	450-3114
Art	450-3113
Biology	450-3146
Bookstore	450-3166
Bookstore (Textbooks)	450-3414
Career Services Center	450-3134
Cashier Business Office	450-3187
Change of Address	450-5200
Change of Major	450-3125
Channel 6	450-3402
Chemistry	450-3152
Child Study Center	450-3356
Computer Science	450-3401
Computer Services Help Desk	450-3107

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Payroll	450-5011
Payroll (student)	450-3140
Philosophy and Religion	450-3179
Physical Therapy	450-3611
Physics and Astronomy	450-5900
Police	450-3111
Post Office	450-3115
President	450-3170
Professional Field Services	450-3131
Provost	450-3126
Psychology and Counseling	450-3193
Public Appearances	450-3265
Registrar	450-5200
Sociology	450-3178
Sororities	450-3137
Speech-Language Pathology	

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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# UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 2.03

## ACADEMIC PROGRAM AND ORGANIZATION

### [1] College of Business Administration

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- Accounting - BBA
- Business - AAS
- Business Administration - BBA, MBA
- Economics - BA, BBA, BS
- Economics, International Trade Emphasis - BA, BBA
- Finance - BBA
- Management Information Systems - BBA
- Insurance and Risk Management - BBA
- International Business - IMBA
- Management - BBA
- Marketing - BBA

### [2] College of Education

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- Business and Marketing Education - BSE
- Childhood Education (P-4) - BSE
- Community Service Counseling - MS
- Counseling Psychology - MS
- Educational Leadership - EdS (through the Graduate School of Management, Leadership, and Administration)
- Early Childhood Education - MSE (under revision)
- School Leadership, Management, and Administration - MS (through the Graduate School of Management, Leadership, and Administration)
- Library Media and Information Technology - MS
- Middle Level Education (4-8) - BSE
- Psychology - BA, BS
- Reading - MSE
- School Counseling - MS
- School Psychology - MS, PhD
- Special Education - MSE
  - Collaborative Instructional Specialist, Ages 0-8
  - Collaborative Instructional Specialist, Grades 4-12

### [3] College of Fine Arts and Communication

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- Art - BA, BFA
- Linguistics (minor)
- Mass Communication - BA, BS

- Music - BM, MM
- Speech - BA, BS
- Theatre - BA, BS
- Writing - BA

### [4] College of Health and Applied Sciences

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- Athletic Training - BS
- Child Care Management - AAS
- Family and Consumer Sciences - BS, MS
- Family and Consumer Sciences Education - BSE
- Gerontology (minor)
- Health Education - BS, MS
- Health Sciences - BS
- Health Systems - MS
- Interior Design - BS
- Kinesiology - BS, MS
- Kinesiology and Physical Education - BSE
- Medical Technology - BS
- Military Science (minor)
- Nuclear Medicine Technology - BS
- Nursing - BSN, MSN
- Nutrition/Dietetics - BS, MS
- Occupational Therapy - MS
- Physical Therapist Assisting - AAS
- Physical Therapy - MS, DPT, PhD
- Radiography - BS
- Speech-Language Pathology - BS, MS

### [5] College of Liberal Arts

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- English - BA, BSE, MA
- French - BA
- Geographic Information Science (minor)
- Geography - BA, BS
- German (minor)
- History - BA, BS, MA
- Philosophy - BA, BS
- Political Science - BA, BS
- Public Administration - BS
- Social Studies, History Emphasis - BSE
- Sociology - BA, BS
- Spanish - BA, MA

### [6] College of Natural Sciences and Mathematics

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- Biology - BS, MS







## **[8] Transfer of Credit**

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Students entering the university who have attended a college or university 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 on which it is earned. Normally only credits with A, B, and C grades are transferable. The University will, however, accept for transfer a maximum of six hours of credit with D grades, subject to the following conditions:

1. The transfer of credits with D grades is available only to first-time entering transfer students at the time of admission to the University.
2. Only the first six hours of credit with D grades will be considered.
3. Prerequisite rules shall apply to transfer of credits with D grades the same as they do to UCA credits.

**[10.2] Mathematics**

Three (3) hours required

MATH 1360 Mathematics for Society or  
MATH 1390 College Algebra or  
A Higher Level Mathematics Course

**[10.3] Science**

Eight (8) hours required

Four (4) hours from the following:

BIOL 1400 Biology for General Education  
BIOL 1440 Principles of Biology I

Four (4) hours from the following:

CHEM 1400 Chemistry in Society  
CHEM 1450 College Chemistry I  
CHEM 1402 Physiological Chemistry I  
PHYS 1400 Physical Science for General Education  
PHYS 1401 Descriptive Astronomy  
PHYS 1405 Applied Physics  
PHYS 1410 College Physics I  
PHYS 1441 University Physics I

**[10.4] Fine Arts/Humanities**

Six (6) hours required

Three (3) hours from the following:

ART 2300 Art Appreciation  
MUS 2300 Music Appreciation  
SPTA 2300 Theatre Appreciation (now THEA 2300)  
HONC 2320 Honors Core IV

Three (3) hours from the following:

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  
FYFS 1301 First Year Seminar: Studies in Humanities  
FYFS 1310 First Year Seminar: Studies in World Cultural Traditions

HONC 1310 Honors Core I  
HONC 2310 Honors Core III  
PHIL 1301 Philosophy for Living  
PHIL 2305 Critical Thinking  
PHIL 2325 Contemporary Moral Problems  
PHIL 2360 Gender, Race, and Class: Philosophical Issues  
RELG 1320 World Religions

**[10.5] Social Sciences**

Twelve (12) hours required

Three (3) hours from the following:

HIST 2301 American Nation I  
HIST 2302 American Nation II  
PSCI 1330 US Government and Politics

Three (3) hours from the following:

HIST 1310 World History I  
HIST 1320 World History II

Six (6) hours from the following:

ECON 1310 Modern Political Economy  
ECON 2310 Global Environment of Business  
GEOG 1305 Principles of Geography  
HONC 1320 Honors Core II  
PSCI 1330 US Government and Politics  
PSCI 2300 Introduction to International Relations  
PSYC 1300 General Psychology  
SOC 1300 Principles of Sociology  
SOC 1302 Anthropology

**[11] Admission of International Students**

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All inquiries about international admission 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.

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

1. Application for Undergraduate Admission.
2. Non-refundable application fee of US \$40.00 drawn from a US bank, or an international money order.
3. Original or certified copies of all secondary school, college, and university transcripts, with a certified English translation of each.

### **Freshman Applicants:**

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

- a. Secondary school cumulative grade point average of 2.75 or above on a 4.0 scale; or
- b. Rank in upper 40% of secondary school graduating class; or
- c. Composite ACT score of 19 or above; or
- d. Combined SAT score of 930 or above; or
- e. Five 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. For evaluation of university transfer credit, applicants must submit complete course descriptions or syllabi, in English. Transfer applicants should also submit copies of their current I-20, passport, and I-94 card.

4. A minimum Test of English as a Foreign Language (TOEFL) score of 500 on the paper-based test, or 173 on the computer-based test, less than two years old. Scores must be received directly from Educational Testing Service (ETS); UCA's school code is 6012. A TOEFL score is not required of applicants who will complete UCA's Intensive English Program before pursuing an undergraduate degree. Applicants can contact TOEFL, Educational Testing Service, P.O. Box 6151, Princeton, NJ 08541-6151, USA, requesting a bulletin of information.
5. Evidence of sufficient financial support in the form of a certified bank statement from the applicant's financial sponsor proving the availability of a minimum of \$12,900.00 for one full academic year (9 months) of study. Tuition and fees must be paid in full at the beginning of each semester or summer session.

Upon acceptance to the university, students will receive a letter of admission to UCA and a form I-20, as well as pre-arrival and orientation information.

### **[12] Admission of Students Whose First Language is not English**

All applicants to UCA whose first language is not English 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) submitting a minimum TOEFL score of 500 on the paper-based test, or 173 on the computer-based test, that is less than two years old or (2) completing the advanced level of UCA's Intensive English Program with no individual course grade below a B. Students who do not submit a TOEFL score before the last day of the published extended late registration period at the beginning of each semester or summer session will be required to participate in UCA's Intensive English Program.

Note: This section reflects changes in policy, effective in the spring semester 2003. The superseded policy is made available here for reference: [link to archived policy statement](#).

The change-of-course procedure requires approval by the student's advisor and the Office of the Registrar. No addition to a student's schedule may be made after the late registration period. The semester schedule of classes information outlines procedures and lists dates for course changes.

A student may officially withdraw from a course or the university so long as the withdrawal is within the dates specified in the academic calendar for the semester. If a student withdraws from a course or the university during the change-of-course period, no grade will be recorded.

After the change-of-course period, a withdrawal grade (W - Withdrawn, WP - Withdrawn Passing, or WF - Withdrawn Failing) will be recorded according to the deadlines specified in the academic calendar for the semester and, when applicable, at the discretion of the course instructor, so long as the course instructor has not already dropped the student for non-attendance.

If a student discontinues attendance without officially withdrawing, an instructor may drop the student for non-attendance and report a withdrawal grade, but must do so by the deadline date for a student to officially withdraw with a WP or WF specified in the academic calendar for the semester.

#### **[4] Auditing a Course**

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A student may audit a course with the permission of the instructor and the Office of 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.

#### **[5] Classification of Students**

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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

require written approval from the student's advisor, major Department Chair, and College Dean.

While enrolled for residence credit in the university, a student may carry guided study for non-resident credit, with the approval of the Office of the Registrar.

Residence credit is that which is earned through University of Central Arkansas courses, excluding guided study courses.

To be eligible for graduation with a baccalaureate degree, a student must complete a program of study that contains at least 124 semester hours of unduplicated credit



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.

#### **[10] Guided Study for Non-Residence Credit**

The university provides the opportunity for a person who cannot be in residence to do work by guided 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 student must be a high school graduate or possess the equivalent thereof to be eligible to enroll in guided study courses. High school students who obtain written approval from the appropriate administrative official at their high school may enroll concurrently in guided study courses. Students are not allowed, except by approval

Courses	CH*	Grade	CH x Grade	GP
WRITING 1310	3	A	(3 x 4)	12
HISTORY 2301	3			

## **[2] Grade Forgiveness**

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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. The grade forgiveness provision is applicable only to students who do not possess a baccalaureate degree.

## **[3] Grade Averaging**

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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.

## **[4] Deferred Credit (Incomplete Grade)**

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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.

## **[5] Adjustments and Credentials Committee**

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When warranted by special circumstances, a student is entitled to petition the University Adjustments and Credentials Committee for relief of an unfair hardship brought about by academic regulations. The petition form, obtainable in the Office of



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. The calculation of hours attempted will include grades A, B, C, D, F, and WF.

Semester Hours Attempted	Minimum Cumulative GPA
1 - 30	1.70
31 - 59	1.85
60 or more	2.00

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. Credit earned at another institution while on academic suspension will not transfer back to the university and will not count toward a degree at the university.

## **[9] Academic Clemency**

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. The policy of academic clemency applies to all students meeting the conditions below.

### **[9.1] Eligibility**

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

### **[9.2] Process**

- Application for academic clemency should be made at the time of conditional admission or readmission to the university. A conditionally admitted student who fails to meet the requirements for the granting of academic clemency will not be eligible to continue at the university.
- Application for academic clemency will be made through the Office of the Registrar. The application will be reviewed and the appropriate decision rendered by the Office of the Registrar.
- In order for academic clemency to be granted, a minimum 2.0 grade point average

and a minimum of 12 semester credit hours must be earned within one calendar year from the date of enrollment or re-enrollment.



Speech, Theatre, and Mass Communication  
World Languages, Literatures, and Cultures  
Writing and Rhetoric

## [2.2] Honors College

In addition to the Departmental Undergraduate Scholars Program, the university has an Honors College for outstanding students. A student chosen for the Honors Program during the freshman and sophomore years fulfills certain general education requirements in specially designed classes that are interdisciplinary, limited in enrollment, and taught by outstanding faculty. Following the sophomore year, students may enter the Honors College.

The Honors College curriculum consists of a fifteen-hour Honors Interdisciplinary Studies minor. At the center of the curriculum is undergraduate scholarship: the 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 invited from those students completing the Honors Program.

In addition to special instruction, there is an Honors Center which provides a special place for students to meet and share ideas, and four residence halls, Short/Denney, Wingo, and Baridon, for Honors College Students, housing nearly 350 residents, most in private rooms. The atmosphere and co-curricular programming in the residence halls reinforce the learning and friendships developed through the Honors College. Application to Honors College residence halls 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 Honors College residence halls based on space availability. See the [Honors College section](#) in this bulletin for more information.

## [3] Recognition Of UCA Scholars

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Students completing the Departmental Undergraduate Scholars Program or the Honors College minor in Interdisciplinary Studies will receive special recognition at graduation.

## [4] Scholastic Societies

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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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# UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 2.08

## GENERAL EDUCATION PROGRAM

Director: Dr. Peter J. Mehl, 450-3207

### [1] Purposes

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The purpose of the general education program at UCA is

- to enable students to have or to know where to locate 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.

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- to be able to use strategies for invention and arrangement;
- to be able to incorporate the elements of good writing (vividness, development, organization, voice) into their own work;
- to be able to use writing to ask questions--that is, understand that writing is exploratory;
- to be able to use various forms (e.g., narrative, description, dialogue) to help articulate

Mathematics provides an approach to problem solving through logic and reasoning. It is used to identify, analyze, generalize, and communicate quantitative relationships.

Objectives for students completing the mathematics requirement are

- to know the fundamental notation and rules of a mathematical system;
- to be able to recognize problems to which mathematics can be applied;
- to be able to translate problems into mathematical form;
- to be able to construct and interpret visual representations of mathematical relationships;
- to construct logical and valid mathematical arguments;
- to determine mathematical relationships and solutions to problems;
- to clearly communicate mathematical relationships and solutions.

### **[2.7] Oral Communication**

The oral communication requirement helps students become effective communicators in a variety of settings. Students learn theories of effective communication and have ample opportunity to practice and improve their communication skills. Specifically, oral communication improves students' conversational, presentational and problem-solving skills. The study of oral communication improves students' ability to evaluate messages and employ critical thinking.

Objectives for students completing the oral communication requirement are

- to be able to communicate effectively in a variety of situations;
- to be able to listen effectively in a variety of situations;
- to be able to understand the influence of perception on communication;
- to be able to understand the nature and the use of language as a communication tool;
- to be able to think critically and evaluate a variety of messages.

### **[2.8] Natural Sciences**

The goal of the natural sciences is to better understand nature. The natural sciences systematically study natural phenomena. They do so by observing nature; by collecting and analyzing data; by forming, testing, and revising hypotheses; and by developing theories.

Objectives for students completing the natural sciences requirements are

- to understand what the realm of science is, and why science is important to their lives;
- to understand current principles and theories used to explain natural phenomena and to understand the role of theories in science;
- to do science as a process by conducting systematic observation, formulating and testing hypotheses, collecting and evaluating data, recognizing sources of error and uncertainty in experimental methods, and disseminating results;
- to develop an understanding of how human activity affects the natural environment; and

- to be able to make informed judgments about science-related topics and policies.

### **[2.9] Behavioral and Social Sciences**

The behavioral and social sciences are characterized by their application of both rational and empirical methods to the ways in which individuals, organizations, and societies are influenced by the environment as well as by personal and societal goals.

Objectives for students completing the behavioral and social sciences requirements are

- to be familiar with traditional and contemporary theories used to explain human behavior;
- to understand the empirical bases of the behavioral and social sciences;
- to be able to hypothesize causes and consequences of individual and social behavior;
- to recognize the effect of the environment on individuals and their interactions through social institutions and processes;
- to appreciate the interactions of individuals, institutions, events, space, and ideas in human society.

### **[2.10] World Cultural Traditions**

The world cultural traditions requirement introduces students to broadly significant elements of the cultural traditions of the world in their richness, diversity, and complexity. Each course used to fulfill this requirement entails comparison between several Western and non-Western cultures.

Objectives for students completing the world cultural traditions requirements are

- to better understand significant social, economic, and political developments in Western and non-Western history;
- to better understand significant cultural developments in Western and non-Western civilization (religion, art, philosophy, language, and literature);
- to be familiar with enduring expressions of human thought by study of some major texts of Western and non-Western cultures; and
- to better understand the interaction of Western and non-Western cultural traditions.

### **[3] General Education Skills Objectives**

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

#### **[3.1] Written Communication**

The overall objective is to develop students' written expression of thought and provide learners opportunities to explore ideas and to build connections between content areas. Written communication objectives for students completing the general education program are:

- Demonstrate the capacity to use various writing forms, (for example, in-class responses, journals, notebooks, reports, argumentative essays, research papers, and others), to achieve the specific purposes of the course.
- Exemplify ethical writing practices (i.e., avoid plagiarism, use of an appropriate citation style) in all forms of written communication.
- Demonstrate the capacity to effectively integrate multiple sources (primary and secondary, electronic and print) into the writing assignments of the course.
- Demonstrate improvements in written expression of thought by utilizing various techniques (such as peer review, multiple drafts or revision of assignments after receiving feedback).

### **[3.2] Oral Communication**

The overall objective is to develop students' oral communication skills by a variety of communication activities, from informal discussion to formal presentation. Oral communication objectives for students completing the general education program are:

- Clearly state questions, concerns, and ideas so that both the instructor and other students can understand the intent.
- Verbally condense larger amounts of information into concise, condensed analysis.
- Discuss among various size groups of students so as to be able to contribute without overpowering others.
- Give a clear, organized and accurate oral presentation of course material (for example, summaries of readings, research projects, analyses of arguments, persuasive speeches, and others).

### **[3.3] Critical Thinking**

The overall objective is to develop students' reasoning abilities by incorporating reasoning tasks and practices into general education courses. Critical thinking objectives for students completing the general education program are:

- Identify and state arguments.
- Identify the main point in a passage or essay and state the reasons that support a given choice.
- Identify assumptions and state the implications of an argument, passage, or theory.
- Critically evaluate arguments in terms of the strength of evidence and reasoning.
- Write an essay that comes to well-reasoned conclusions and solutions, supported by relevant evidence, and tested against relevant criteria and standards.

### **[3.4] Quantitative Analysis**

The overall objective is to provide students with an approach to problem solving through logic and reasoning. It is used to identify, analyze, generalize and communicate quantitative relationships. Quantitative analysis objectives for students completing the general education program are:

- Translate problems into mathematical form.
- Construct and interpret visual representations of mathematical relationships.

thinking focused." These sections will still fulfill designated area requirements, but will involve teaching and learning activities that challenge students to think their way through the subject matter of the course, and to become more proficient in the analysis, evaluation and development of arguments.

## **[6] General Education Course of Study**

In some cases degree programs have specified certain general education courses. Be sure to check with your major advisor when enrolling in general education courses.

### **[6.1] Writing**

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. Minimum grade of C required.

WRTG 1310 Introduction to College Writing  
WRTG 1320 Academic Writing  
HONC 1310 Honors Core I  
HONC 1320 Honors Core II

### **[6.2] Fine Arts**

3 hours minimum required.

ART 2300 Art Appreciation  
MUS 2300 Music Appreciation  
THEA 2300 Theatre Appreciation  
HONC 2320 Honors Core IV

### **[6.3] Health Studies**

3 hours minimum required.

H ED/KPED 1320 Concepts of Lifetime Health and Fitness

### **[6.4] American History and Government**

3 hours minimum required.

HIST 2301 American Nation I  
HIST 2302 American Nation II  
PSCI 1330 US Government and Politics

### **[6.5] Humanities**

3 hours minimum required.

ENGL 2370 Introduction to Fiction  
ENGL 2380 Introduction to Poetry  
ENGL 2390 Introduction to Drama  
WLAN 2315 Cultural Studies  
FYFS 1301 First Year Seminar: Studies in Humanities  
PHIL 1301 Philosophy for Living  
PHIL 2305 Critical Thinking  
PHIL 2325 Contemporary Moral Problems  
PHIL 2360 Gender, Race, and Class: Philosophical Issues  
HONC 1310 Honors Core I  
HONC 2320 Honors Core III

### **[6.6] Mathematics**

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

MATH 1360 Mathematics in Society  
MATH 1390 College Algebra  
or, if required by the student's program of study,  
MATH 1392 Plane Trigonometry  
MATH 1395 Business Calculus  
MATH 1396 Calculus for the Life Sciences  
MATH 1580 Algebra and Trigonometry  
MATH 1591 Calculus I

### **[6.7] Oral Communication**

3 hours minimum required.

SPCH 1300 Basic Oral Communication

### **[6.8] Natural Sciences**

8 hours minimum required. Both courses must include laboratories.

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  
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

#### [6.9] Behavioral and Social Sciences

6 hours minimum required. Courses must be selected from two different disciplines.

ECON 1310 Modern Political Economy or  
ECON 2310 Global Environment of Business  
GEOG 1305 Principles of Geography  
PSCI 1330 US Government and Politics or  
PSCI 2300 International Relations  
PSYC 1300 General Psychology  
SOC 1300 Principles of Sociology or  
SOC 1302 Anthropology  
HONC 1320 Honors Core II  
HONC 2310 Honors Core III

#### [6.10] 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 2305 World Literature I  
ENGL 2306 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 1330 World Philosophies  
RELG 1320 World Religions  
WLAN/WRTG 2350 World Languages  
WLAN 1310 Introduction to African and African-American Studies  
HONC 2310 Honors Core III

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

#### [7] First-Year Seminars in General Education

First-year seminars are general education topics courses. They are 3-credit-hour seminars limited to 20 first-year students and are intended to be reasoning-, writing-, and discussion-intensive courses that fulfill the general education requirement in humanities or world cultural traditions. (They are NOT extended freshman orientation classes.)

Any full-time faculty member (or team of two faculty members) can propose a first-year seminar. The objectives of a first-year seminar are parallel to the objectives of the general education program with an emphasis on the core skills of thinking, writing, and speaking. Accordingly, first-year seminars emphasize increasing knowledge through skills-based instruction and active student involvement.

A student cannot take more than one first-year seminar. No more than three seminars from any one general education area will be offered during a semester. First-year seminars do not count for major credit, unless allowed by the department. Students taking first-year seminars should be aware that these seminars may not meet requirements for certain professional degree programs. Consult your advisor.

**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.

Previous first-year seminars have included the following courses:

FYFS: Studies in Humanities: Social Justice in a Diverse Society

FYFS: Studies in Humanities: American Movies/American Mythology

FYFS: Studies in World Cultural Traditions: Cultural Identities of the French-Speaking World

FYFS: Studies in World Cultural Traditions: The World Comes to "America"

For more information contact the Director of General Education.

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# UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 2.09

## DEGREE REQUIREMENTS

### [1] Associate Degrees

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

#### [1.1] General Education Requirements for the Associate of Applied Science Degree

A minimum of 21-22 hours of general education courses is required for the Associate of Applied Science degree.

Specific general education requirements are American History or US Government (3 hours), WRTG 1310 (3 hours), WRTG 1320 (3 hours); MATH 1360 or Science (3 or 4 hours); Health and Physical Education (3 hours).

Six hours must be chosen from general education courses 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.

#### [1.2] General Education Requirements for the Associate of Arts Degree

Completion of the general education program (a minimum of 47 hours) is required for the Associate of Arts in General Studies degree.

### [2] Baccalaureate Degrees

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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.

#### [2.1] General Degree Requirements

##### [2.1.1] Total Credit Requirements

To be eligible for graduation with a baccalaureate degree, 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. Consult the departmental section of this catalog for specific degree requirements.

##### [2.1.2] 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.

##### [2.1.3] Senior College Requirement

The credit offered for graduation must include at least forty semester hours of upper-division level (3000 and 4000) courses, including at least 12 semester hours of upper-division work in the major field and three hours of upper-division work in the minor field.

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 must be approved by the department chair and the college dean.

##### [2.1.4] 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.

##### [2.1.5] 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.

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.

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.

**[2.1.6] Earning a Second Degree**

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 World Languages, Literatures, and Cultures.
- 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.

In cases of unusually thorough preparation, or in the case of international students, exemption may be sought from the Department of World Languages, Literatures, and Cultures.

#### **[2.2.2] 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.

#### **[2.2.3] Bachelor of Fine Arts**

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

#### **[2.2.4] Bachelor of Music**

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

#### **[2.2.5] 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 science courses (e.g., BIOL 1400, CHEM 1400, and PHYS 1400) cannot be used to satisfy the additional year of science.

#### **[2.2.6] Bachelor of Science in Nursing**

The requirements for the Bachelor of Science in Nursing are specified in the Department of Nursing section.

#### **[2.2.7] Bachelor of Science in Education**

Candidates for the BSE degree must complete a major in a certifiable teaching field. Requirements for admission to the teacher education program, admission to directed teaching, licensure, and other requirements are specified in the College of Education

section.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 2.10

### GRADUATE PROGRAMS AND DEGREES

**Graduate Dean:** Dr. Elaine McNiece

#### [1] Programs and Degrees

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For more information about graduate programs and financial assistance for graduate studies, contact the Graduate School at (501) 450-3124.

The University of Central Arkansas offers the following graduate degrees and programs.1207a45.34

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 2.11

### FEES AND FINANCIAL AID

#### [1] 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 general registration and other mandatory 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. It is the responsibility of a registered student to comply with the University's withdrawal policy if they do not plan to attend. 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.

#### [2] General Registration and Other Mandatory Fees (Undergraduate)

General registration and other mandatory fees are based on the number of hours in which a student is enrolled. Current fee schedules can be obtained in the Student Accounts Office, McCastlain Hall, Room 144.

#### [3] 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, McCastlain Hall, Suite 001.

##### **[3.1] Withdrawals: Fall and Spring Semesters**

Students who officially withdraw from the university may receive a 75% refund of general registration and other mandatory fees if the withdrawal is completed by the third Friday of the semester. Refunds of 100% will not be made if the withdrawal takes place on or after the first day of scheduled classes.

##### **[3.2] Class Adjustments: Fall and Spring Semesters**

Students who drop courses on or after the first day of scheduled classes and on or before the third 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 than \$5.00 will not be granted.

##### **[3.3] Withdrawals: Summer Terms**

Students who officially withdraw from the university during a summer term may receive a 75% refund of general registration and other mandatory fees if the withdrawal is completed by the first Friday of the semester. Refunds of 100% will not be made if the withdrawal takes place on or after the first day of scheduled classes.

##### **[3.4] 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 than \$5.00 will not be granted.

##### **[3.5] Room and Board Refunds**

If a student withdraws from housing before the end of the academic year, the room deposit will be forfeited. A housing lease buy-out option exists for students who wish to cancel their housing lease and move off campus after the school year begins. Any unused room and board will be refunded. No refund will be made because of absences.

#### [4] Other Policies and Charges

##### **[4.1] 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.

##### **[4.2] Identification Card**

Student identification cards are issued at the time of registration. A charge of \$10.00 will be made for replacement cards. The ID card is property of the University of Central Arkansas and must be returned upon request.

##### **[4.3] 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.

##### **[4.4] 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.

**[4.5] Applied Music Fees**

See Department of Music.

**[4.6] GSMLA Fee**

See the Graduate School of Management, Leadership, and Administration (GSMLA).

months after a student graduates, leaves school, or drops below half-time enrollment. At the end of the grace period, borrowers must begin repaying the loan.

#### **[5.2.2] William D. Ford Federal Direct Loans**

The Federal Direct Loan programs provide low interest loans to students who are attending UCA at least half-time. The federal government will provide the loan capital, and the school will execute the tasks previously performed by lenders. Private lenders do not participate in this program.

#### **[5.2.3] Federal Direct PLUS Loan (Parent Loans to Undergraduate Students)**

Federal Direct PLUS loans are not based on the income of the family. These loans allow creditworthy parents of undergraduate students to borrow up to the cost of education minus other aid.

#### **[5.3] Campus Employment**

UCA offers two work programs on campus. One is need-based Federal College Work Study; the other is non-need-based UCA Employment. Both programs require students to provide documentation of their eligibility to work including a copy of their Social Security card.

With the exception of a student qualifying for College Work Study, both work programs have the same hiring process and require the same paperwork for payroll.

#### **[5.4] 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 application material.

#### **[5.5] Veterans Benefits**

part-time, temporary, and summer employment in business, industry, government and education.

All students are encouraged to establish placement files with the Center before graduation. Placement records are maintained in the Center under the supervision of the director. These records are released to agencies, institutions, business firms, industrial organizations and individuals only after authorization of the student. Records are kept for a period of three years, after which they must be updated to be reactivated. For more information call 450-3134.

### **[1.3] Cooperative Education**

The Office of Cooperative Education, located in 209 Bernard Hall, helps UCA undergraduate students by providing paid skill-based employment off campus that is major-related or career-related and allows students the opportunity to earn academic credits toward graduation.

A Cooperative Education Program allows undergraduate students opportunities beyond the boundaries of the campus, enhancing self-confidence, and clarifying career direction. Students are given the opportunity to apply classroom theories to reality of the world of work *before* graduation. Students must meet minimum participation criteria to be eligible to participate in this program, and must provide a completed application to the program, a resume, and a cover letter. The Office of Cooperative Education will help identify opportunities for student employment and pass that information onto the applicant pool. Students submit resumes, interview, and are hired by external agencies in their academic field.

Cooperative Education is an unrivaled plan of education meshing classroom study with paid, planned, supervised work experience and academic credits toward graduation. For more information call 450-3250.

### **[1.4] Copy Center**

The UCA Copy Center, located in 007 Bernard Hall, provides a wide range of copying services for UCA departments. Services include one or two-sided copying, stapling, folding, cutting, collating, binding, reduction/enlargement, and padding. For more information call 450-5199.

### **[1.5] Counseling Center**

The Counseling Center, located on the third floor of Bernard Hall, provides students, faculty, and staff with a variety of services designed to facilitate personal development. All services are free and confidential in nature. Appointments can be made by calling 450-3138 or by coming by the Center Monday through Thursday, from 8:00 a.m. to 6:00 p.m., and Friday from 8:00 a.m. to 4:45 p.m. A detailed brochure describing the full scope of activities provided is available upon request or the Center can be accessed on the Internet at [www.uca.edu/division/student/counseling](http://www.uca.edu/division/student/counseling). The Counseling Center is accredited by the International Association of Counseling Services, Inc.

### **[1.6] Disability Support Services**





these programs is designed to assist students, particularly African-American students, in making the adjustment to college life and succeeding at UCA. In addition, the office offers multicultural training and workshops for students, faculty and staff. For more information, call 450-3135.

#### **[1.13] Student Center**

The Student Center is the community center of the university serving students, faculty, staff, alumni, and guests. It offers a variety of programs, activities, services, and facilities. In the basement are offices for Minority Students Services, Disability Support Services, and the studios for KCON and KUCA radio stations. On the first floor is a food court, Post Office, University Bookstore, Campus Information Center, lounges, and the Java Joint featuring Starbucks Coffee and Columbo Yogurt. On the second floor of the Student Center are meeting rooms, a ballroom, lounge space, and offices for the ECHO (school newspaper), SCROLL (school yearbook), Student Government Association, Greek Services, Student Organizations, Student Activities Board, Orientation, Student Center Administration, and Food Service Catering.

The Student Center also offers full service meeting and conference facilities for student organizations, university departments and conferences for the Central Arkansas area. The meeting rooms accommodate from ten to five hundred people, with portable staging, a variety of sound systems, and other services. For more information call 450-3235.

#### **[1.14] Student Health Services**

Student Health Services is located in the basement of Bernard Hall and is open from 8:00 a.m. to 4:30 p.m. Monday through Friday. Services available include: measles, mumps, rubella and tetanus/diphtheria immunizations, examination and treatment of minor illness or injury, blood pressure checks, tests for pregnancy, blood sugar, cholesterol, strep throat, urinalysis, mononucleosis, pulse oximetry, and peak flow measurements as ordered by the nurse practitioner. Immunizations for hepatitis-B and meningitis are available by appointment only. EKG, laceration repair, removal of simple lesions, IV re-hydration, IM injections of a limited formulary and prescriptions on Schedule III, IV, and V are provided upon the order of an Advanced Practice Nurse (Nurse Practitioner). Health education and counseling, loan of crutches, student health insurance forms, and assistance in obtaining appointments with health care providers outside the University are also available.

Student Health Services does not routinely provide emergency care outside the office. Emergency care is obtained by calling 911 or at Conway Regional Medical Center Emergency Room. Non-emergency care required outside office hours may be obtained from local health care providers or Health South. Students are responsible for all charges, prescriptions, and tests.

Student Health Services does not provide excuses for missed classes. Should a student be unable to attend classes for three (3) days or more, Student Health Services will notify the student's instructors of the expected absence (but not the specific reason) and possible return date. The instructor may then decide what work, if any, may be performed at a later time. Extended absences may be reported by calling Student Health Services (501-450-3136.) Students who are confined to their

residence hall room or require a temporary special diet due to illness may obtain meal slips from the residence hall director or Student Health Services.

**Proof of Immunization** - Arkansas state law (Act 141, 1987) requires proof of immunity against measles and rubella for all full-time and part-time students living on campus. UCA requires students to provide proof of immunization before registering for classes. Immunizations are available free of charge in Student Health Services.

#### **[1.15] Student Insurance**

An optional student insurance plan, provided through a private carrier, is made available to UCA students. The plan is designed to cover both accident and sickness. Benefits may be paid in addition to benefits from any other policy. Information and brochures can be obtained from Student Health Services, Bernard 001 (501 450-3416). The University of Central Arkansas is not responsible for any policy matters or contractual functions between students and the insurance carrier.

#### **[1.16] Student Organizations and Activities**

The student's first priority at UCA is to study so that he/she may succeed academically. However, there is much more to college life than just classes, homework, exams and grades. There are student organizations, special events, athletics events - you name it! Through these co-curricular activities, students develop leadership and communication skills; interact with other leaders, administrators and faculty; increase their awareness of available campus resources; and enhance their development while at college.

There are over ninety registered student organizations at UCA. A complete listing of currently recognized student organizations is available in the Activity Center, Student Center room 207.

##### **[1.16.1] Student Government Association**

The Student Government Association (SGA) is the representative voice for UCA students. SGA formulates policies, allocates student activity fees to student organizations and university departments, and works closely with administration on issues that directly affect UCA students. SGA meetings, held on Monday evenings in the Student Center, are open to the public. Elections for various offices are held in the fall and spring. SGA offices are located in the Student Center, room 207. Students are encouraged to get involved in SGA leadership positions and sponsored activities. For more information call 450-3195.

##### **[1.16.2] Student Activities Board**

The Student Activities Board (SAB) coordinates entertainment for the campus community. Comedians, movies, lectures, specialty acts, and big-name concerts are just a few of the activities brought to the campus. Most SAB events are funded through a student activity fee and are free to UCA students. The SAB office is located in the Student Center, room 206. For more information call 450-5873.

##### **[1.16.3]**

Fraternities and sororities are considered an integral part of campus life. Greek organizations provide social, recreational, service, and leadership opportunities for UCA students. UCA Greek organizations come under one of three governing bodies: Panhellenic Council, Interfraternity Council, and National Pan-Hellenic Council. The Greek Services Office is located in the Student Center, room 207. For more information call 450-3137.

**Panhellenic Council (NPC)** 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. NPC groups recognized at UCA include: Alpha Sigma Alpha, Alpha Sigma Tau, Delta Zeta, Sigma Kappa, and Sigma Sigma Sigma.

**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. IFC groups recognized at UCA include: Alpha Kappa Lambda, Phi Sigma Kappa, Pi Kappa Alpha, Sigma Nu, Sigma Phi Epsilon, and Sigma Tau Gamy Council (IFC)





be read broadly and are not designed to define non-academic misconduct in exhaustive terms.

#### **[5] Inherent Authority**

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

Specific university regulations related to student conduct can be found in the *UCA Student Handbook and Daily Planner*, distributed to students at the beginning of the academic year. The Office of Dean of Students, located in 108 Bernard Hall, can be contacted regarding specific questions. For more information call 450-3416.

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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### **SEXUAL HARASSMENT POLICY**

UCA's Sexual Harrassment Policy (Board Policy 511) is available in full on-line at <http://www.uca.edu/divisions/admin/board/policies/511.html>; it may also be found in the current UCA *Student Handbook*.

#### **[1] Introduction and Definitions**

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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

professional. In particular, due to the professional power differential between faculty and students, faculty are encouraged to remain professional in all relationships with students.

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 is not always 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. Examples of sexual harassment may include, but are not limited to, the following:

- non-sexual slurs about one's gender;
- contrived work or study assignments and assigning more onerous or unpleasant tasks predominately to employees or students of one gender;
- repeated unwanted touching, patting, or pinching;
- repeated inappropriate social invitations or requests for sexual favors;
- repeated unwanted discussions of sexual matters;

counsel may be present but sha



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.

### **[3] Annual Campus Security Report**

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act requires that institutions of higher education publicly disclose three years of campus crime statistics and basic security policies. This information is published annually by the University of Central Arkansas and is available in the UCA Student Handbook, in the publication Safety, Security, and Health available at the offices of the UCA Police Department and the Human Resources Department, and by accessing these web sites:

- Police Department: <http://www.uca.edu/ucapd> or
- Division of Student Services <http://www.uca.edu/divisions/student/handbook>

This information is also available upon request from the UCA Police Department at (501) 450-3111.

### **[4] 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

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.01.01

### COLLEGE OF BUSINESS ADMINISTRATION

Interim Dean and Associate Professor: Dr. Cantrell, 450-3106

#### [1] 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 that 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.

#### [2] 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.

#### [3] 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 may be administratively dropped from these courses. Both BBA majors and non-BBA majors are subject to prerequisite requirements. See the course descriptions for details.

#### [4] Administrative Structure

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

Department of Accounting (ACCT)  
Department of Economics, Finance, Insurance and Risk Management (EFIRM)  
Department of Marketing and Management (MM)  
Department of Management Information Systems (MIS)  
Small Business Advancement National Center  
Office of Information Technology  
Graduate Programs in Business

#### [5] Curricula

##### **[5.1] Associate of Applied Science in Business**

###### **[5.1.1] Requirements**

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 1395; ECON 1310, 2320, 2321; QMTH 2330; MGMT 2301, MIS 2343; ACCT 2310, 2311, 2321.

**Business electives.** Complete 4 courses or 12 hours of upper-division business

Insurance (EFIRM)  
Management (MM)  
Management Information Systems (MIS)  
Marketing (MM)

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.** The BBA degree does not require a minor. BBA degree students cannot minor in any field within the College of Business Administration.

**Second majors.** By completing the major requirements in a second major beyond the minimum 124 credit hour requirements and prior to earning the first degree, students can complete a second business (BBA) major. If students return after graduation to earn another BBA major, at least 30 semester hours must be taken.

**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 minimum 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 grade point average in all major courses taken as determined by the department.

### **[5.3] Transfer of Credit Policies**

In addition to university policies controlling the granting of credit for course work taken at other institutions, the following policies apply to transfer work applied to any undergraduate business program:

Transfer students who are considered for admission to pursue a major in the College of Business Administration must have completed 24 hours of the business foundation courses, which must include ACCT 2310, 2311, ECON 2320, 2321, and QMTH 2330 (or an equivalent course) and have a 2.0 (on a 4.0 scale) cumulative grade point average in the business foundation courses and his or her overall grade point average.

1. A student's records will be evaluated each semester to determine whether he/she should be admitted to a major. After receiving notification that a student has been admitted into his/her major, the student is expected to arrange for a degree check by his/her College of Business Administration advisor to ascertain remaining requirements.
2. A transferred course cannot carry more degree hours than are available in a similar University of Central Arkansas course. For example, a four-hour principles of accounting course transfers to UCA as three hours.
3. Credit earned at a two-year college cannot be used to meet upper-division requirements in the College of Business Administration.
4. Courses taken at any institution of higher education where the course content is remedial are not acceptable for degree credit.

Accounting.

**[6] Small Business and Entrepreneurship**

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**UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
Document Number 3.01.01.01

**COLLEGE OF BUSINESS ADMINISTRATION**

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
Document Number 3.01.02

### **ACCOUNTING**

**Chair and Professor:** Dr. Atkinson, 450-3108

**Professors:** Dr. Moore, Dr. Oxner

**Associate Professors:** Dr. Jensen, Dr. Spikes, Mr. Whitehead

**Assistant Professor:** Ms. Smith

**Instructors:** Ms. Clarkson, Ms. Young

**Visiting Professor:**

## UCA UNDERGRADUATE BULLETIN 2002-2004

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Document Number 3.01.02.01

### ACCOUNTING

Return to [Accounting](#)

#### [1] Courses in Accounting

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**2310 PRINCIPLES OF ACCOUNTING I** This is a required course for all business majors in the business foundation. The mode of instruction is lecture/problem solving. Fundamental principles of accounting measurement, evaluation, and recording. The preparation and composition of financial statements is examined. Prerequisite: sophomore status. Fall, spring, summer.

**2311 PRINCIPLES OF ACCOUNTING II** This is a required course for all business majors in the business foundation. The mode of instruction is lecture/problem solving. Continuation of the study of measurement, evaluation, and recording of business information as a basis for decision making. Evaluation of alternatives, profitability, and strategy are examined. Prerequisite: ACCT 2310. Fall, spring, summer.

**2321 LEGAL ENVIRONMENT OF BUSINESS I**



**4317 AUDITING** This is a required course in the accounting major. Mode of instruction is lecture/problem solving. Introduction to auditing theory, professional conduct, internal control, and audit procedures. Prerequisites: ACCT 3312 and 3320. Fall.

**4325 LEGAL ENVIRONMENT OF HEALTH CARE ADMINISTRATION** This is an elective course. Mode of instruction is lecture. A survey of legal problems confronted by health care professionals and how to recognize and deal with these problems. Prerequisite: Senior status. On demand.

current economic and financial problems as they arise in their personal and professional lives.

Exceptional students may be invited by the faculty to pursue recognition as a departmental undergraduate scholar. Students will write a paper under the direction of a faculty member. Successful completion of this program will allow the students to

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 2320, 2321, 4335, 4370, and 4380. 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 economics 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.

#### **[4] Courses in Economics (ECON)**

Follow this link for ECON course descriptions: [course link](#).

#### **[5] Courses in Finance (FINA)**

Follow this link for FINA course descriptions: [course link](#).

#### **[6] Courses in Insurance and Risk Management (INSU)**

Follow this link for INSU course descriptions: [course link](#).

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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### **ECONOMICS, FINANCE, AND INSURANCE AND RISK MANAGEMENT**

Return to [EFIRM](#)

#### **[1] Courses in Economics (ECON)**

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the unique characteristics and problems of the labor market. It considers both the demand (employer) and supply (employee) sides of the market to gain an understanding of the impacts of both government programs and private decision making. Specific topics include analysis of the labor force and labor supply, short- and long-run labor demand, wage determination, human capital theory, migration, labor-market discrimination, life-cycle patterns of work, and the effects of unions. The method of instruction is lecture/discussion. Prerequisite: ECON 2321. On demand.

**3330 ENVIRONMENTAL ECONOMICS** An elective course for economics majors. A lecture/discussion format will be used. There will be an application of economic tools and concepts to describe and explain the efficient use and preservation of natural resources and environmental quality. Topics covered include regulation, cost-benefit, sustainable development, global comparisons, air pollution, species extinction waste products management, and overpopulation. Fall.

**4320 COMPARATIVE ECONOMIC SYSTEMS** An elective in the economics major. The mode of instruction is lecture/discussion. 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** A required course for the BS degree in economics. Instructional delivery includes both lecture and discussion. The course examines the determination of prices and their role in directing consumption, production, and distribution under both competitive and non-competitive market situations. Prerequisites: ECON 2320 and 2321. Fall.

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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### **ECONOMICS, FINANCE, AND INSURANCE AND RISK MANAGEMENT**

Return to [EFIRM](#)

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### ECONOMICS, FINANCE, AND INSURANCE AND RISK MANAGEMENT

Return to [EFIRM](#)

#### [1] Courses in Insurance and Risk Management

**3315 LIFE AND HEALTH INSURANCE** This is a required course in the insurance and risk management major. The course covers the nature and importance of life and health risks and the functions or uses of insurance contracts in treating these risks. Included are business insurance, annuities, and estate planning. Primary modes of instruction are lectures and discussions. Prerequisites: INSU 3324 or permission of the instructor. Spring.

**3320 PROPERTY AND LIABILITY INSURANCE** This is a required course in the insurance and risk management major. The course is designed to aid in the planning and evaluation of the requirements of property and casualty insurance for individual and business firms. Analysis is made of exposures and appropriate insurance coverage. Company operations are examined, and the statistical and mathematical bases for rate-making are explored. Primary modes of instruction are lectures, discussions, and case studies. Prerequisites: INSU 3324 or permission of the instructor. Spring.

**3324 RISK AND INSURANCE** (formerly FINA 3324) This is a required course in the insurance and risk management major and an elective course in the Finance major. The mode of instruction is lecture and discussion. 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. This course is designated a computer intensive course for majors in Insurance and General Business Administration. Spring.

**3330 SURPLUS LINES AND REINSURANCE** This is an elective course for insurance and risk management majors. It provides an overview of the nature and operation of the surplus lines insurance market as well as an introduction to the surplus lines market for majors in Insurance and Risk Management. Spring.

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
Document Number 3.01.04

### **MARKETING AND MANAGEMENT**

**Chair and Associate Professor:** Dr. Cangelosi, 450-3149  
**Professors:** Dr. Bradley, Dr. Esteban, Dr. Markham  
**Associate Professor:** Dr. Bounds  
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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### MARKETING AND MANAGEMENT

Return to [Marketing and Management](#)

#### [1] Courses in Marketing (MKTG)

**2350 BASIC MARKETING** An elective course not open to business majors. Students earning a BBA degree will not be given credit for this class. Course is designed to provide the non-business major with an understanding of basic marketing concepts, terminology, technology, processes, and practical applications. The method of instruction includes lectures, discussion, videos, and practical applications of material. Fall, spring.

**3350 PRINCIPLES OF MARKETING** A required course for all business majors in the business core. The course examines the role of marketing and marketing processes. The student will acquire an understanding of marketing concepts, terminology, associated technologies, practical applications, and how marketing relates to other business functions. The method of instruction includes lectures, discussion, and practical applications of material. Prerequisites: ACCT 2310, 2311; ECON 2320, 2321; QMTH 2330. Fall, spring .

**3351 RETAIL MANAGEMENT** An elective in the marketing and management majors and minors. The course is intended for students interested in key aspects of retail management. A lecture/discussion format is used to consider store-based and non-store retailing, retail market and financial strategy, retail location and site selection strategy, merchandise management, budgeting, retail buying, pricing, and customer service. Prerequisite: MKTG 3350 or MKTG 2350. Fall.

**3356 FASHION MERCHANDISING AND E-COMMERCE** An elective in the marketing major and minor. The course examines marketing fundamentals, retailing, and salesmanship as applied to the merchandising of fashion goods. Considerable emphasis on e-commerce, field trips, and guest lecturers. Class lecture and discussion are supplemented by students' going to market and presenting research dealing with fashion to designers. Prerequisite: Consent of instructor. Spring.

**3371 ADVERTISING** An elective course in the marketing major and minor. Course examines advertising concepts, campaign strategy, media mix, advertising research, preparation of advertising copy, agency descriptions, and the relationship of advertising to the marketing mix. Uses a mix of lecture, discussion, and a required group project. Prerequisite: MKTG 3350 or MKTG 2350. Fall.

**3372 SALES MANAGEMENT** An elective course in the marketing and management majors and minors. Course examines the administration of the sales force and the techniques of personal selling. Uses lecture, discussion, and a required sales presentation. Prerequisite: MKTG 3350 or MKTG 2350. On demand.

3373 PUBLIC RELIC.1201 RCHANDS 1 Tf12.4073 0.033(3)quisite: MKNg mix.tave course in the m021201v.50



institution. Prerequisite: Consent of instructor. Spring.

**4362 SERVICES MARKETING** A required course in the marketing major. The course involves the study of marketing in the context of service industries. Special attention will be placed on the unique characteristics of services, as opposed to products, and the importance of services in the US economy. Several of the major services industries (banking, airlines, health care, electronic brokerage) will be specifically examined. The goal of this class is to give students an in-depth knowledge of the services industry. Uses a combination of lecture, discussion, case studies, and a group project. Prerequisite: MKTG 3350. Fall, spring.

**4370 FUNDAMENTALS OF DIRECT MARKETING AND E-COMMERCE A** computer applications course required of all marketing majors. The course provides an understanding of the strategies, tactics, processes, and technologies associated with direct marketing and e-commerce. Lectures, videos, and practical exercises are used in examining fundamental concepts, principles, business considerations, and associated practical applications. Prerequisite: MKTG 3350. On demand.

**4390 SPECIAL PROBLEMS IN MARKETING** An elective course in the marketing major. Students conduct a guided study of a marketing-related topic. Used primarily by students wishing to earn departmental recognition. Prerequisite: Consent of department chair.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### MARKETING AND MANAGEMENT

Return to [Marketing and Management](#)

#### [1] Courses in Management (MGMT)

**2300 FUNDAMENTALS OF ENTREPRENEURSHIP** An elective course not open to business majors. Students earning a BBA degree will not be given credit for this class. The course 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. Lectures, case studies, and discussions are used to examine the issues and problems faced by new business ventures. On demand.

**2301 BUSINESS COMMUNICATIONS** (formerly INFO 3361) A required course of all business majors in the business foundation. The course examines the principles of effective communication and provides practice in writing business letters, reports, resumes, and memos; various types of oral presentations; and electronic communications. Lecture/discussion/computer laboratory. Prerequisite: MIS 1343. Fall, spring.

**2341 PRINCIPLES OF MANAGEMENT** An elective course not open to business majors. Students earning a BBA degree will not be given credit for this class. Course examines the responsibilities of the first line supervisor and develops such supervisory techniques and skills as employee communication, decision-making, maintenance of morale, motivation, leadership, worker productivity, and grievance resolution. Lecture/discussion. On demand.

**3300 LABOR/MANAGEMENT RELATIONS** An elective in the management major and minor. This course will examine labor-management relations in the contemporary US, considering both the internal dynamics of management and the structure and governance of labor unions. An emphasis is placed on the collective bargaining process and on emerging human resource management issues which relate to labor/employee relations in union and non-union organizations. The method of instruction is lecture and discussion. Prerequisite: Consent of instructor. On demand.

**3315 DIVERSITY/MULTICULTURAL COMMUNICATIONS** An elective course for all business majors, this course is designed to increase the effectiveness of communication across cultures in today's global business environment. Course content focuses on the application of theory and research in multicultural communication. Specific topics addressed include intercultural communication (between members of different cultures), multicultural communication (among members of various cultures), culture-biased assumptions, contrasting cultural values, communication and negotiation strategies, verbal and nonverbal patterns,

culture shock, and country-specific information. Discussion based course. On demand.

**3340 MANAGING PEOPLE AND WORK** A required course for all business majors in the business core. Provides an introduction to policies, organizational behavior, and theories and practices used by managers to reach objectives. Includes development of a philosophy of management. Lecture/discussion. Prerequisites: ACCT 2310, 2311; ECON 2320, 2321; QMTH 2330. Fall, spring.

**3342 INTERNATIONAL BUSINESS** An elective in the management and marketing majors. The course involves a study of foreign operations of American firms. Emphasizes the various environments, theories, and institutions in international trade, the strategies of multinationals, and the functional areas of managing international operations. Uses the Internet in researching international business topics. Lecture/discussion format supplemented by student presentations of studies on selected countries. Prerequisite: Consent of instructor. Spring.

**3344 MANAGING PRODUCTION AND OPERATIONS** A required course in the business core for all business majors except those majoring in accounting. Involves a conceptual and analytical examination of the strategic, functional, and operational decisions made as a part of an organization's production/operations function. Lecture/discussion. Prerequisites: ACCT 2310, 2311; ECON 2320, 2321; QMTH 2330. Fall, spring.

**3346 PERSONNEL/HUMAN RESOURCE MANAGEMENT** An elective course in the management major and minor. Course examines the role of personnel/human resource management in organizations. Emphasizes selecting, developing, and compensating the organization's human resource. Lecture/discussion. Prerequisite: MGMT 3340 or MGMT 2341. Fall, spring.

**3349 SMALL BUSINESS MANAGEMENT** An elective in the management and marketing majors and minors. Class is intended for students who may form or be employed by a small or family-owned business. Supplements management theory by providing well-balanced coverage of critical small business issues and practical experience in the determination and solution of actual business problems. Internet applications and case studies in the small business community augment lecture and discussion and are used to examine the issues and problems faced by small and family-owned businesses. Prerequisite: Consent of instructor. Fall, spring.

**3350 COMPENSATION ADMINISTRATION** An elective in the management major and minor. Course examines 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. Lecture/discussion. Prerequisite: MGMT 3340 or MGMT 2341. Fall.

**3351 CONTEMPORARY ISSUES IN HUMAN RESOURCE MANAGEMENT** An elective in the management major and minor. Course analyzes issues of current importance to human resource managers. 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. Uses lecture, discussion, and case analysis. Prerequisite: MGMT 3340 or MGMT 2341. Spring.

**3352 PURCHASING AND MATERIALS MANAGEMENT** An elective in the management major and minor. Course examines the role of purchasing and materials management in organizations. Emphasizes selecting, developing, and compensating the organization's human resource. Lecture/discussion. Prerequisite: MGMT 3340 or MGMT 2341. Fall, spring.

topic. Used primarily by students wishing to earn departmental recognition.  
Prerequisite: Consent of department chair.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### MANAGEMENT INFORMATION SYSTEMS

**Interim Chair and Associate Professor:** Dr. Zeltmann, 450-3110

**Professor:** Dr. Bell

**Associate Professors:** Dr. Friedman, Dr. Gatlin-Watts, Dr. Griffin, Dr. McGaughey

**Assistant Professors:** Dr. McMurtrey, Dr. Nour, Mr. Weller

**Instructors:** Mr. Isanhart, Ms. Martin

#### **[1] Objectives**

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The Department of Management Information Systems offers major and minor programs of study designed to prepare students for careers in developing and implementing computer-based systems. MIS students learn how to utilize the power of computer technologies to re

general education component; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) electives to bring total credit hours to 124. Students majoring in management information systems may choose between two tracks.

### **[3.1] End-User/Internet Track**

The End-User/Internet Track is designed for MIS majors who wish to prepare for jobs working with non-technical managers and staff in an organization. Graduates from the End-User/Internet track typically help determine computer needs, provide training on existing or newly developed computer systems, staff help desks, create local systems and databases, and develop sites on the World Wide Web. Requirements for the End-User/Internet track are as follows:

#### **Major in MIS, End-User/Internet Track (27 or 28 hours)**

MIS 1370 or CSCI 1470; MIS 3328 or 3329, 3362, 3363, 3365, 3366, 4339, and 6 hours from WRTG 3310; MIS 3322, 3364, 4350, 4362.

### **[3.2] Programmer/Analyst Track**

The Programmer/Analyst Track is designed for MIS majors who wish to prepare for jobs working as system designers and system builders in a large organization. Graduates from the Programmer/Analyst track typically work with non-technical

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### MANAGEMENT INFORMATION SYSTEMS

Return to [MIS](#)

#### [1] Courses in Management Information Systems (MIS)

**1370 COMPUTER ARCHITECTURE AND PROGRAMMING** Either MIS 1370 or CSCI 1470 is required for all MIS majors as a foundation to programming. The goal of MIS 1370 is to provide the student with an introduction to the inner workings of digital computers from both a hardware and a software perspective. The hardware focus is primarily from the perspective of the central processor and primary memory.

3362. Fall, spring.

**3366 WEB SITE DEVELOPMENT** A required course for students in the end-user/internet track and an elective for students in the programmer/analyst track of the management information systems major. Intended for students interested in learning about web page design concepts, web server support, and FTP techniques. Assumes knowledge of Windows and the Internet and introduces students to the development of web pages using HTML and other web design enhancing tools (such as JavaScript, DHTML, CSS, XML, etc.) through lecture, demonstration, and practice in a networked computer lab. Prerequisites: MIS 1370 or CSCI 1470, knowledge of Windows and the Internet. Fall, spring.

**4180, 4280, 4380 MIS PROJECT** An elective course for all Management Information Systems majors. Used for students who desire to complete a project. Prerequisite:

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## COLLEGE OF EDUCATION

**Dean and Professor:** Dr. McHaney, 450-5401

**Associate Dean and Professor:** Dr. C. Williams, 450-3175

**Assistant to the Dean and Clinical Instructor:** Ms. Barnes, 450-5403

### [1] Introduction

---

The College of Education at the University of Central Arkansas is dedicated to providing exemplary programs for the preparation of professional personnel in the fields of education, library media, informational technologies, psychology, counseling, and other related professional fields. With an emphasis on teaching, research, and service, the members of the College of Education and the Professional Education Unit demonstrate commitment to the improvement of human service delivery systems by collaboratively working with organizations that have teaching, training, and human development as their mission. The professional education programs in the college prepare professionals as reflective decision-makers who demonstrate the content, pedagogical and professional knowledge, skills, and dispositions necessary to help all students learn.

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 organizations at the state, regional, and national levels, with schools, and with human service agencies.

Faculty members involved in the preparation of professional educators, as well as professional education candidates, public school representatives, and members of the community share a vision for the Professional Education Unit at the University of Central Arkansas. This vision is one of preparing *Educators as Reflective Decision-Makers*. The PEU defines reflective decision-makers as those who think systematically about their practice, engage in thoughtful assessment of their

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- Childhood Education (P-4)
- Middle Level Education (4-8)

Language Arts/Social Studies  
Mathematics/Science

- Business and Marketing Technology Education (7-12)

Business (Teacher Education)  
Marketing (Teacher Education)

**[2.1.3] Bachelor of Science**

- Psychology

**[2.1.4] Master of Science in Education**

- Reading
- Special Education:

Instructional Specialist, Birth - 8 years  
Instructional Specialist, Grades 4 - 12

**[2.1.5] Master of Science**

- Community Service Counseling
- Counseling Psychology
- Library Media and Information Technologies
- School Counseling
- School Psychology
- Training System

**[2.1.6] Doctor of Philosophy**

- School Psychology

Graduate programs in teacher education are currently under review to ensure a curriculum reflecting exemplary practices and meeting new licensure requirements. For more information, contact the College of Education, 450-5401.

**[2.2] College of Fine Arts and Communications**

Art P-8 and 7-12  
Music: Instrumental and Vocal P-8 and 7-12

**[2.3] College of Health and Applied Sciences**

Undergraduate:

Family and Consumer Sciences 7-12  
Kinesiology/Physical Education/Health P-8 and 7-12

Graduate:

Speech Pathology

**[2.4] College of Liberal Arts**

English 7-12  
French 7-12  
Social Studies 7-12  
Spanish 7-12

**[2.5] College of Natural Sciences and Mathematics**

Mathematics 7-12  
Secondary Science Education 7-12 (tracks: Life/Earth Science, Physical/Earth Science)

**[2.6] Graduate School of Management, Leadership, and Administration**

Master's:

School Leadership, Management and Administration

Specialist:

Educational Leadership

At UCA, the content specialists in the arts and sciences work collaboratively with pedagogy specialists in those same disciplines and often in the same departments to prepare professional educators.

**[3] Teacher Education Program  
Admission, Exit, and Retention Requirements**

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The state of Arkansas requires all applicants for a teacher's license to be fingerprinted and to undergo a successful background check. Questions about this procedure and/or its impact upon a candidate's personal situation should be directed to the Director of Admissions and Licensure. If evidence becomes known that would render the candidate ineligible to receive a teacher's license in the state of Arkansas, then this information may become grounds to refuse admission to or retention in the program.

**[3.1] Admission**

Admission to teacher education is required for all candidates expecting to complete a teacher education program leading to initial licensure in any teaching field. Level I



admission is required for enrollment in designated upper division professional education courses.

**[3.1.1] Level I Admission**

The following minimum requirements must be met for admission to the teacher education program:

- A. Establishment of an account on the College of Education candidate database. Accounts may be opened in the Technology Learning Center, Mashburn 102
- B. Submission of an Admissions Affidavit stating that the candidate has never been convicted of any crime that would prevent the issuance of a teaching license (Act 1313 of 1997 and Act 752 of 2001). Both forms may be obtained from The Office of Candidate Services and Field Experience.
- C. A cumulative 2.5 GPA on all coursework attempted. Prior to full admission, transfer students with no previous coursework at UCA must also establish a 2.5 GPA in a minimum of twelve semester hours.
- D. Completion of courses in written communications (WRTG 1310 and 1320), oral communications (SPCH 1300), and mathematics (MATH 1360 or above) with no grade less than a C. Some majors require College Algebra (MATH 1390) for admission. Completion of pre-admission education courses EDUC 1300 Education as a Profession (all majors), EDUC 1220 Education Technology or successful completion of the Technology Competency Exam (all majors), and ECSE 3300 Foundations of Early Childhood Education (P-4 majors only). All professional courses must be completed with no grade less than a C.
- E. Completion of the Praxis I Pre-Professional Skills Test (PPST) according to current state-established minimum scores: PPST Reading 172; PPST Math 171; PPST Writing 174. Candidates are advised to take the Praxis I during the freshman year. Admission to the program will be delayed until minimum scores on each section are achieved.
- F. Successful completion of forty-five semester hours (or in process).
- G. Submission of two recommendations for admission from UCA faculty (one recommendation must be completed by the instructor of EDUC 1300 or ECSE 3300).
- H. Candidate interview by the major area faculty with recommendation for admission. Candidates will register for the interview in The Office of Candidate Services and Field Experience. Items A-G will be forwarded to the candidate's major academic department prior to the interview dates established by the department. Interview registration deadlines are listed below.

The Office of Candidate Services and Field Experience will observe the following deadlines for the application process. Candidates are encouraged to submit all requirements for admission prior to the established deadlines.

October 1	Final date for interview registration (H) for candidates seeking admission for the following semester (spring).
November 1	Final date for completion of items A-G for candidates seeking full admission the following semester (spring).
March 1	Final date interview registration (H) for candidates seeking admission for the following semester (summer or fall).
April 1	Final date for completion of items A-G for those candidates seeking full admission the following semester (summer or fall).
*July 1	Final date for interview registration (H) for candidates seeking admission for the following semester (fall).

3. The candidate earns a grade less than C in any required lower or upper division course in the candidate's major.
4. The candidate's UCA GPA falls below 2.5.
5. The candidate fails to meet the required course or program prerequisites, especially for field-based teaching methods courses and internships.
6. The candidate's knowledge, skills, and dispositions are judged by two or more faculty instructors and/or mentor teachers to be unsatisfactory.
7. The candidate does not complete an internship satisfactorily.

A formal review by the program faculty will occur before a candidate will be allowed to enroll in internships. The outcomes of this review will determine whether the candidate will be permitted to continue in the teacher preparation program. The review may result in a remediation plan rather than dismissal. Decisions to remove a candidate from the teacher education program will be made by the program faculty and forwarded by the Program Coordinator to the Department Chair, the Director of Field Experience, and the Associate Dean.

### **[3.5] Retention in Field Experiences/Internship**

A candidate may be removed from a field experience when any of the following occurs:

1. The appropriate school authority states that the teacher education candidate's presence in the classroom is not in the best interest of the public school's students and/or requests that the teacher preparation candidate be removed.
2. The joint decision of the appropriate Program Coordinator and Department Chair in consultation with the Director of Field Experience, Mentor Teacher, and University Supervisor states that the circumstances are such as to prevent the development and/or maintenance of a satisfactory learning environment.
3. The candidate exhibits unprofessional/unethical behavior.
4. A decision has been reached that the teacher education candidate cannot receive a satisfactory grade in a field experiences course.

### **[3.6] Appeals of Admission and Retention Decisions**

If the candidate so desires, he/she may submit a formal appeal of an admission or retention decision. In such a situation, a candidate can only initiate an appeal after seeking resolution with the program's department chair. An appeal must be based on exceptional and extenuating circumstances and other pertinent information not previously available or considered. A formal appeal must be submitted in writing to the Dean of the College of Education (COE) within five business days of being notified of admission or retention status. The COE Dean will transmit the appeal to the Standard 1 and 2 Standing Committee. The candidate may appeal to the COE dean, in writing, within five business days of the committee's decision. The candidate may appeal to the Provost, in writing, within five business days of the Dean's decision. d

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## COLLEGE OF EDUCATION

Return to [College of Education](#) | [Early Childhood and Special Education](#) | [Middle/Secondary Education and Instructional Technologies](#)

### [1] Courses in Education (EDUC)

**1220 EDUCATIONAL TECHNOLOGY** A required course introducing computer applications for use in the classroom. Candidates develop competency in word processing, databases, spreadsheets, desktop publishing, presentation software, and web page utilization through laboratory activities. Fall, spring, summer.

**1300 EDUCATION AS A PROFESSION** A required course for education candidates for admission into the teacher education program. The course is designed to help students explore their motivation for teaching; overview the structure of the American public school, both as an institution within itself and as an agency of society; gain a sense of the changing nature of schooling; and understand the UCA teaching program. A field experience is required. Fall, spring, summer.

**3309 CULTURAL PERSPECTIVES: FAMILY, SCHOOL, AND COMMUNITY PARTNERSHIPS** This course examines the theory, research, and practice of school, family, and community partnerships. It is designed to equip future educators with the knowledge and skills needed to form meaningful relationships with students' families, schools, and community members. Course goals will be accomplished through the use of lecture, discussion, and field experiences. Taken as part of Block I. This course is part of the ESL endorsement. Prerequisite(s): Admission to teacher education. Fall, spring, summer.

**3320 INTRODUCTORY STRATEGIES FOR STUDENTS WITH DIVERSE LEARNING NEEDS: P-4** Introduces diverse populations through the study of the learning and emotional development of students with exceptionalities (i.e., disabilities and gifted/talented). Characteristics of exceptionalities, instructional strategies, modifications and accommodations, and current educational trends are addressed. Although a lecture format will primarily be used, candidates are expected to participate in small and large group discussions. Prerequisites: Admission dstr7o5.3(ions.5W1202i7r- 0.bNp0.0-2.4536 Oticc4/9,ted ))TJ06 Oticc4/9,ted

## UCA UNDERGRADUATE BULLETIN 2002-2004

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### EARLY CHILDHOOD AND SPECIAL EDUCATION

**Chair and Associate Professor:** Dr. Kathleen Atkins, 450-3172

**Professors:** Dr. Mainord, Dr. Naylor

**Associate Professors:** Dr. Benson, Dr. Cooper, Dr. Mosley

**Assistant Professors:** Dr. Filer, Dr. Feng, Dr. Sumpter

**Clinical Instructor I:** Mr. Barrington, Ms. Cain, Ms. Crow, Ms. Greer

**Child Study Center Instructors:** Ms. Rowell, Ms. Sturdivant

#### [1] Departmental Purposes

The primary purposes of the department are to (a) prepare novice teachers with entry-level skills that will allow them to develop into competent professionals, (b) prepare experienced professionals with the knowledge and skills that will allow them to assume leadership roles in schools and other agencies and organizations whose principal functions relate to P-12 schooling, (c) provide service to agencies and organizations that interface with P-12 schools and the preparation of teachers and other educators, and (d) advance the knowledge and practice of teaching and schooling through scholarly and creative activities.

All programs are accredited by the National Council for the Accreditation of Teacher Education.

#### [2] The Honors Program

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

1. Consent of the chair of the department,
2. 3.00 grade point average on all work attempted, and
3. Successful completion of ECSE 4321.

#### [3] Baccalaureate Degree: Bachelor of Science in Education

The department offers the Bachelor of Science in Education (BSE) degree with a major in Early Childhood Education (P-4). The performance based undergraduate program in early childhood education is designed to prepare candidates for positions as teachers in grades P-4. Upon completion of the program, candidates are expected to (a) understand and apply knowledge related to the social, historical, and philosophical foundations of early childhood education; (b) know the way young children learn and develop; (c) understand language acquisition, cultural influences on learning, exceptionalities, diverse student populations, inclusion and equity in classrooms and schools; (d) integrate technology into instruction and learning; (e) use research and developmentally appropriate practices in their teaching; and (f) know the roles and responsibilities of the profession of teaching.

#### [3.1] Major in Early Childhood Education, P-4 (126 hours + EDUC 1220 if needed)

**General education.** Requires the completion of the general education component (see General Education Program in this bulletin). GEOG 1305, HIST 2301 OR 2302, MATH 1390, PHYS 1400, and PSCI 1330 should be selected because these courses fulfill both general education requirements and program requirements.

**Professional education.** 51 semester hours: ECSE 3300, 3301, 4319, 4309, 4311, 4320, 4600, 4603, 4604, 4610; EDUC 1220, 1300, 3309, 3320. EDUC 1220 and 1300 and ECSE 3300 must be completed prior to admission to the teacher education program.

**Major requirements.** ART 4360, ENGL 3310, HIST 3310, KPED 3320, MATH 3351 and 4310, MUS 3351, SCI 4410. In addition, MATH 1390 and PHYS 1400 must be taken if not completed as part of the general education requirements.

**Related requirements.** GEOG 1305, HIST 2301 or 2302, PSCI 1330.

**Delivery of courses.** With the exception of the general education courses, ECSE 3300, EDUC 1300, and EDUC 1220, all requirements must be completed after admission to the teacher education program. Several courses are scheduled to form blocks, and these courses must be taken simultaneously. **Mini-block:** ECSE 3301 and EDUC 3309 must be completed upon admission to teacher education. **Creative arts block:** ART 4360, KPED 3320, and MUS 3351 must be taken prior to entry into Junior Block. **Junior Block :** EDUC 3320, ECSE 4309, 4311, 4610 must be taken during the same semester, with field experiences on Tuesdays and Thursdays, 8:00-11:00. **Internship I:** ECSE 4319, 4320, 4600; 4307 must be taken during the same semester, with field experiences on Tuesdays from 8:00-4:00 and Thursdays from 8:00-12:00. **Internship II:** ECSE 4603, 4604, with daily field experiences, 8:00-4:00.

#### [4] Courses in Education (EDUC)

Follow this link to descriptions for EDUC courses: [course link](#).

#### [5] Courses in Early Childhood Education (ECSE)

Follow this link for ECSE course descriptions: [course link](#).

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### EARLY CHILDHOOD AND SPECIAL EDUCATION

Return to [Early Childhood and Special Education](#)

#### [1] Courses in Early Childhood and Special Education (ECSE)

**3300 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION** This course introduces candidates to the various roles assumed by teachers in the field of early childhood education. Fall, spring, summer.

**3301 EARLY DEVELOPMENT AND LEARNING THEORIES** (formerly ECSE 3400)  
This course is taken as part of the mini-education block and upon admission to teacher education. The course introduces candidates to the cognitive, social, emotional, physical, and language development of young children including those with disabilities, developmental delays, special abilities, and diverse backgrounds. Lectures, discussions, videotaped presentations, demonstrations, and field experiences are central to this course. Fall, spring, summer.

**4307 INSTRUCTIONAL PROGRAMMING AND TECHNIQUES FOR YOUNG DIVERSE LEARNERS** This course is taken as part of Internship I. The course is designed to prepare candidates to meet the needs of young diverse learners in the general education setting. Through acquiring the necessary foundation of skill, the

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**MIDDLE/SECONDARY EDUCATION AND**

### [2.2.2.1] Mathematics/Natural Sciences Track

**General Education:** Requires completion of the general education component. The following courses should be selected from those categories that provide options because these courses fulfill both general education and program requirements: BIOL 1400, ENGL 2305 or 2306, 2370, GEOG 1305, HIST 1310, 1320, 2301 or 2302, PHYS 1400, PSCI 1330, MATH 1390.

**Related requirement:** ENGL 3335, HIST 3310.

**Concentration in Mathematics and Natural Sciences** (47 hours including 11 hours taken as part of general education): In addition to the courses specified for general education, the following courses are required: CHEM 1400; MATH 1360, 2320, 3351, 4310, 4314, 4510; SCI 3410, 3420, 4420.

**Professional Education:** EDUC 1300, 1220 or Competency Test, 3309, 3320, MSIT 3310, 4305, 4320, 4325, 4411, 4315, 4612, 4613.

### [2.2.2.2] Language Arts/Social Studies Track

**General education:** Requires completion of the general education component. The following courses should be selected from those categories that provide options because these courses fulfill both general education requirements and program requirements: ART 2300; BIOL 1400; ECON 1310; ENGL 2305 or 2306, 2370; HIST 1310, 1320, 2301; MATH 1390; PHYS 1400; PSCI 1330; WRTG 1310, 1320.

**Related requirement:** Math 3351.

**Concentration in Language Arts/Social Studies:** In addition to the courses specified for general education, the following courses are required: ENGL 2312, 2313, 3320, 3335, and a cross-cultural elective in either Asian, Latin American, or African American (see options below); GEOG 1315, 1322; HIST 2302, 2320, 4355, and the same cross-cultural elective in Asian, Latin American, or African American as selected for English (see options below); SOC (3 hours); WRTG 3305.

Cross-cultural studies options (courses are taken concurrently and with the same content emphasis, e.g., Asian):

- English: Select one of the following: ENGL 4304, 4380, WLAN 2315.
- History: Select one of the following: HIST 3303, 3304, 3312, 3315, 3353, 3354, 4305, 4328, 4381, or 4388.

**Professional Education:** EDUC 1300, 1220 or Competency Test, 3309, 3320, MSIT 3310, 4305, 4310, 4320, 4325, 4411, 4612, 4613.

### [2.2.3] Secondary Education

See the education major in the appropriate college and department for full program descriptions. Departments have developed four-year model plans of study and have made them available on-line: [model plans of study](#).

### [2.3] Graduate Programs

Two graduate programs are offered in the Department of Middle/Secondary Education and Instructional Technologies. See the *Graduate Bulletin* or UCA home page for Business and Marketing Technology Education and Educational Media and Library Science.

### [3] Courses in Business/Marketing Education (BMED)

**Note:** Effective with the fall semester 2003, the prefix BMTE will replace BMED.

Follow this link to BMED/BMTE course descriptions: [course link](#).

### [4] Courses in Education (EDUC)

Follow this link to EDUC course descriptions: [course link](#).

### [5] Courses in Middle/Secondary Education (MSIT)

Follow this link to MSIT course descriptions: [course link](#).

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**4395 METHODS AND TECHNIQUES OF ADULT EDUCATION** An elective that discusses specific methods and techniques used in the teaching of adults through discussion and micro-teaching assignments. Prerequisite: Admission to teacher education. On demand.

**4396 METHODS AND MATERIALS IN VOCATIONAL EDUCATION** An elective that explores new methods and materials to use in teaching courses in vocational education through discussion. Prerequisite: Admission to teacher education. On demand.

**4680 INTERNSHIP II** Required course involves teaching under supervision in a

Professional Block III. Prerequisite(s): Completion of Blocks I and II. Fall.



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### PSYCHOLOGY AND COUNSELING

Return to [Psychology and Counseling](#)

#### [1] Courses in Psychology (PSYCH)

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**1300 GENERAL PSYCHOLOGY** A general education elective in behavioral and social sciences. Survey and introductory course in psychology to acquaint the student with psychology as a behavioral science. A required course for majors and minors. Lecture. Fall, spring, summer.

**2330 PSYCHOLOGICAL STATISTICS** Introductory descriptive and inferential statistics. A required course for majors. No credit will be awarded in more than one introductory statistics course. Lecture/laboratory; computer work required. Fall, spring, summer.

**2350 SENSATION AND PERCEPTION** Study of the sensory processes and related perceptual phenomena. Category II elective. Lecture. Prerequisite: PSYC 1300. Fall, spring.

**2370 DEVELOPMENTAL PSYCHOLOGY** Continuation of theoretical points of view related to development across the lifespan. Category III elective. Lecture. Prerequisite: PSYC 1300. Fall, spring, summer.

**3305 HEALTH PSYCHOLOGY** A comprehensive introduction to the field of health psychology. Both theoretical and applied aspects of the work of the health psychologist. 000r7 Tc[(2350)-285.1(SENSATION A3o the field of heat.TJ-18.OLOG7J-17.5901-285.1(SE2 1 Tsumme)5.6(r. d iconsII e)]TJ-18instrtory;.(student )5.5(wit)5.2(h all, (Anof lly0.0057 Tw[(2)5.7(3)0.2(70)-284.5(4CEPTIO3OLOGY)]TJ3



Speech  
Theatre

#### [4] Degree Programs

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##### [4.1] Bachelor of Arts

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

##### [4.2] Bachelor of Fine Arts

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

##### [4.3] Bachelor of Music

Performance  
Music Education (emphasis in choral or instrumental)

##### [4.4] Bachelor of Science

Mass Communication (emphasis in journalism or telecommunication)  
Speech and Theatre (emphasis in speech communication, public relations, or theatre)

##### [4.5] Master of Music

See *Graduate Bulletin*.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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## ART

**Chair and Associate Professor:** Dr. Young, 450-5791  
**Professors:** Mr. Bowman, Dr. Burchett, Mr. Larsen, Mr. Massey, Dr. Seymour  
**Associate Professors:** Ms. Brands  
**Assistant Professors:** Ms. Smith  
**Visiting Assistant Professors:** Ms. Pinckley, Mr. Novikov  
**Instructor:** Mr. Bailin  
**Gallery Director/Instructor:** Ms. Satterfield  
**Studio Technician/Instructor:** Mr. Slentz  
**Visual Resource Librarian:** Ms. Tebo

#### [1] Mission

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The Department of Art views educational achievement as both an individual and collective responsibility. Offering a variety of undergraduate programs in art, 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,

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.

### **[3] Baccalaureate Degrees**

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## UCA U

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Return to [Art](#)

### [1] Courses in

**1301 INTRODU**  
and three-dimen  
introduction to cr  
major or minor in

**1310 DESIGN I,**  
two-dimensional

**1321 DRAWING**  
and media. Stud

**2140 PORTFOL**  
Sophomore Majc  
2312, 2322, 3 hc

**2312 DESIGN II,**  
three-dimension:

**2322 DRAWING**  
figure in various

**3140 PORTFOL**  
review and degr  
development. Se

**3150 BFA FOLI**  
professional art f  
spring.

**3315 CONTEMP**



**3320 PHOTOGRAPHY II** Major/minor course in an art degree program emphasis. Advanced technique with emphasis on photographic practice as an art medium. Studio. Prerequisite: ART 3318. Spring.

**3324 DRAWING III, ADVANCED LIFE DRAWING** Area studies course required of all art majors. An in-depth study of the figure with emphasis on expressive interpretations of the undraped form. Studio. Prerequisites: ART 1310, 1321 and 2322. Spring.

**3325 COLOR** An elective in the art program designed for art majors and minors. The physical, psychological, and design properties of color; emphasis on color in nature, with applications in art, science, and industry. Studio. Prerequisite: Junior or senior standing. Spring.

**3330 ILLUSTRATION I** Area studies course for majors and minors. Procedures, materials, and methods of illustration. Various media and conceptual approaches. Studio. Prerequisites: ART 1310 and 3 hours drawing. Fall.

**3331 ILLUSTRATION II** Major/minor course in an art degree program emphasis. Creation of images inspired by the written word. Studio. Prerequisite: ART 3330. Spring.

**3332 PAINTING I** Area studies course for majors and minors. Problems involving composition and color using various painting techniques and supports. Studio. Prerequisites: ART 1310 and 3 hours drawing. Fall.

**3333 PAINTING II** Major/minor course in an art degree program emphasis. Problems involving composition and color. Studio. Prerequisites: ART 2140, 3332. Spring.



hours of art history. Fall.

**4102, 4202, 4302\* DIRECTED STUDY** Non-studio course in an art degree program emphasis for majors only. Advanced study and research beyond available courses. Seminar. Prerequisite: Written proposal and departmental approval semester prior to enrollment. Fall, spring. (\*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.)

**4390 SPECIAL STUDIES** Art honors course for majors only. Independent study for the exceptional student in research and/or studio art. Seminar. Prerequisite: Invitation of the art faculty. Fall, spring.

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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.

**[4.1.1] Journalism Emphasis (40 hours)**

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, 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 and complete an internship or co-operative field experience.

**[4.1.2] 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, THEA 2331 (or THEA 3332), MCOM 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 and complete an internship or co-operative field experience.

**[4.1.3] Mass Communication Minor (26 hours)**

Students seeking a minor in mass communication are required to complete MCOM 1300, MCOM 2300, MCOM 1362, and MCOM 3301 and at least 2 hours of credit in

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### MASS COMMUNICATION AND THEATRE

Return to [Mass Communication and Theatre](#)

#### [1] Courses in Mass Communication (MCOM)

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**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: MCOM 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.

**2201-2301 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.

**3334 NON-FICTION WRITING** (formerly MCOM 2334) 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 or consent of instructor. Spring.

**3363 ADVANCED AUDIO PRODUCTION 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 PRODUCTION 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 with a 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: MCOM 1362 or consent of instructor. Spring.

**3391, 4391 TOPICS IN MASS COMMUNICATION** Upper-division elective. Special topics in mass communication. Lectures, discussion, screenings, writings, etc. May be repeated for credit up to 6 hours.

**4313 WRITING FOR ELECTRONIC MEDIA** Seminar in writing creative material and commercial copy for electronic media. All types of continuity news Rb1C 2or elec copy continuity news RbV33650m6l5(con6l5(s087 0on6l5(s.7s2RcoCATION ))TJ/TT2mb3tl1202 TD(commeSon65b)TJ/.oR Tw2or 0009 Tpli(Sropy 04 T[(336501

## UCA UNDERGRADUATE BULLETIN 2002-2004

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### MASS COMMUNICATION AND THEATRE

Return to [Mass Communication and Theatre](#)

#### [1] Courses in Theatre (THEA)

**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.

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

**1360 TEXT ANALYSIS FOR THE THEATRE** An introduction to textual analysis for the theatre student and artist that studies the dramatic text as a foundation for production. Students will learn to analyze play progression from moment, observe how character and action are conveyed, understand how structure reveals content, and how stage directions stimulate the dramatic imagination.

**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. 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.

**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.

**2325 FUNDAMENTALS OF THEATRICAL DESIGN** Introduction to critical methodology in the conception, creation and presentation of scenic, lighting and costume design.

**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.

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

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: THEA 1350 and 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: THEA 2331 or consent of instructor. Spring, odd years.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### MUSIC



**Applied Music** (12-14 hours): Major applied: 10 hours (instrumental) or 12 hours (vocal); 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: MUS 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. (Instrumental majors must have 1-2 hours of brass class, and 1-2 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.)

**Technology** (2 hours): MUS 2210.

**Internships** (13 hours): MUS 4140, MUS 4690, MUS 4691

### [3.2] Bachelor of Music in Performance

The degree of Bachelor of Music with a major in performance requires successful completion of 133 hours, including (1) the general education component, (2) degree requirements as listed below, and (3) ensemble experience as required.

#### [3.2.1] Major in Performance (133 hours)

**Applied Music** (26 hours): Major applied: 23 hours; minor applied: 2 hours; recital: 1 hour.

**Theory** (24 hours): MUS 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 Performance 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 courses from other disciplines. Students should consider the university graduation requirement of 40 hours of upper-division credit for graduation when choosing electives.)

### [3.3] Bachelor of Arts in Music

The degree of Bachelor of Arts in Music requires the completion of 130 hours, including (1) the general education component; (2) degree requirements as listed

below; (3) a minor in another field of up to 24 units; (4) a foreign language requirement; and (5) ensemble experience as required.

#### [3.3.1] Major in Music

**Theory** (16 hours)  
**Music Literature** (3 hours)  
**Music History** (6 hours)  
**Applied Music** (8 hours)  
**Ensembles** (8 hours)  
**Secondary Applied** (2 hours)  
**Music Technology** (2 hours)  
**Upper Division Electives** (13 hours)

#### [3.3.2] Minor in Music (non-teaching) (24 hours)

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). Admission 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.

**Music Literature** (3 hours)

**Applied Music** (6-7 hours). For those who need piano for theory keyboard, 2 hours of piano class may be a part of the 6 hours in applied music.

**Ensemble** (6-7 hours). Only one credit per semester may be used to fulfill this requirement.

### [4] Master's Degrees

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See *Graduate Bulletin*.

### [5] Accreditation

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The University of Central Arkansas is an accredited institutional member of the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190. Telephone: (703) 437-0700.

### [6] Departmental Undergraduate Admission Requirements

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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



#### **[7.5] 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

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### MUSIC

Return to [Music](#)

#### [1] Courses in Music (MUS) - Theory

**1230 HARMONY I** Core requirement for all music majors and minors. Taken concurrently with Ear Training I. Fundamentals of music, major and minor scales, modes, key signatures, intervals, triads, melodic and harmonic analysis. Part-writing using root position and first inversion triads, and related keyboard assignments. Methods of instruction include lecture, discussion, and laboratory. Prerequisite: MUS 1300 Fundamentals of Music or scoring a passing grade on the fundamentals of music entrance examination. To be taken concurrently with MUS 1231. Fall.

**1231 EAR TRAINING I** Core requirement of all music majors and minors. Taken concurrently with Harmony I. Enhances overall musicianship through improvement of ear training skills such as rhythmic reading, sight singing, melodic and harmonic dictation. Methods of instruction include lecture, discussion, and laboratory. Prerequisite: Scoring a passing grade on the fundamentals of music entrance examination. To be taken concurrently with MUS 1230. Fall.

**1232 HARMONY II** Core requirement of all music majors and minors. Continuation of Harmony I. Taken concurrently with Ear Training II. Seventh chords, non-chord tones, secondary dominants and secondary leading tone seventh chords, modulations, and small forms. Part-writing using second inversion triads and seventh chords and related analysis, keyboard harmony, and composition. Methods of instruction include lecture, discussion, and laboratory. Prerequisites: MUS 1230 and 1231. Spring.

**1233 EAR TRAINING II** Core requirement of all music majors and minors. Continuation of Ear Training I. Taken concurrently with Harmony II. Enhances overall musicianship through improvement of ear training skills such as rhythmic reading, sight singing, melodic and harmonic dictation. Methods of instruction include lecture, discussion, and laboratory. Prerequisites: MUS 1230, 1231. To be taken concurrently with MUS 1232. Spring.

**1300 FUNDAMENTALS OF MUSIC THEORY** Prerequisite for Theory I and Ear Training I for music majors without a strong music background. Recommended as an elective for non-majors who are interested in learning about the rudiments of music. Music fundamentals including notation, keys, scales, intervals, meter, rhythm, melody, and harmony in preparation for MUS 1230 (Harmony I). Methods of instruction are lecture and working theoretical exercises using the computer. Minimal computer skills will be helpful. Credit earned in this course is in addition to that earned in required theory courses. Fall, spring.

**2210 INTRODUCTION TO MUSIC TECHNOLOGY** Requirement of all music education majors. Upper-division elective for music performance majors as enrollment allows. 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. Methods of instruction include lecture, discussion, workshop, and laboratory. Prerequisites: MUS 1230, 1232. Fall, spring.

**2430 THEORY III** Core requirement of all music majors. Continuation of Harmony II and Ear Training II. Borrowed chords, Neapolitan triads, augmented sixth chords, chromatic mediants, sonata and rondo forms. Ear training, sight-singing, keyboard harmony, and composition projects are correlated with written work. Methods of instruction include lecture, discussion, workshop, and laboratory. Prerequisites: MUS 110 1 T2430M S

performance majors. Arranging music for choirs, which may be sung a cappella or accompanied with adolescent through adult voices. Methods of teaching are lecture, discussion, and laboratory. After instruction, students write exercises and full choral arrangements using Finale, a music engraving program for either Macintosh or PC. Prerequisite: All previous theory courses, MUS 2210 Introduction to Music Technology and previous choral experience. Fall.

## [2] Courses in Music (MUS) - History and Literature

**1340 INTRODUCTION TO MUSIC LITERATURE** Core curriculum requirement of all music majors and minors. Introductory course in music history and literature. Through lectures and aural examples, 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** General education curriculum option for the fine arts requirement. Introduces students to music, its origin and development through recorded and live instrumental and vocal music. Relates to other arts, cultures, literature, and the social sciences. Methods of instruction are lecture and listening to music. Fall, spring, summer.

**3300 CHURCH MUSIC** Upper-division elective for music majors. History of Western church music from earliest times to the present and application of this heritage to church music of today. Methods of instruction are lecture and listening to music. Prerequisite: Consent of instructor. On demand.

**3302 MUSIC HISTORY I** Core curriculum requirement for all music majors. History of Western art music from antiquity to 1750. Methods of instruction are lecture and listening to music. Prerequisite: MUS 1340. Fall.

**3303 MUSIC HISTORY II** Core curriculum requirement for all music majors. History of Western art music from 1750 to the present. Methods of instruction are lecture and listening to music. Prerequisite: MUS 3302. Spring.

**4203 PIANO LITERATURE** Required for BM piano performance majors and BM education majors with a piano emphasis. Covers keyboard works from the late Baroque period through the twenty-first century including works composed for harpsichord and clavichord. Methods of instruction are lecture and CD listening. Spring.

**4205 VOCAL LITERATURE** Required for BM performance voice majors and optional for other voice or piano majors. Solo vocal literature from the Renaissance to the present. Emphasis on style, interpretation, and historical perspective to equip performance majors with the basic content of their profession. Instruction by lecture, listening, and student individual research. Prerequisite: Upper-division status. Spring.

**4301 JAZZ: HISTORY OF AN AMERICAN ART FORM** Upper-division general education elective. Historical survey of the evolution of jazz from African slave songs to the present. Recognition of jazz styles through listening, studying, and research.

Methods of instruction are lecture and listening to music. Prerequisite: Upper-division status. On demand.

**4304 HISTORY OF ROCK MUSIC** Upper-division general education elective. Historical survey of rock music, including its antecedents, its development as a musical style, and its influences on modern American culture. Lecture-based with emphasis on the development of listening and communication skills. Prerequisite: Upper-division status. Spring.

## [3] Courses in Music (MUS) - Pedagogy

**1141 DICTION FOR SINGERS I** Requirement for all BM vocal majors. Pronunciation skills in German and Italian as encountered in the standard repertory of vocal music. Study of the aural and written phonetic, spelling, and articulation skills necessary to successfully study, perform, or teach the literature of the vocal and choral singing instrument. Teaching procedures include lecture, listening, motor and aural exercises, and classroom and individual presentation. Fall.

**1142 DICTION FOR SINGERS II** Required for all BM vocal majors. Pronunciation skills in French, Spanish, English, and Russian. Study of the aural and written phonetic, spelling, and articulation skills necessary to successfully study, perform, or teach the literature of the vocal and choral singing instrument. Teaching procedures include lecture, listening, motor and aural exercises, and classroom and individual presentations. Prerequisite: MUS 1141. Spring.

**2150 STRING CLASS** Required of all BM education instrumental music majors.



**4121, 4221, 4321 WORKSHOP IN MUSIC** Available as an elective for BM majors. Problems in music to be determined by the student(s) enrolled. Maybe taken for 1 to 3 credits. Each instructor determines the method of teaching. On demand.

### [5] Courses in Music (MUS) - Performance

**11B1-41B8 UNIVERSITY BAND** 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 UNIVERSITY SINGERS** Choral singing group open to all non-majors as an elective. Performs a variety of choral literature for all eras and serves to acquaint the singers with many vocal styles and forms and is presented through rehearsals twice weekly. Prerequisite: Consent of the conductor. Fall, spring.

**11F1-41F8 CONCERT CHOIR** Open to all students, by audition only. Performs choral literature from all eras and serves to acquaint all singers with the myriad of vocal styles and forms and is presented through daily rehearsals. Prerequisite: Audition for the conductor. Fall, spring.

**11H1-41H8 BRASS CHOIR** A select ensemble of brass and percussion players available to BM scholarship students as a small ensemble requirement. Open to all other students as a small ensemble elective. 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 AND DIXIELAND BAND** A select ensemble of performers available to BM scholarship students as a small ensemble requirement. Open to all students as a small ensemble elective via auditions during the first week of classes. Music in varied jazz styles will be rehearsed and performed during the semester. Fall, spring.

**11M1-41M8 CHAMBER MUSIC** Small ensemble requirement for all music scholarship students beyond their first semester of study. Available by audition to other BM performance majors as an elective. Introduces students to repertoire of small keyboard, vocal, and instrumental ensembles, along with ensemble playing, interpretation, rehearsing, and coaching techniques. Selected chamber music, appropriate to performance levels of participants, is used. Small groups will rehearse two hours per week before coaching with the instructor. Prerequisite: Consent of the instructor. Fall, spring.

**11S1-41S8 UNIVERSITY SYMPHONY** Large ensemble requirement for all BM string majors and minors. Also open as a large ensemble elective for other string, woodwind, brass, and percussion players who qualify by audition. Rehearses five hours per week. Specific rehearsal schedule is rotated with the Conway Symphony Orchestra. Fall, spring.

**1151 ACCOMPANYING** Small ensemble requirement for all BM performance keyboard majors and BM education piano emphasis majors who are on scholarship.

Open as a small ensemble elective to all other keyboard students with the consent of the professor. Three hours per week of studio accompanying. Fall, spring.

**3110, 3111 OPERA WORKSHOP I AND II** Small ensemble requirement for all BM performance vocal majors on scholarship. Available as a small ensemble elective to all other vocal students, majors and non-majors. Introduces students to the media of opera by preparing a complete opera or several opera scenes. Teaches students how to prepare a musical role from both the musical and acting perspectives. Aids in the development of stage techniques that a student can use both as a performer and as a music educator. Taught as a workshop culminating in a public production with orchestra when possible. Prerequisite: Discretion of the professor and the voice teacher of the student.

**4102 SENIOR RECITAL** 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 programs prepared by the student. The applied studies and approval of the applied education, majors and minors substitute a senior project that the student





**[2.1.2] Major Emphasis in Speech Communication (40 hours)**

In addition to university requirements, students will be required to take SPCH 1310, 2302 or 3312, 2310 or 2311, 2315, 2341, 3301 or 3307, 4301, and 15 hours of electives from SPCH 1131, 2302, 2310, 2311, 3300, 3301, 3303, 3307, 3312, 3392, 4311, 4316. In addition, students are required to complete at least four one-hour courses in communication applications at the appropriate level.

**[2.1.3] Minor in Speech Communication (26 hours)**

Students seeking a minor in speech are required to complete SPCH 1310, 2310 or

SPCH 2310 or 2311, 2315, 2341, 3301 or 3307, 4301, and 15 hours of electives from SPCH 1131, 2302, 2310, 2311, 3300, 3301, 3303, 3307, 3312, 3392, 4311, 4316. In addition, students are required to complete at least four one-hour courses in communication applications at the appropriate level.

Students seeking a minor in speech are required to complete SPCH 1310, 2310 or SPCH 2310 or 2311, 2315, 2341, 3301 or 3307, 4301, and 15 hours of electives from SPCH 1131, 2302, 2310, 2311, 3300, 3301, 3303, 3307, 3312, 3392, 4311, 4316. In addition, students are required to complete at least four one-hour courses in communication applications at the appropriate level.





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### WRITING AND SPEECH

#### [1] Courses in Writing (WRTG)

**1310 INTRODUCTION TO COLLEGE WRITING** Part of the general education program and required of all students during the first semester they are eligible to enroll. This course introduces students to the writing process, focusing on audience, invention, and arrangement, and will be conducted as a workshop. Prerequisite: ACT score of 19 or higher or completion of UNIV 1300 with a grade of C or higher. Fall, spring summer.

**1320 ACADEMIC WRITING AND RESEARCH** Part of the general education program and required of all students during the first semester they are eligible to enroll. The course introduces students to academic argument based on substantiation, evaluating, and proposing claims. Research strategies are central to the course, which will be conducted as a workshop. Prerequisite: WRTG 1310 with a grade of C or higher. Fall, spring summer,

**2310 INTRODUCTION TO CREATIVE WRITING** This course is designed to provide students the opportunity to study through their own writing the four major genres of creative writing: fiction, poetry, creative nonfiction, and playwriting/screenwriting. Through guided reading and writing assignments, students will learn the basic elements of each of these genres and will be given the opportunity to practice in all of these forms. Lectures will cover all genres; workshop genres will be determined by individual preferences and instructor's area of expertise. Some class time will be devoted to workshops, invention exercises, and marketing strategies. Prerequisite: WRTG 1320. Fall, spring.

**2315 INTRODUCTION TO DRAMATIC WRITING** This course will introduce students to the theory and practice of the literary art of scriptwriting. The course will address aspects of both playwriting and screenwriting. Students will be expected to practice the different scriptwriting forms being studied, and to submit a portfolio of original scripts/scenes at the end of the course. The course is taught as a workshop. Prerequisites: WRTG 1310 and 1320. Every third semester.

**2320 INTRODUCTION TO LINGUISTICS** This course will cover a variety of topics useful to any language-related course of study. Areas covered include sound structure, word structure, and sentence structure; meaning and function of language; language and culture; language and thought; linguistic variation; history of writing systems; and language acquisition. Prerequisite: WRTG 1320. Fall, spring.

**2350 WORLD LANGUAGES** An introduction to world languages from geographical, historical, social, and psychological perspectives. Emphasis on the diversity in the world's verbal communication systems as well as the universal aspects underlying all human symbolic behavior. Basic introduction to language structure,

phonetics/phonology, morphology, syntax, semantics and pragmatics. Once a year.

**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 given to student's writing preferences and some time will be devoted to workshops and invention. Prerequisite: WRTG 2310 or consent of instructor. 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. Prerequisite: WRTG 1320. Fall, spring summer.

**3305 WRITING FOR NEW TECHNOLOGIES** (formerly Advance Composition) Upper-division workshop course for writing majors and minors and students in other programs. Focuses on academic and professional forms of writing. Student will use advanced strategies for print and electronic writing and examine how to shape the composition process for specific writing tasks and purposes. Prerequisite: WRTG 1320. 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. Prerequisite: WRTG 1320 and at least junior standing. Fall, spring.

**3315 PRACTICUM IN THE WRITING LABORATORY** Training course for Writing Lab tutors. Exposure to rhetorical and linguistic concepts that enhance the teaching of composition. Prerequisites: WRTG 1320 and consent of the instructor. Spring.

**3320 FORMS OF SCRIPTWRITING** Comprehensive examination of the formal elements of the literary art of scriptwriting. The course will address aspects of both playwriting (stage design, script format, contemporary dramatic theory, and technical considerations) and screenwriting (cinematic narration, script format, contemporary film theory, and technical considerations). The course is taught as a workshop. Prerequisites: WRTG 1310, 1320, and 2310. Every third semester.



Occupational Therapy, and Physical Therapy)  
Interior Design  
Kinesiology  
Medical Technology  
Nuclear Medicine Technology  
Nutrition/Dietetics  
Radiography  
Speech-Language Pathology

### **[3.3] Bachelor of Science in Education**

Family and Consumer Sciences Education  
Kinesiology and Physical Education

### **[3.4] Bachelor of Science in Nursing**

### **[3.5] 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 (entry-level and advanced)  
Physical Therapy (entry level and advanced)  
Speech-Language Pathology

### **[3.6] Master of Science in Nursing**

(including advanced nursing practice)

### **[3.7] Doctoral Degrees**

Doctor of Physical Therapy (DPT) (entry-level and advanced)  
Doctor of Philosophy in Physical Therapy (PhD)

### **[3.8] Non-Degree Programs**

Pre-Cardio Respiratory Care  
Pre-Dental Hygiene  
Military Science

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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Document Number 3.04.02

### **FAMILY AND CONSUMER SCIENCES**

**Chair and Professor:** Dr. Harlan, 450-5959

**Associate Professor:** Dr. Shock

**Instructors:** Ms. Bennett, Ms. Coffman, Ms. Crook, Ms. Johnson, Ms. Ryburn, Ms. Whitehead

#### **[1] Purposes**

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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, healthcare facilities, industry, government, community agencies, and other organizations.

The focus of family and consumer sciences is on the individual, the family, and the interaction 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.

The Bachelor of Science 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. Licensure for teaching family and consumer sciences in secondary schools is earned with the BSE degree.

The Master of Science degree in family and consumer sciences has three

**[3.1] 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 component, (2) degree requirements, (3) family and consumer sciences requirements, and (4) supporting requirements. No minor is required.

**[3.1.1] Dietetics Specialization (47 hours)**

The Didactic Program in Dietetics (DPD) at the University of Central Arkansas is accredited by the Commission on Accreditation of the American Dietetic Association.

**Major requirements:**

Follow this link for FACS - Textiles and Clothing course descriptions: [course link](#).

**[6.3] Child and Family Life Courses**

Follow this link for FACS - Child and Family Life course descriptions: [course link](#).

**[6.4] Consumer Education and Resource Management Courses**

Follow this link for FACS - Consumer Education and Resource Management course descriptions: [course link](#).

**[6.5] Family and Consumer Sciences Education**

Follow this link for FACS - Family and Consumer Sciences Education course descriptions: [course link](#).

**[6.6] Interior Design Courses**

Follow this link for FACS - Interior Design course descriptions: [course link](#).

**[6.7] General Courses**

Follow this link for FACS - General course descriptions: [course link](#).

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### FAMILY AND CONSUMER SCIENCES

Return to [Family and Consumer Sciences](#)

#### **[1] Courses in Family and Consumer Sciences (FACS) - Nutrition and Food Sciences**

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##### **1300 NUTRITION IN THE LIFE CYCLE**



**4321 NUTRITIONAL SERVICES ADMINISTRATION** A required course for the dietetic major. The course focus is on food service operations relating to management principles, methods of control, sanitation, and safety and training of food service personnel. Lecture. Prerequisite: FACS 3380. Spring.

**4325 MEDICAL NUTRITION THERAPY I** A required course for the dietetic major . A study of nutrition as a medical specialty from the perspective of disease prevention and treatment, including nutritional assessment, patient interviewing strategies, medical terminology, and charting techniques. Lecture and laboratory. Prerequisite: FACS 3370, CHEM 2450, and BIOL 2405. Fall.

on curriculum development, planning and assessment in Family and Consumer Sciences programs. The course also examines student organizations, public relations and community involvement programs as an important component of the secondary curriculum. Lecture/discussion. Prerequisite: Admission to teacher education. Fall, spring.

**4350 INTERNSHIP I** Internship I is part of the senior block for candidates in secondary education. The internship occurs in appropriate public school settings where the candidates gain experience in organizing instruction, in creating a productive learning environment, in teaching for student learning, and in achieving professional behaviors.

**4680, 4681 INTERNSHIP II** The Internship II courses comprise the final semester of work in the Teacher Education Program. The internships are conducted in public schools in sites and grade levels appropriate to the desired licensure level. Candidates work under the supervision of public school and university professionals.

#### [6] Courses in Family and Consumer Sciences (FACS) - Interior Design

**2390 INTRODUCTION TO INTERIOR DESIGN** A required course for the interior design and general FACS major. The course will include application of design fundamentals to elementary problems of interior design. Lecture with studio assignments. Fall, spring.

**2391 INTERIOR DESIGN STUDIO** A required course for the interior design major. A studio course for the exploration and application of design methodology to interior environments. Studio. Prerequisite: FACS 2390 with grade of C or better or consent of instructor. Fall, spring.

**2392 INTERIOR DESIGN DRAWING AND RENDERING** A required course for interior design majors. A studio course in media application for the interior design process. Studio. Prerequisite: FACS 2391 with grade of C or better. Fall.

**3300 HOME PLANNING** A required course for interior design and general FACS majors. The course includes a study of architectural styles, planning of a home, and analysis of environmental and economic resources. Lecture/discussion. Spring.

**3305 INTERIOR LIGHTING AND CODES** A required course for the interior design major. The course includes an analysis and application of lighting standards and codes necessary for programming, problem solving, and space planning of interior spaces. Lecture/discussion with studio applications. Prerequisite: FACS 2391 with grade of C or better. Fall.

**3315 RESIDENTIAL INTERIOR DESIGN** A required course for the interior design major. The course includes advanced studies in residential design layouts, applied advanced design methodology, and design communication. Studio. Prerequisite: FACS 3335 with a grade of C or better. Fall.

**3325 COMMERCIAL INTERIOR DESIGN** A required course for the interior design major. The course includes studies in commercial and business furniture selection

and arrangement, textiles, accessories, space distribution, cost estimating, programming, post-occupancy evaluation, and applied graphic communication. Studio. Prerequisite: FACS 3315 with a grade of C or better. Fall, spring.

**3335 DESIGN COMMUNICATION** A required course for the interior design major. The course includes media and techniques of graphic communication as an aid to the interior design process. Studio. Prerequisite: FACS 2391 with grade of C or better. Fall.

**3340 HISTORY OF FURNITURE I** A required course for interior design majors. The course includes a comparative analysis of interiors and their furnishings as related to the development of Western civilization (Ancient-Victorian). Lecture. Prerequisite: FACS 2390 with grade of C or better. Fall.

**3341 HISTORY OF FURNITURE II** A required course for interior design majors. The course includes a comparative study of the modern movement including interiors, furnishings, and their designers (1850-present). Lecture. Prerequisite: FACS 3340 with grade of C or better. Spring.

**3365 INTRO TO CAD DRAFTING** A required course for interior design majors. AutoCAD commands are introduced through interior design and space planning exercises. Prerequisite: FACS 2391 with a grade of C or better. Fall, spring.

**3375 ARCHITECTURAL DRAFTING** A required course for interior design majors. A continuation of AutoCAD commands for interior design and space planning exercises. Prerequisite: FACS 3365 with a grade of C or better. Fall, spring.

**4305 ADVANCED INTERIOR DESIGN STUDIO** A required course for interior design majors. Includes 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. Studio. Prerequisite: FACS 3325 with grade of C or better. Fall, spring.

**4320 INTERIOR DESIGN SENIOR SEMINAR** A required course for interior design majors. The course is an in-depth study of the interior design profession and its relationship to other design professions. Workshop. Prerequisite: FACS 3325 with a grade of C or better. Spring.

#### [7] Courses in Family and Consumer Sciences (FACS) - General

**3173 SPECIAL PROBLEMS IN FAMILY AND CONSUMER SCIENCES** An elective course for all areas of FACS. Individual work under supervision in any one of the specialization areas of family and consumer sciences. Workshop or directed observation. Fall, spring.

**4301 RESEARCH IN FAMILY AND CONSUMER SCIENCES** A required course for the dietetic major. The course includes a study of techniques for problem design, analysis, and evaluation in one of the specialization areas of family and consumer sciences. Workshop. Prerequisite: Senior standing. Fall, spring.

**4600 INTERNSHIP** A required course for the interior design major and an elective for other FACS specialization areas. The course is an internship experience in family and consumer sciences under professional and educational supervision. Internship. Prerequisite: Senior standing and consent of department chair. Fall, spring, summer.

**4130, 4230, 4330 WORKSHOP** An elective course for any specialization area in FACS. Workshops are planned and conducted to cover varying areas of interests and needs. Prerequisite: Senior standing. On demand.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### HEALTH SCIENCES

**Chair and Professor:** Dr. Fox, 450-3194  
**Professors:** Dr. Hubbard, Dr. Lammers  
**Associate Professors:** Dr. Lewers, Dr. Pierce, Dr. Rainey  
**Assistant Professor:** Dr. Gliemi  
**Instructor:** Ms. Taylor

#### [1] Purposes

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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.

#### [2] Baccalaureate Degrees

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##### [2.1] Bachelor of Science in Community Health

The Bachelor of Science degree with a major in community health education requires successno(or ) Tm0 0 0 scn10 1 Tf0 -7.559Ts 1 Tf0 -7.55f0 -2.382BLu Tc0bu1,Tf02clu 5.6mmu3gB2-0.0

**Related Requirements** (11 hours): BIOL 2405, 2411, MKTG 4360 or 4361.

**[2.1.3] Health Occupations Option**

**Health Education Requirements** (31 hours): H ED 3300, 3305; H SC, 4210, 4600; 12 hours to be approved by major advisor.

**Related Requirements** (17 hours): BIOL 2405, 2411, and 9 hours selected with consent of advisor.

**[2.1.4] Minor in Health Education**

This minor is coupled with the P-8, 7-12 bachelor of science kinesiology and physical education major. For more information, contact the chair of the Department of Health Sciences (450-3194) or of the Department of Kinesiology and Physical Education (450-3148).

**Health Education Requirements** (23 hours): H ED 2201, 2320, 3300, 3301, 3305, 4303, 4312, 4331.

**Related Requirements** (8 hours): BIOL 2405, 2411.

**[2.2] Bachelor of Science in Education**

This program of study is no longer available. See the BSE degree with a KPED major and HED minor.

**[2.3] Bachelor of Science in Health Sciences**

Degree requirements include successful completion of a minimum of 124 hours, including (1) the general education component, (2) degree requirements, (3) the

See *Graduate Bulletin*.

**[4] Courses in Health Education (H ED)**

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Follow this link for H ED course descriptions: [course link](#).

**[5] Courses in Health Sciences (H SC)**

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Follow this link for H SC course descriptions: [course link](#).

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**3300 METHODS AND MATERIALS** Core course for BS in health education. Techniques, resources, and references used in health education programs. Lecture/discussion, projects. Prerequisite: H ED 1320 or 2200. Fall, spring.

**3301 THEORETICAL BASES OF HEALTH EDUCATION** Core course for BS in health education. Principles and foundations of selected disciplines that contribute to health education. Lecture/discussion. Prerequisite H ED 1320 or 2200. Fall, spring.

**3302 THE ELEMENTARY SCHOOL HEALTH PROGRAM** Elective. Preparation of elementary teachers and/or school health coordinators for appropriate roles in the school health program. Lecture/discussion, projects. Prerequisite H ED 1320 or 2200. On demand.

**3305 HUMAN SEXUALITY** Elective. Physical, psychological, and social factors involved in human sexual behavior. Lecture/discussion. Prerequisite H ED 1320 or 2200. Fall, spring.

**3310 FUNDAMENTALS OF OCCUPATIONAL HEALTH** Elective. Recognition, evaluation, and control of variables affecting environmental health in the workplace. Lecture/discussion. Prerequisite: Junior standing or consent of instructor. On demand.

**3315 THEORY AND PRACTICE OF PREVENTION** Core for BS in health education, emphasis in prevention and BS in health sciences, emphasis in health services administration. Develops competencies in theory/practice of prevention. Lecture/discussion, projects. Fall.

**3320 EPIDEMIOLOGICAL RESEARCH** Core for BS in health education. Special emphasis on application of basic concepts and principles of epidemiology and research. Lecture/discussion, projects. Fall, spring.

**4300 COMMUNITY HEALTH** Core for BS in health education. Resources and programs designed to meet community health needs. Lecture/discussion, projects. Spring.

**4301 HEALTH EDUCATION IN THE MEDICAL CARE SETTING** Core for BS health sciences, emphasis in health services administration. Application of principles and theories of individual and group education in a medical care setting. Lecture/discussion, projects. Spring.

**4302 HEALTH EDUCATION IN THE WORKSITE** Elective. Planning, implementing, and evaluating health promotion programs in the worksite. Lecture/discussion, projects. Spring.

**4303 ENVIRONMENTAL HEALTH PROBLEMS** Elective. Environmental health issues that influence human health. Lecture/discussion, projects. Fall, spring.

**4310 HEALTH CONCERNS OF THE AGING** Elective. Physiological, psychological, intellectual, social and spiritual dimensions of health for the aging are addressed.

**4312 DRUG EDUCATION** Elective. An overview of the major drugs of use and abuse and their effects on the individual, family, and society. This course emphasizes educational strategies that address prevention of the problems created by drug abuse. Fall, spring, summer.

**4331 PROGRAM PLANNING AND EVALUATION** Core for BS in health education. Theories and models are applied in diagnosis, planning, implementation, and evaluation of health education programs. Lecture/discussion, projects. Fall, spring.

**4343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS** Required for selected majors in College of Health and Applied Sciences. Acquaints students with parameters of various ethnic groups, integrates health programs into ethnic environments, and promotes the application of research skills in selected populations. Lecture/discussion. Cross listed with SOC 4343. Students will receive

needed to cope with the health care system with confidence and competence. Social, psychological, political, and economical factors that influence women's health are addressed. Lecture/discussion, projects. Fall, spring.

**4396 CONTEMPORARY HEALTH CONCERNS: MEN** Elective. Focuses on preventive health practices unique to men and application of self-help skills needed to cope with the health care system with confidence and competence. Social, psychological, political, and economic factors that influence men's health are addressed. Lecture/discussion, projects. Fall, spring.

**4600 HEALTH SCIENCES INTERNSHIP** Core for BS in health education and BS in health sciences, emphasis in health services administration. Directed field experiences provided in community health agencies and medical related settings. Projects. Fall, spring, summer.

**2101, 2202, 2302 WORKSHOP IN HEALTH EDUCATION** Elective. Specific topics dealing with current issues and problems in health education. Lecture/discussion, projects. On demand in summer.

**4414, 4214, 4314 WORKSHOP IN HEALTH EDUCATION** Elective. Specific topics dealing with current issues and problems in health education. Lecture/discussion, projects. On demand.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### HEALTH SCIENCES

Return to [Health Sciences](#)

#### [1] Courses in Health Sciences (H SC)

**3123 MEDICAL TERMINOLOGY** Required for the BS in health sciences, emphasis in health services administration. Fundamentals of medical etymology and abbreviations as a basis for building a professional vocabulary. Independent study. Fall, spring.

**4210 PRINCIPLES OF PATIENT CARE** Elective. Psychological and sociological aspects of disability. Lecture/discussion. On demand.

**4305 TECHNOLOGY APPLICATIONS IN THE HEALTH SCIENCES** Elective. Explores computer-assisted health instruction/training; computerized health assessments; health promotion and the Internet; common uses of spreadsheets, databases, presentation, and desktop publishing software. Lecture/discussion, projects. Fall, spring.

**4310 FUNCTIONAL NEUROANATOMY** Required for BS in health sciences, emphasis in physical therapy. Structure and function of the peripheral, central, and autonomic nervous systems, including laboratory study of specimens of the human brain and spinal cord. Emphasis on the application of principles to clinical problems. Lecture. Prerequisite: consent of instructor. Fall, spring.

**4400 GROSS ANATOMY** Required for BS in health sciences, emphasis in

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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Document Number 3.04.04

### **KINESIOLOGY AND PHYSICAL EDUCATION**

**Chair and Associate Professor:** Dr. Howell, 450-3148

**Professors:** Dr. Hattlestad, Dr. Titlow

**Associate Professor:** Dr. Humphries

**Assistant Professors:** Dr. Kendrick

**Instructors:**



showcase portfolio are listed on-line on the athletic training home page at [www.edu/divisions/academic/kped/index2.html](http://www.edu/divisions/academic/kped/index2.html)

**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 courses: KPED 1125 or 1135. The student must take the related course in order to earn 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 to identify the areas that are deficient. A proficiency must be earned in conjunction with the course or within a maximum of one calendar year following successful completion of the course.

#### **[4] Master's Degree Program**

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See *Graduate Bulletin*.

#### **[5] Courses Offered by the Department of Kinesiology and Physical Education**

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Follow these links to course descriptions:

- [Activity Courses](#) (KPED)
- [Courses in Kinesiology and Physical Education](#) (KPED)

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
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### **KINESIOLOGY AND PHYSICAL EDUCATION (BSE)**

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following documentation to Chair of the Kinesiology and Physical Education within the designated deadlines established by the university, college and/or department. For a list of critical dates established by the university (see <http://www2.uca.edu/schedule/html/academiccalendar.php>)

- B. Application for graduation by the university established deadline.
- C. Passing score on the showcase portfolio. Deadlines for submission and completion are listed [below](#).

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.04.04.02

### KINESIOLOGY AND PHYSICAL EDUCATION (BS)

#### [1] Bachelor of Science in Kinesiology and Physical Education

Students interested in teacher licensure with this degree should contact the chair of the Department of Kinesiology and Physical Education.

The degree of Bachelor of Science with a major in kinesiology and physical education (P-8 and 7-12) requires successful completion of a minimum of 133 hours, including (1) the general education component, (2) the degree component, and (3) a 23-hour required minor in health education with an emphasis in P-8 and 7-12 school health (see the [Health Sciences](#) section in this bulletin). The minor is under the direction of the student's minor advisor. General education courses do not count toward the required hours for the major. A grade of C or better is required in all kinesiology courses. This is a selective admissions program.

#### [1.1] Major in P-8 and 7-12 Physical Education

**KPED core curriculum** (17 hours): KPED 2381, 3382, 4230, 4300, 4320, and 4395.

P-8, 7-12 Major Requirements (36 hours): KPED 2203, 2223, 2250, 2300, 2340, 3316, 3330, 3331, 3363, 4310, 4380; 4 hours selected from the following courses KPED 2212, 2215 or 2216, 2222, 2224, 2225, 2226, or 3200. Please note proficiency requirements: [BS proficiency link](#).

**Coaching Requirements** (2 hours): One coaching course selected from KPED 3210, 3211, 3212, 3213, or 3214. Recommended elective courses for prospective coaches are KPED 2395, 3315, 3240, and 4351.

**Admission:** Admission to the Kinesiology and Physical Education (KPE) program is required for enrollment in designated upper-division professional kinesiology and physical education courses.

#### [1.2] Admission Requirements

The following minimum requirements must be met for admission to the KPE program:

- Completion of an Application for Admission. This form may be obtained from the Kinesiology and Physical Education Departmental Office, Room 102 in the Farris Center.
- A cumulative 2.5 GPA on all coursework attempted. Prior to admission, transfer students with no previous coursework at UCA must also establish a 2.5 GPA in a minimum of twelve (12) semester hours.
- Completion of 31 hours of pre-requisite courses BIOL 1400 or 1410, MATH 1390 or

- higher, HED 2201, KPED 1320, 2250, 2300, 2381 and two hours selected from KPED 1125 and 1135 or KPED 2212, 2213, 2214, 2215, 2216, 2222, 2224, 2225 and 2226, SPCH 1300, WRTG 1310 and 1320, with no grade less than a C.
- Completion of the PRAXIS I Pre-Professional Skills Test (PPST) according to the following minimum scores: PPST Reading 172; PPST Math 171; PPST Writing 173. Students are advised to take the Praxis I during the first year of enrollment. Admission to the program will be delayed until minimum scores on each section are achieved.
  - Completion of forty-five (45) semester hours (or in process).
  - Submission of two recommendations for admission from UCA KPED and/or HED faculty (one recommendation must be completed by the instructor of KPED 2300).
  - Completion of the developmental portfolio (see [BS portfolio link](#) for further information regarding the developmental portfolio; for submission deadlines see [below](#)).
  - Successful completion of the fitness test (see [BS fitness link](#) for further information regarding the test; for testing deadlines see [below](#)).
  - Completion of a writing sample. Students must contact the UCA Writing Center to complete the writing sample, which will be forwarded to the Chair of the Kinesiology and Physical Education Department. The student's major area faculty will assess the writing sample. At the discretion of the major area faculty, a student may submit a second writing sample for assessment. For writing sample submission deadlines see [below](#).
  - Student interview by major area faculty with recommendation for admission. Students will register for the interview in the Kinesiology and Physical Education Departmental Office located in Farris Center Room 102. Items A-I will be forwarded to two major area faculty prior to the interview dates established by the department. Interview registration deadlines are listed [below](#).

#### [1.3] Deadlines for Completion of Departmental Requirements

The Department of Kinesiology and Physical Education will observe the following deadlines for the application process. Students are encouraged to submit all requirements for admission prior to the established deadlines.

October 1	Final date for submission of the writing sample and interview registration for students seeking admission for the following spring semester.
November 1	Final date for completion of items A-G (from the list of admission requirements) for students seeking full admission to the KPE program the following spring; and final date for submission of the showcase portfolio for students seeking to graduate in December.
December 2	Final date for the successful completion of the fitness test and developmental portfolio for students seeking admission to the KPE program for the following spring; and final date for successful completion of the showcase portfolio for students seeking to graduate in December.
December 10	Final date for the completion of the program exit survey and exit interview for students seeking to graduate in December; and final date for submission of Praxis II test scores for students seeking to graduate in May.
February 15	Final date for submission of the writing sample and interview registration for students seeking admission for the summer or fall semester.
March 15	Final date for completion of items A-G (from the list of admission requirements) for students seeking full admission to the KPE program (summer or fall), final date for submission of the developmental portfolio for students seeking admission to KPE Program (summer or fall); and final date for submission of the showcase portfolio for students seeking to graduate in May.

**[1.4] Program Exit Requirements**

Students must complete the following requirements and submit the following

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
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### **KINESIOLOGY AND PHYSICAL EDUCATION (COACHING)**

#### **[1] Coaching Program of Study**

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To be eligible to apply for coaching licensure the following requirements must be met:

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.04.04.05

### KINESIOLOGY AND PHYSICAL EDUCATION (ATHLETIC TRAINING)

#### [1] Bachelor of Science in Athletic Training

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##### [1.1] The Athletic Training Profession

Athletic training is one of the nation's emerging allied health care fields and is recognized by the American Medical Association (AMA). An athletic trainer is educated and experienced in the prevention, treatment and management of the health care needs of physically active individuals. In cooperation with physicians and other allied health care personnel, the athletic trainer functions as an integral member of the health care team in professional, collegiate, high school, and clinical settings.

##### [1.2] The Athletic Training Education Program (ATEP)

The ATEP faculty are committed to providing students with a quality education. The curriculum is competency-based and developed in a purposeful sequence. In addition to prescribed courses, students complete five semesters of continuous clinical education. Students' clinical study is performed under the careful direction and supervision of approved clinical education faculty. Upon successful completion of the program students are awarded a Bachelor of Science degree in Athletic Training and are eligible to sit for National Athletic Trainers' Association Board of Certification (NATABOC) examination.

##### [1.3] Program Accreditation

The Joint Review Committee in Athletic Training (JRC-AT) has approved candidacy status for the athletic training education program. Candidacy does not guarantee accreditation. The program anticipates submission of the self-study to the JRC-AT by September 2002. Submission of the document does not guarantee that the program will be accredited by the time students complete the program. Note: until accreditation is achieved, students must accrue a minimum of 1500 clinical hours in no less than five semesters to be eligible for the NATABOC examination.

##### [1.4] ATEP Requirements

The degree of Bachelor of Science with a major in athletic training requires

requirements: (a) successful completion of a performance assessment on two basic

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### KINESIOLOGY AND PHYSICAL EDUCATION (COURSES)

#### [1] Activity Courses (KPED)

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The Department of Kinesiology and Physical Education offers activity courses that meet three hours per week for half of the semester and carry one semester hour of credit. The courses are organized into five categories: dance, lifetime fitness, aquatics, outdoor leisure pursuits, and sports and games. Letter grades are based on physical, cognitive, and psychosocial behaviors demonstrated by students. Activity courses are designed to (1) offer regulated and supervised activities to improve and maintain physical fitness and sports skills, (2) teach activities that may serve as lifetime sports and recreation during leisure time, and (3) develop a positive attitude toward the need for and benefits of a physically active life.

#### [1.1] Dance

**1100 BEGINNING BALLROOM DANCE** An elective kinesiology and physical education course. Students are introduced to the basic skills and techniques of the fox trot, waltz, cha cha, swing, and tango. Activity and lecture. On demand.

**1102 SQUARE DANCE** An elective kinesiology and physical education course. Students are introduced to the basic skills and techniques of square dance. Activity and lecture. On demand.

#### [1.2] Lifetime Fitness

**1104 AEROBIC DANCE** An elective kinesiology and physical education course. Students will be introduced to the basic physiological principles associated with aerobic step training and interval training. Activity and lecture. On demand.

**1105 ADVANCED AEROBIC DANCE** An elective kinesiology and physical education course. 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. On demand.





## UCA UNDERGRADUATE BULLETIN 2002-2004

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### KINESIOLOGY AND PHYSICAL EDUCATION

#### [1] Courses in Kinesiology and Physical Education (KPED)

**1320 CONCEPTS OF LIFETIME HEALTH AND FITNESS** A required general education health studies course designed to help students adopt and maintain the behaviors associated with an active and healthy lifestyle. The course uses a team-teaching approach between the Department of Kinesiology and Physical Education and the Department of Health Sciences. Primary methods of instruction include lecture/discussion, interactive video, student participation in a health-risk appraisal, a behavior-change project, journal writing, fitness-assessment laboratories, a fitness prescription and implementation, and required participation in a variety of physical activities. Students with disabilities limiting or excluding participation in physical activities should contact the Office of Disability Support Services and enroll in KPED 1191 and HED 2200 under the guidance of their advisor. To earn a passing grade for this course, students must earn a passing grade in both the health and fitness sections. Fall, spring.

**1350 INTRODUCTION TO ATHLETIC TRAINING** A prerequisite course required of all students considering athletic training as a major and career. This course introduces athletic training as a profession, outlines its history and the role of the National Athletic Trainers' Association (NATA), and exposes students to the professional preparation of athletic trainers and their role as health care professionals. In weekly laboratories and athletic training room observation, students will learn the basis of organization, prevention, recognition, care and rehabilitation of athletic injuries and illnesses. Lecture, discussion, laboratory, and required athletic training room observations. Prerequisite: BIOL 1400 or 1440 with a C or better.

**2201 BASIC RHYTHMICS** A course required of kinesiology and physical education majors. This course introduces students to the development of sequential fundamental movement patterns, creative rhythms, singing games, basic folk, round, and square dance. Lecture, activity, micro-teaches, and a required 15-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**2203 GAMES FOR ELEMENTARY GRADES** A course required of kinesiology and physical education majors. This course introduces students to the sequential development of individual and group game skills through drills, relays, line, circle, tag, lead-up, and classroom games. Lecture, activity, and a required 15-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**Note:** Proficiencies are earned in the teaching courses KPED 2212, 2213, 2214, 2215 or 2216, 2222, 2223, 2224, 2225, 2226, 2227, 2228, and 2229. Refer to proficiency requirements outlined for each degree program and emphasis.

**2212 TEACHING BOWLING AND GOLF** An elective individual-sport course for kinesiology and physical education majors. Course content is presented in two half-term sessions. The course emphasizes the rules, skills, and strategies used to participate in and teach bowling and golf. Lecture, activity, micro-teaches, and a 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**2213 TEACHING ARCHERY AND BADMINTON** An elective individual-sport course for kinesiology and physical education majors. Course content is presented in two half-term sessions. The course emphasizes the rules, skills, and strategies used to participate in and teach archery and badminton. Lecture, activity, micro-teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand. Spring.

**2214 TEACHING TENNIS**

kinesiology and physical education majors and athletic training majors. Course content is presented in two half-term sessions. This course emphasizes the rules, skills, and strategies used to participate in and teach soccer and basketball. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. Fall.

**2226 TEACHING VOLLEYBALL AND TRACK AND FIELD** An elective team-sport course for kinesiology and physical education majors and athletic training majors. Course content is presented in two half-term sessions. The course emphasizes the rules, skills, and strategies used to participate in and teach volleyball and track and field. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. Spring.

**2227 TEACHING ROUND AND FOLK DANCE** An elective course of kinesiology and physical education majors. Course content is presented in two half-term sessions. The course emphasizes the history and fundamentals of round and folk dancing from various countries as well as instruction and practice in the techniques of teaching dance in educational, commercial and recreational settings. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**2228 TEACHING SQUARE DANCE** An elective course for kinesiology and physical education majors. This course emphasizes the history, skills, and techniques of square dancing and the techniques of calling square dance as well as instruction and practice in the techniques of teaching dance in educational, commercial, and recreational settings. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**2229 TEACHING BALLROOM DANCE** An elective course for kinesiology and physical education majors. This course covers the courtesies, techniques, and skills involved in ballroom dance as well as instruction and practice in the techniques of teaching dance in educational, commercial, and recreational settings. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**2250 INTRODUCTION TO DANCE AND RHYTHMICAL ACTIVITIES** A required course for kinesiology and physical education majors. This course provides students with a basic knowledge of several dance genres and rhythmical activities as well as instruction and practice in the techniques of teaching dance in educational, commercial, and recreational settings. Lecture, activity, cooperative learning, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. Fall.

**2300 PRINCIPLES OF KINESIOLOGY AND PHYSICAL EDUCATION** A core course for kinesiology and physical education majors and athletic training majors. This course provides an overview of physical education, exercise science, and athletic training and an examination of historical, biological, psychological, sociological, and curricular foundations impacting the discipline. Lecture, activity, and required professional activities scheduled outside of class meeting times.

Prerequisites: Sophomore classification and major status or consent of instructor. Fall, Spring.

**2322 RECREATION LEADERSHIP** An elective course for kinesiology and physical education majors. This course introduces students to the skills and techniques needed to conduct a variety of school and community recreation activities. Lecture, cooperative learning, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**2340 MOTOR DEVELOPMENT AND LEARNING** A required course for kinesiology and physical education majors. This course emphasizes a lifespan approach to the study of motor development and motor learning. The motor development portion of the course emphasizes theories and task analysis focused on motor skill acquisition. The motor learning and behavior section covers the processes underlying skilled performance, including how skill performances are learned and how to apply the principles of performance and learning in teaching, coaching, and rehabilitation settings. Lecture, laboratory, use of specialized computer software, videotapes, student presentations, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisites: Admission to PETE or KPED program or consent of instructor, Co-requisite KPED 3330. Fall.

**2353 PREVENTION, RECOGNITION AND CARE OF GENERAL MEDICAL PATHOLOGY** A required course for athletic training majors, this course is designed for athletic training students to gain knowledge and experience in managing a variety of medical conditions and disabilities. Students will be introduced to the roles that other medical and allied health personnel play in the referral, management, and treatment of athletes and physically active people. Students will learn the importance of a systematic and thorough assessment process in the management of pathology and disabilities in athletes. Lecture, guest lecture, discussion, laboratory, and required field study experience. Prerequisite: Admission to the athletic training education program. Spring.

**2381 ANATOMICAL KINESIOLOGY** A core course required of kinesiology majors, athletic training majors, and students seeking a coaching endorsement. This course is a directed study of human anatomy with its adaptations to biomechanical principles. In-depth study of the skeletal and articulation system and the muscular and nervous systems along with other key anatomical structures and functions. Lecture and use of anatomical computer software by students. Prerequisite: BIOL 1400 or 1410 with a grade of C or higher. Fall, spring, summer.

**2395 COMPUTER APPLICATIONS IN PHYSICAL EDUCATION AND SPORT** An elective course for kinesiology and physical education majors, athletic training majors, and students seeking a coaching endorsement. This course provides students with the opportunities to develop competency in the selection and use of computer hardware and software pertinent to health and physical education, exercise science, athletic training, coaching, and sport. Lecture and computer laboratory sessions. Laboratory sessions are designed to provide direct experience with keyboard data entry using specialized software as well as the use of peripheral equipment. Prerequisites: Sophomore classification and major status or consent of instructor. On demand.

**3210 COACHING BASEBALL** An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course emphasizes techniques of effective coaching, a study of the fundamentals of baseball, the use of progressive drills, and team development for competitive baseball programs. Lecture, simulations, discussion, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**3211 COACHING FOOTBALL** An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course emphasizes techniques of effective coaching, the use of progressive drills, a study of the basic offensive and defensive formations and patterns, and team development for competitive football programs. Lecture, simulations, discussion, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**3212 COACHING BASKETBALL** An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course emphasizes effective coaching techniques, the use of progressive drills, a study of the basic offensive and defensive patterns, and team development for competitive basketball programs. Lecture, simulations, discussion, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**3213 COACHING TRACK** An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course emphasizes effective coaching techniques, the use of progressive drills, and team development for competitive track and field programs. Lecture, simulations, discussion, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**3214 COACHING VOLLEYBALL AND GYMNASTICS** An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course emphasizes effective coaching techniques, the use of progressive drills, a study of the basic offensive and defensive volleyball patterns, and team development for competitive volleyball and gymnastics. Lecture, simulations, discussion, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**3240 SECONDARY SCHOOL ATHLETIC PROGRAMS** An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course provides fundamental knowledge of the leadership and management skills necessary for the administration of secondary school athletics. Lecture, discussion, guest speakers, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

**3301 ATHLETIC TRAINING CLINICAL EXPERIENCES I** A required course for athletic training majors, this course provides students with knowledge of the care, treatment and rehabilitation of injuries occurring to the lower extremities. Athletic



explore current trends and issues in the profession of athletic training. Students will develop methods for educating others about the profession and disseminating information about injury/illness prevention. Students will gain knowledge regarding the academic preparation, credentialing (certification and licensure) and continuing education needed for the legal and ethical practice of athletic training. Primary methods of instruction include lecture, discussion, and student presentations. Computer applications used in this course. Prerequisite: KPED 4301 with a B or better, KPED 4330 with a C or better. Co-requisite KPED 4327. Spring.

**4320 MEASUREMENT AND EVALUATION IN HUMAN PERFORMANCE A**  
required core course for kinesiology and physical education majors and athletic training majors. This course focuses on the analysis of theoretical and practical







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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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.04.06 (rev. 20021202)

### MILITARY SCIENCE AND LEADERSHIP

**Chair:** Lt Col Frank R. Hall, 450-3145

#### [1] Purposes

The Department of Military Science and Leadership 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.

#### [2] 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 freshmen and sophomore military science courses. (Freshmen 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, \$600 per year for books, and up to \$350 per month (\$250 - freshmen and sophomores, \$300 - juniors, \$350 - seniors, tax free, for ten months during the school year). A limited number of room and board grants are also available.

**Advance Course Students.** Contracted advanced course students receive up to \$3,500 during the school year. The subsistence allowance is paid in addition to the Montgomery GI Bill or other benefits an individual may receive. Additionally, members of the Army Reserve and National Guard may continue to receive their drill pay and are promoted to Sergeant (E-5) for pay purposes while participating in the Simultaneous Membership Program.

### **[3] Basic Course**

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The basic course (taken by freshmen and sophomores) consists of MSL 1101, 1102, 2201, and 2202. MSL 1101 and 1102 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 rappel and other military or survival skills. Basic course students can participate in many activities throughout the year sponsored by the military science department. These activities include rappelling, rifle marksmanship, color guard, ranger challenge team, military ball, field-training exercises, awards ceremony, physical-conditioning programs, and many more. Qualified students may also attend airborne, air assault, or other Army skills schools.

### **[4] Advanced Course**

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The advanced course consists of MILS 3301, 3302, 4301, and 4302 and the five-week National Advanced Leadership Camp between the junior and senior years.

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.

#### **[4.1] Eligibility for the Advanced Course**

To be eligible for the advanced course, a student must meet one of the following:

1. Have completed basic course (two-year program),
2. Have completed the Summer Leader's Training Course at Ft. Knox (five weeks prior to junior year),
3. Have completed three years of high school Junior ROTC experience,
4. Be a veteran, or
5. Be a member of National Guard or Reserve and have 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.

### **[5] Leader's Training Course**

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Leader's Training Course 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. See the military science department for eligibility requirements.

### **[6] Minor in Military Science (18 hours)**

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MSL 3301, 3302, 4301, 4302; HIST 3381; plus 3 hours of electives from one of the following courses: CSCI 1300, 1314, 1470, or higher-level computer science courses.

Prerequisites for acceptance into the military science minor program are

1. Successful completion of the MILS Basic Course (4 semesters) with a military science GPA of 3.00 as a minimum. (Other initial military training may be accepted on a case-by-case basis by the department chair.)
2. Completion of WRTG 1310 (formerly ENGL 1310) or higher-level course and completion of MATH 1360 or higher-level course.

### **[7] Courses in Military Science and Leadership (MSL)**

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#### **[7.1] Basic Courses**

Follow this link for MSL - Basic course descriptions: [course link](#).

#### **[7.2] Advanced Courses**

Follow this link for MSL - Advanced course descriptions: [course link](#).

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### MILITARY SCIENCE AND LEADERSHIP

Return to [Military Science and Leadership](#)

#### [1] Courses in Military Science and Leadership (MSL) - Basic

**1101 FOUNDATIONS OF OFFICERSHIP** Part of the basic course program and required for all students without Junior ROTC credit, basic military training credit, or prior military service. The course examines the unique duties and responsibilities of officers. Students discuss the organization and role of the Army, review basic life skills pertaining to fitness and communication, and analyze Army values and expected ethical behavior. Students are introduced to the leadership development program and small unit tactics in discussion and laboratory. Prerequisite: None. Fall.

**1102 BASIC LEADERSHIP** Part of the basic course program and required for all students without Junior ROTC credit, basic military training credit, or prior military service. The course presents fundamental leadership concepts and doctrine. Students practice basic skills that underlie effective problem solving, apply active listening and feedback skills, examine factors that influence leader and group effectiveness, and examine the officer experience. Students will participate in basic map reading and small group day land navigation in discussion and laboratory. Prerequisite: MSL 1101, equivalent credit, or instructor approval. Spring.

**2201 INDIVIDUAL LEADERSHIP STUDIES** Part of the basic course program and required for all students without Junior ROTC credit, basic military training credit, or prior military service. The course develops knowledge of self, self-confidence, and individual leadership skills. Students develop problem-solving and critical-thinking skills and apply communication, feedback, and conflict-resolution skills. The course further develops leadership theory and techniques discussed in MSL 1102 in discussion and laboratory. Prerequisite: MSL 1102, equivalent credit, or instructor approval. Fall.

**2202 LEADERSHIP AND TEAMWORK** Part of the basic course program and required for all students without Junior ROTC credit, basic military training credit, or prior military service. The course focuses on self-development guided by knowledge of self and group processes. A continuation of MSL 2201, the course challenges current beliefs, knowledge, and skills and provides equivalent preparation for the ROTC National Advanced Leadership Camp as the Leaders Training Course. Students study military tactical missions, planning considerations, and patrol base activities in discussion and laboratory. Prerequisite: MSL 2201, equivalent credit, or instructor approval. Spring.

#### [2] Courses in Military Science and Leadership (MSL) - Advanced

**3301 LEADERSHIP AND PROBLEM SOLVING** Part of the advanced course program and required of all students pursuing a commission in the US Army. The course examines basic skills that underlie effective problem solving. Students analyze the role officers played in the transition of the Army from Vietnam to the 21st Century and review the features and execution of the Leadership Development Plan. Students are placed in leadership positions on campus and in field environments and analyze missions, plan military operations, and execute squad battle drills in laboratory. Emphasis is placed on physical conditioning and stamina. Prerequisite: Completion of all basic courses or equivalent. Fall.

**3302 LEADERSHIP AND ETHICS** Part of the advanced course program and required of all students pursuing a commission in the US Army. The course probes leader responsibilities that foster an ethical command climate. Students develop cadet leadership competencies, prepare for success at the National Advanced Leadership Camp, recognize leader responsibility to accommodate subordinate spiritual needs, and apply principles and techniques of effective written and oral communication. Laboratories include planning and executing tactical missions in a field environment, day and night land navigation, intensive physical training, and leadership evaluation. Prerequisite: MSL 3301. Spring.

**4301 LEADERSHIP AND MANAGEMENT** Part of the advanced course program and required of all students pursuing a commission in the US Army. The course builds on National Advanced Leadership Camp experience to solve organizational and staff problems. Students discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, examine principles of subordinate motivation and organizational change, and apply leadership and problem-solving principles to a complex case study/simulation. Laboratories include mission planning, small unit tactics, and reporting. Prerequisite: MSL 3302. Fall.

**4302 OFFICERSHIP** Part of the advanced course program and required of all students pursuing a commission in the US Army. Capstone course designed to explore topics relevant to second lieutenants entering the Army. Students describe legal aspects of decision making and leadership, analyze Army organization for operations from the tactical to strategic level, assess administrative and logistics management functions, discuss reporting and permanent change of station (PCS) process, perform platoon leader actions, and examine leader responsibilities that foster an ethical command climate. Laboratories include land navigation and small unit tactics. Prerequisite: MSL 4301 or instructor approval. Spring.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### NUCLEAR MEDICINE TECHNOLOGY

**Advisor:** Ms. Deedra D. Smith, 450-5541

#### [1] 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,

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### NUCLEAR MEDICINE TECHNOLOGY

Return to [Nuclear Medicine Technology](#)

#### [1] Courses in Nuclear Medicine Technology (NMT)

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**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 cardiopulmonary resuscitation (CPR) certification, patient transport, ECG monitoring, physical assessment, pharmacology, venipuncture, and IV therapy. Emphasis is placed on skills that are used 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, mathematical 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

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### NURSING

**Chair and Professor:** Dr. Williams, 450-3119

**Professor:** Dr. Bondy

**Associate Professor:** Dr. Koenigseder

**Assistant Professors:** Dr. Lancaster, Dr. Meaux, Dr. Poe, Dr. Stroman

**Instructors:** Ms. Ashcraft, Ms. Galloway, Ms. Gatto, Ms. Hester, Ms. Jenkins, Ms. Justice, Ms. King, Ms. Lefler, Ms. New, Ms. Priddy

#### [1] Purposes

The Department of Nursing is committed to enhancing the health of the public through teaching, scholarship (which includes 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 entry-level professional practice, providing comprehensive nursing care to clients of all age groups in a variety of settings. Graduates have the foundation for graduate study and are prepared for lifelong learning and continued professional development.

#### [2] Baccalaureate Degree Program

The professional program requires a minimum of six full semesters during the last three years of the student's degree studies. It includes both classroom work and clinical learning experiences in a variety of central Arkansas health care agencies, institutions, and communities. Students are responsible for their own transportation to and from clinical experiences.

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). Per state law, Act 1208 of 1999, persons convicted of certain crimes will not be eligible to take the RN licensure examination.

Based on Arkansas State Board of Nursing rules and regulations, eligible students will be allowed to apply to take the Practical Nurse (LPN) licensing examination (NCLEX-PN) after successfully completing the junior year of the major. Per state law, Act 1208 of 1999, persons convicted of certain crimes will not be eligible to take the LPN licensure examination.

#### [3] Articulation/Advanced Placement

LPN/LPTN to BSN, RN to BSN, and RN to MSN tracks are available for students

already licensed to practice nursing based on the Arkansas Nursing Articulation Model. Contact the Department of Nursing for information.

#### [4] 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 3.5 and a major GPA of 3.7. The honors program offers opportunities to explore special interests in nursing through an independent project. On successful completion of the honors project, the student is eligible to graduate with honors in nursing. If final GPA meets university requirements, this distinction is noted on the student's transcript and diploma and is recognized at commencement. See bulletin section Recognition of Academic Achievement for more information.

#### [5] Master's Degree

See *Graduate Bulletin*.

#### [6] Accreditation Status

The baccalaureate and master's programs are approved by the Arkansas State Board of Nursing, accredited by the National League for Nursing Accrediting Commission, and have been granted preliminary approval by the Commission on Collegiate Nursing Education.

#### [7] United States Army Partnership in Nursing Excellence

The Department of Nursing is nationally distinguished by the US Army as one of only a few Partners in Nursing Excellence. This designation provides numerous opportunities, including scholarships, for individuals who have both nursing and military career goals. For information contact either the Department of Military Science at (501) 450-3145 or the Department of Nursing at (501) 450-3119.

#### [8] Admission to the Nursing Major

Admission 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.

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.



## UCA UNDERGRADUATE BULLETIN 2002-2004

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### NURSING

Return to [Nursing](#)

#### [1] Courses in Nursing (NURS)

**2210 HEALTH ASSESSMENT** Required of all students in the first semester of the nursing major. The course introduces students to systematic biophysical and psychosocial health assessment. Lecture/demonstration and laboratory experiences. Prerequisite: Admission to nursing major. Fall.

**2310 PHARMACOLOGIC BASES FOR NURSING** Required of all students in the first semester of the nursing major. The course introduces students to the theoretical knowledge and skills related to nursing responsibilities of pharmacologic therapy. Lecture/demonstration and laboratory experiences. Prerequisite: Admission to nursing major. Fall.

**2315 HEALTH PROMOTION AND NURSING** Required of all students in the first semester of the nursing major. The course introduces students to health promotion and fundamental theories, concepts, principles, and clinical skills of professional nursing practice. Methods of instruction include clinical practice and vary with nature of learning objectives and the instructor's teaching style. Prerequisite: Admission to nursing major. Pre- or corequisites: NURS 2210 and 2310; BIOL 2411. Fall.

**2510 ADULT NURSING I** Required of all students in the first year of the nursing major. The course introduces students to the identification of nursing diagnoses and treatment of adult clients' responses to selected health problems. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: NURS 2210, 2310, and 2315; BIOL 2411. Spring.

**3113, 3213, 3313 SPECIAL STUDIES IN NURSING** These elective courses are given on demand, are varied to meet the needs and interests of nursing students, and may include clinical practice with a preceptor. Prerequisite: Permission of the Undergraduate Director.

**3200 TRANSITION TO PROFESSIONAL NURSING** Required of all RN and LPN/LPTN licensed students in their first semester in the nursing major. Builds upon the nurse's previous education and experience. Independent study and discussion. Prerequisite: Admission to the major. Fall.

**3201 CLIENT EDUCATION** Required of all students in the first year of the nursing major. The course assists students to incorporate client-centered teaching into professional nursing practice. Methods of instruction vary with the nature of learning

objectives and the instructor's teaching style. Prerequisite: NURS 2315. Spring.

**3410 ADULT NURSING II** Required of all students in the second year of the nursing major. Students build on previous clinical courses and are assisted to apply the nursing process with adult clients experiencing life-disrupting and/or life-threatening health problems. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: NURS 2510, 3201, PHIL 2325 or 1301, FACS 2341 or PSYC 2370, BIOL 4311. Spring.

**3501 MATERNITY NURSING** Required of all students in the second year of the nursing major. The course focuses on nursing practice with childbearing families. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: NURS 2510, 3201, PHIL 2325 or 1301, FACS 2341 or PSYC 2370. Pre- or corequisite: BIOL 4311. Fall.

**3505 PEDIATRIC NURSING** Required of all students in the second year of the nursing major. The course focuses on nursing practice with children and their families. Methods of instruction include clinical practice and vary with the nature of



**4305 GERIATRIC NURSING** Required of all students in the last year of the nursing major. The course focuses on nursing practices promoting health of older adults. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: All junior nursing courses and NURS 4213. Fall.

**4314 HONORS IN NURSING** This course is part of the senior honors program in nursing. Prerequisite: Enrollment by invitation. See the section Honors Program in Nursing above. Fall.

**4410 NURSING MANAGEMENT OF CLIENTS** Required of all students in the last year of the nursing major. The course focuses on the management of client care in the health system. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: All junior nursing courses and NURS 4213. Fall.

**4510 COMMUNITY HEALTH NURSING** Required of all students in the last year of the nursing major. The course focuses on the delivery of nursing services within the context of public health and community health. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: All junior nursing courses and NURS 4213. Spring.

**4515 NURSING LEADERSHIP AND RESOURCE MANAGEMENT** Required of all students in the last year of the nursing major. The course focuses on nursing leadership in the health care system. Methods of instruction include clinical practice and vary with the nature of learning objectives and the instructor's teaching style. Prerequisites: All junior nursing courses and NURS 4213. Spring.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### OCCUPATIONAL THERAPY

**Chair and Associate Professor:** Dr. Musselman, 450-3192  
**Assistant Professors:** Dr. Acre, Dr. George, Dr. Johnson, Dr. Willey  
**Instructors:** Ms. Mankey, Ms. White, Ms. Cole  
**Program Advisor:** Ms. Cole, 450-5568

#### [1] Purpose

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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 practice of occupational therapy. 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.

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. "Occupation" in the title refers to humanity'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.

#### [2] Program

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Students who wish to become certified and licensed occupational therapists must complete both the undergraduate professional level courses below and the Master of Science degree in occupational therapy. Students are eligible for admission to the undergraduate phase of the program if they have completed a Bachelor of Science degree and the required prerequisites. However, students who do not already possess a baccalaureate degree (but have completed the required prerequisites) also may apply to be admitted to the undergraduate phase of the program and will then complete the Bachelor of Science degree in health science (occupational therapy emphasis). Students who successfully complete the undergraduate phase of the program and who qualify for admission to the graduate school (including the

presentation of a GRE score) will be automatically accepted into the Master of Science program in occupational therapy.

### **[3] Bachelor of Science Degree in Health Sciences (Occupational Therapy Emphasis)**

The curriculum leading to the bachelor of science in health science (occupational therapy emphasis) requires 25 hours of prerequisite course work, in addition to general education requirements, and 54 hours in the major. A total of 124 hours are required for the degree. The 54 hours in the major are completed over the course of four semesters. The graduate phase of the program involves three additional semesters on campus, plus six months of full-time fieldwork. Once the student is admitted, the 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 fieldwork experiences (minimum 80 hours per semester) at facilities in Arkansas and contiguous states. Following on-campus study, students are assigned to facilities in Arkansas and/or contiguous states for full-time fieldwork experiences of six months' duration. Students are responsible for their own transportation and living expenses throughout the program, including during fieldwork placements.

A grade no lower than C must be earned in all occupational therapy professional courses and prerequisites. Students are expected to maintain a 3.0 grade point



**3330 THERAPEUTIC ACTIVITIES IN OCCUPATIONAL THERAPY** This is an

lab. Prerequisite: Admission to the occupational therapy program, permission of chair. Fall.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.04.10

### PHYSICAL THERAPY

**Chair and Professor:** Dr. Lovelace-Chandler, 450-3611

**Department Advisor:** Ms. Smith, 450-5541

**Professor:** Dr. Bandy, Dr. Reese

**Associate Professors:** Dr. Holmes

**Assistant Professors:** Dr. Gross McMillan, Dr. Zabel

**Instructor II:** Mr. Fletcher, Ms. Maresh, Ms. Stephens

**Instructor I:** Dr. Hearn, Ms. McGee

#### [1] Physical Therapy: A Dynamic Health Care Profession

Physical therapists are professionally educated at the university level and are required to be licensed in the state or states in which they practice. Physical therapists plan, organize, implement, direct, and evaluate programs for the care of patients of all ages who are physically disadvantaged by illness, accident, or birth injury. They work in a variety of health care settings including hospitals, nursing homes, rehabilitation centers, schools, community health centers, research centers, industry, private offices, and as athletic trainers. Physical therapists may also work as consultants or 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 care workers in providing interventions or treatments. Patient interventions 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, are involved in prevention and wellness activities, and engage in administrative tasks. Physical therapists earn post-baccalaureate degrees. The degree offered at the University of Central Arkansas is the DPT, doctor of physical therapy. More information about that degree may be found in the university Graduate Bulletin.

The physical therapist assistant is an educated health care provider who assists the physical therapist in the provision of physical therapy. While only a therapist may

active members of the health team and use skill and empathetic understanding in patient care. The department offers an Associate of Applied Science degree in physical therapist assisting which is accredited but currently in Inactive Status.

The department offers a professional Doctor of Physical Therapy (DPT), which leads to a career in physical therapy, and post-professional degrees for physical therapists. Individuals with an entry-level degree in physical therapy may enroll in post-professional master of science (MS) or doctor of physical therapy (DPT - transitional or advanced) programs. A doctor of philosophy (PhD) is offered for physical therapists seeking careers in teaching or research. Please refer to the UCA Graduate Bulletin for information on these degrees.

### **[3] Accreditation Status**

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The Associate of Applied Science degree program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association but currently has Inactive Status. The BS in Health Science - physical therapy emphasis does not require specialized accreditation. Please refer to the *Graduate Bulletin* for the accreditation status of the DPT curriculum.

### **[4] Bachelor of Science in Health Science, Pre-Physical Therapy Emphasis**

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The department collaborates with the Department of Health Sciences to offer a baccalaureate degree (BS) with a pre-physical therapy emphasis. The purpose of that degree is to qualify graduates of the program as candidates for the professional DPT degree. In addition to the baccalaureate degree, students applying for the DPT program must meet specific grade point averages, have designated prerequisite courses, and take the Graduate Record Examination (GRE). The BS in Health Science with pre-physical therapy emphasis does not prepare a graduate for licensure or employment as a physical therapist or a physical therapist assistant.

Students who are interested in applying to the UCA professional Doctor of Physical Therapy (DPT) program are encouraged to pursue this degree emphasis, which is specially designed to assist students completing prerequisite course work to obtain a baccalaureate degree in order to meet application requirements for the professional DPT program.

The degree requires a total of 124 semester credit hours, 40 of which must be upper division. Degree requirements are as follows (see individual departments for course descriptions):

**General Education Requirements** (47 hours): Must include MATH 1390, PSYC 1300, BIOL 1440, and CHEM 1450 or CHEM 1402.

**Other required courses** (43-44 hours): CHEM 1451 or CHEM 2450; BIOL 2406 & BIOL 2407; CSCI 1300 or MIS 2343 (formerly INFO 2343); H SC 3123; WRTG 3310; PHYS 1410 and PHYS 1420; BIOL 3370; BIOL 2411 or BIOL 4311 or BIOL 4351; PSYC elective; BIOL 2420; Statistics (PSYC 2330 or MATH 2311 or SOC 2321 or ECON 2330).

PSYC 2370 Developmental Psychology  
PTHY 4183 Directed Study in Physical Therapy  
PTHY 4283 Directed Study in Physical Therapy  
PTHY 4383 Directed Study in Physical Therapy

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### RADIOGRAPHY

**Advisor:** Ms. Deedra D. Smith, 450-5541

#### [1] The Profession

The field of radiology has evolved over the past 100 years into one of the most valuable diagnostic tools in medicine. The discovery of X-rays in 1895 has had a great impact on the medical world. This imaging application of X-Rays parallels the development of diagnostic radiology. Services provided range from routine chest films to an elaborate study of body systems that involves tremendously complicated and expensive equipment. The final results of the examination represent the combined efforts of the Radiologic Technologist (the person who takes the X-rays) and a Radiologist (a physician who specializes in the interpretation of the X-ray films and other forms of imaging for diagnosis and treatment). Radiologic technologists may work in departments with the use of modern radiographic and fluoroscopic tools; general vascular and cardiovascular units, nuclear medicine; emergency rooms; and day surgery facilities. Radiologic technologists can be trained in the use of computerized axial tomography (CT scans) and magnetic resonance imaging, commonly called MRI.

#### [2] Baccalaureate Degree Program Requirements

The Department of Health Sciences, in cooperation with Baptist Medical Center and St. Vincent Infirmiry Medical Center in Little Rock, offers a Bachelor of Science degree with a major in radiography. The degree requirements consist of 60 hours of prerequisite course work at UCA and 72 hours taken over 24 months at Baptist Medical Center or St. Vincent Infirmiry Medical Center. In order to receive credit toward a degree from UCA, the student must apply, be admitted to UCA, and complete the prerequisite course work prior to selective admission into the clinical curriculum at an affiliated hospital radiography program. Students may transfer into the radiography program, but they must complete a minimum of 30 hours of on-campus course work at the University of Central Arkansas prior to selective admission into the clinical curriculum at an affiliated hospital's radiography program. Admission and acceptance into the clinical curriculum at an affiliated hospital is on a competitive basis. Students applying to the clinical phase must have a cumulative GPA of 2.5 in all undergraduate course work to be considered eligible for the clinical phase of the radiography program. The application deadline for the clinical phase of the radiography program is March 1st and classes begin in July. Information concerning the clinical curriculum and requests for applications should be directed to the affiliated hospital programs. All questions regarding prerequisite course work should be directed to the UCA radiography advisor.

The clinical curriculum is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates of the professional curriculum are

eligible for examination by the American Registry of Radiologic Technologists.

#### **[2.1] Prerequisite Curriculum at UCA (60 hours)**

**General education** requirements.

**Other required courses:** CSCI 1300 or INFO 2343; PSYC 1300; PSYC 3360 or 4320; BIOL 1400 or 1440; BIOL 2405; PHYS 1405; MATH 1390.

**Upper-division elective** approved by advisor (3 hours).

#### **[2.2] Clinical Curriculum at an affiliated hospital program (72 hours)**

RADG 2110, 2111, 2112, 2113, 2114, 2120, 2121, 2130, 2211, 2222, 2223, 2224, 2231, 2232, 2233, 2420, 2510, 2530, 3140, 3141, 3142, 3143, 3144, 3150, 3151, 3250, 3740, 3851, 4160, 4161, 4162, 4263, 4164, 4760.

Note: To receive a Bachelor of Science degree in radiography, the student must complete the hospital phase at an affiliated-based radiography program. All prerequisite course work must be complete prior to the program start date.

#### [3] Courses in Radiography (RADG)

Follow this link to RADG course descriptions: [course link](#).

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### RADIOGRAPHY

Return to [Radiography](#)

#### [1] Courses in Radiography (RADG)

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**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

**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,

All students declaring a speech-language pathology major are accepted as tentative candidates to the undergraduate program. Enrollment in SPTH 2300 Introduction to Clinical Speech, SPTH 2322 Applied Phonetics, SPTH 2302 Basic Sign Language, SPTH 4305 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 fall admission to the undergraduate program during the spring or summer prior to beginning the fall semester of their junior 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,

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### SPEECH-LANGUAGE PATHOLOGY

Return to [Speech-Language Pathology](#)

#### [1] Courses in Speech-Language Pathology (SPTH)

**2300 INTRODUCTION TO COMMUNICATION SCIENCES AND DISORDERS** (formerly INTRODUCTION TO CLINICAL SPEECH) Required prior to formal program admission. 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. Lecture, discussion, observation of clinical activities. Open to all students. Fall, spring, summer.

**2303 BASIC SIGN LANGUAGE** Elective. Introductory study of the various sign language methods. Lecture, discussion, and laboratory practice using sign language. Open to all students. Fall, spring, summer.

variety of reports used in the field of speech-language pathology. Planning goals for therapy from these reports will also be emphasized. Lecture, discussion, and laboratory practice. Prerequisites: Program admission, SPTH 3326. Spring.

**4230 FLUENCY AND FLUENCY DISORDERS** A study of the development of fluent speech and the assessment and treatment of fluency disorders such as stuttering and cluttering. Prerequisite: Program admission. On demand.

**4301 ARTICULATION AND PHONOLOGICAL DISORDERS** (formerly SPTH 3301 Articulation Disorders) Required. A study of etiology, evaluation, and therapy for children and adults having articulation/phonological defects. Lecture and discussion. Prerequisites: Program admission, SPTH 3300. Fall.

**4303 INTERMEDIATE SIGN LANGUAGE** Elective. An intermediate study of various sign language methods with emphasis on increasing expressive and receptive sign language skills. Lecture, discussion, and laboratory practice using sign language. Prerequisite: SPTH 2303 and consent of instructor. Fall, spring, summer.

**4304 PUBLIC SCHOOL METHODS** (formerly PUBLIC SCHOOL SPEECH THERAPY) Required/elective (check with department). Intended for students interested in public school applications. This course assumes a knowledge of the fundamental tools of speech-language pathology and uses techniques of community research to explore the public education team. Lecture and discussion. Prerequisite: Program admission. Spring.

**4310 ASSISTIVE TECHNOLOGY** Elective. A study of assistive technology in the domains of vision, hearing, cognition, mobility, communication, and environmental controls. Collaboratively taught by occupational therapy, physical therapy, speech-language pathology, and special education. Lecture, discussion, in-class laboratory practice. Open to all students. Fall, spring.

**4311 AUDIOLOGY** (formerly SPTH 3310 FUNDAMENTALS OF AUDIOLOGY) Required. Introductory study of 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. Lecture, discussion, and laboratory practice in the audiological suite. Prerequisite: program admission. Fall.

**4320 COUNSELING IN SPEECH-LANGUAGE PATHOLOGY** Required. A study of the history of the development, value, and limitations of counseling in speech-language therapy. A variety of counseling techniques relevant to diagnosis and treatment in speech-language pathology will be described and practiced. Lecture and discussion. Prerequisite: Program admission. Spring.

**4330 NEUROGENIC COMMUNICATION DISORDERS** Overview of neurogenic communication disorders. Etiologies, diagnoses, assessment, and treatments methods will be reviewed. The normal aging process in adults and the effects of aging on communication systems will also be provided. Prerequisite: Program admission. On demand.

**4350 HONORS IN SPEECH-LANGUAGE PATHOLOGY** Elective. Selected

students are assigned to a faculty mentor who has expertise in the student's chosen topic of research and are expected to meet with the mentor weekly. The student will write a research paper that reflects quality worthy of an honor designation and upon completion will present the paper to an audience of faculty and peers. Discussion and research. Prerequisites: Program admission and consent of instructor. Fall, spring, summer.

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# UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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## COLLEGE OF LIBERAL ARTS

**Dean and Professor:** Dr. Lee, 450-3167

**Associate Dean and Professor:** Dr. Mehl, 450-3167

### **[1] Mission**

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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 members 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.

Pre-Law

**[4.5] Master of Arts**

English  
History  
Spanish

**[4.6] Minors**

African/African-American Studies (see Interdisciplinary Programs)

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.

### **[3] Baccalaureate Degrees**

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#### **[3.1] Bachelor of Arts**

The degree of Bachelor of Arts, with a major in English, requires successful completion of at least 124 hours, including (1) the general education component, (2) degree requirements, (3) major requirements, and (4) a minor.

##### **[3.1.1] Major in English (36 hours)**

Thirty-six hours of English of which at least 21 must be upper-division. Required: ENGL 2310, 2311, 2312, 2313; a genre course, a period course, a figure course, and an upper division language course; four upper-division English electives (12 hours). (ENGL 4361 is required for teacher licensure.)



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### ENGLISH

Return to [English](#)

#### [1] Courses in English (ENGL)

**2305 WORLD LITERATURE I** Satisfies three hours of the world cultural traditions requirement in the general education program. The purpose of World Literature I is to introduce the student to a variety of literary texts which have greatly influenced culture around the world. Readings are chosen from the epic, dramatic, poetic, and speculative traditions of several nations and cultures from ancient times up to the Renaissance. Lecture, discussion, writing. P1A&nectsAseras: Nte. LectureLecture, dis5pavy ure7troducecececeBr. L, oorWof Wec0.0001 Tw148requirement in summeratlrn.ucation 10.0532 0 455.778120 136o WORLD LI6ERATURE I

any area of world literature from classical authors to postmodern figures. Lecture, discussion. On demand.

**3335 LANGUAGE AND GRAMMAR STUDIES** This course examines specific topics and problems of English grammar, structure, and usage in order to provide an understanding and command of language that will lead to effective and creative classroom teaching of English and language arts. The course emphasizes the study of grammar in context to afford greater facility in approaching and analyzing texts.

**4331 SHAKESPEARE II** For English majors and minors to satisfy figure and genre requirements. The course can be taken in series with Shakespeare I (see 4330 Shakespeare I). Lecture, discussion, writing. On Demand.

**4340 CHAUCER**

minors to satisfy upper-division elective requirements. This is a survey of African and African-American literature from the eighteenth century to the present generally focusing on slave narratives, middle passage and captivity narratives in the eighteenth and nineteenth centuries and works by such writers as Larson, Petry, Hurston, Bambara, Reed, Baraka, John A. Williams, and August Wilson in this century. Lecture, discussion, writing. On demand.

**4680 INTERNSHIP II** Internship II is taken during the final semester of work in the Teacher Education Program. The internship is conducted in public school secondary settings (grade 7-12) and requires full-day involvement and seminars. Candidates work under the supervision of public school and university professionals. ENGL 4680 Internship II is to be taken concurrently with ENGL 4681 Internship II. Prerequisites: Admission to teacher education, completion of all major and professional education course work. Spring.

**4681 INTERNSHIP II** Internship II is taken during the final semester of work in the Teacher Education Program. The internship is conducted in public school secondary settings (grade 7-12) and requires full-day involvement and seminars. Candidates work under the supervision of public school and university professionals. ENGL 4681 Internship II is to be taken concurrently with ENGL 4680 Internship II. Portfolio required. Prerequisites: Admission to teacher education, completion of all major and professional education course work. Spring.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### GEOGRAPHY

**Interim Chair (Geography and Political Science) and Professor:** Dr. Whistler, 450-5693

**Associate Professors:** Dr. Butt, Dr. Green, Dr. Reynolds

**Assistant Professors:** Dr. Allender, Dr. Thiam

**Laboratory Instructor:** Ms. M. Passé-Smith

#### [1] Purposes

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Programs of study in geography, located in the Department of Geography and





and local policy in metropolitan areas. Prerequisite: GEOG 1320 or consent of instructor. Every third semester.

**3385 GLOBAL FOOD RESOURCES** An upper-division elective. A worldwide study of past and present patterns of food production, consumption, and problems, using a lecture, discussion, and visual presentations format. Specific environmental conditions and cultural complexes which significantly influence food production and diet are examined. Prerequisite: None. Fall, odd years.

**3399, 3699 INTERNSHIP IN GEOGRAPHY** An elective for geography majors and minors. A structured, supervised, work experience in an academic format. The student is assigned to a specific agency and completes a minimum of 150 hours during the semester enrolled. This course is normally taken for 3 credit hours but can be taken for 6 credit hours if the job assignment requires additional time. Agency assignment and credit hours will be determined through student consultation with the geography program internship director. Prerequisite: 15 semester hours in geography and permission of program internship director. Fall, spring, summer.

**4304 WATER RESOURCES** An upper-division elective. This course uses a lecture and discussion format to provide detail on the occurrence, distribution, and movement of water on and beneath the earth's surface and the integration of water into human activities, e.g., flooding, drainage, irrigation, power, navigation, water supplies, and water pollution. Prerequisite: GEOG 1315 or consent of instructor. Spring, odd years.

**4305 SOILS** An upper-division elective, this course introduces soil environment, including soil-forming processes, soil classification and genesis, conservation and management, and use of the soil survey. This course uses a lecture format combined with field study to acquaint students with the nature and properties of soils. Specific emphasis is on topics of soil geography and world classifications, soil sustainability, soil ecological mapping and modeling, soil pollution, and precision agriculture. Prerequisite: GEOG 1315 or consent of instructor. Fall, even years.

**4308 OCEANOGRAPHY** An upper-division elective. Employing a lecture/discussion/visual presentations format, this course is an introduction to oceanic environments, distribution, ocean basin topography, physical and biological characteristics, marine climate, currents, ecology, and politics. Emphasis is on the

## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
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### **HISTORY**

**Chair and Professor:** Dr. Fritze, 450-5616

**Professors:** Dr. Barnes, Dr. Brodman, Dr. Corcoran, Dr. Pouwels, Dr. Readnour, Dr.



Students should refer to the College of Education bulletin to determine specific requirements for admission to the professional education program. Contact the Chair of the Department of History (450-3158), the Chair Middle, Secondary and Instructional Technologies (450-5466), or the Office of Candidate Services and Field Experience (450-3131).

#### **[4] Master's Degree**

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See *Graduate Bulletin*.

#### **[5] Courses in History (HIST)**

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##### **[5.1] United States History**

Follow this link for HIST - United States History course descriptions: [course link](#).

##### **[5.2] World History**

Follow this link for HIST - World History course descriptions: [course link](#).

##### **[5.3] Special Courses**

Follow this link for HIST - Special Topics course descriptions (social studies, topics courses, internships): [course link](#).

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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**3388 TUTORIAL STUDIES IN AMERICAN HISTORY** Upper-division elective. Directed reading in American history. Preparation for an honors thesis to be written during the student's senior year. Discussions with instructor, research, writing. Prerequisite: consent of instructor and department chair. On demand.

**4301 AMERICAN ENVIRONMENTAL HISTORY** Upper-division elective. Examines the changing relationship between humans and their environment from the colonial period to the present. Lecture, discussion, analysis of documents, participatory classroom activities, writing. On demand.

**4308 AMERICAN WOMEN'S HISTORY** Upper-division elective. Examines the history of American women from the colonial period to the present. Emphasis on class, race, and ethnic differences. Lecture, discussion, analysis of documents, participatory classroom activities, writing. On demand.

**4311 AMERICAN COLONIAL AND REVOLUTIONARY HISTORY** Upper-division elective. Examines the age of exploration and colonization and developments leading to the American Revolution, 1492-1783. Emphasis on the contribution of the era to American political, social, and intellectual tradition. Lecture, discussion, analysis of documents, participatory classroom activities, writing. On demand.

**4318 ARCHAEOLOGY AND HISTORY OF SOUTHWEST NATIVE AMERICAN CIVILIZATIONS** A course intended to provide an overview of the Native American civilizations of the American southwest to about 1800. Various methodologies for studying this period and area will be employed, including archaeology, ethnography, and historical linguistics. The focus of the course will be on the Anasazi, Hohokam, Mississippian, Mogollon, Salado, and Sinagua civilizations.

**4322 EARLY NATIONAL HISTORY, 1783-1850** Upper-division elective. Examines 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. Lecture, discussion, analysis of documents, participatory classroom activities, writing. On demand.

**4325 AMERICAN LIFE AND THOUGHT TO 1865** Upper-division elective. Examines political and social thought and cultural trends from the Puritan era to the Civil War period. Lecture, discussion, documentary analysis, writing. On demand.

**4326 AMERICAN LIFE AND THOUGHT SINCE 1865** Upper-division elective. Examines political and social thought and cultural trends since 1865. Lecture discussion, documentary analysis, writing. On demand.

**4327 THE AMERICAN WEST** Upper-division elective. Examines the influence of the frontier and of western expansion on the history of the United States. Lecture, discussion, documentary analysis, writing. On demand.

**4330 THE CIVIL WAR AND RECONSTRUCTION, 1850-1877** Upper-division elective. 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. Lecture, discussion, documentary analysis, writing. Fall.

**4335 DIPLOMATIC HISTORY OF THE UNITED STATES** Upper-division elective. Students examine 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. Lecture, discussion, documentary analysis, writing. On demand.

**4340 THE EMERGENCE OF MODERN AMERICA, 1877-1920** Upper-division elective. Students examine the conquest of the last western frontier, the rise of big business, progressivism, and the United States as a world power. Lectures, discussion, analysis of documents, writing. On demand.

**4345 THE SOUTH TO 1865** Upper-division elective. Minor in Southern and Arkansas studies. Students study the history of the old South with an emphasis on southern nationalism, slavery, politics, and social and intellectual developments. Lecture, discussion, analysis of documents, writing. On demand.

**4346 THE SOUTH SINCE 1865** Upper-division elective. Minor in Southern and Arkansas studies. Students study the re-integration of the South back into the Union, the problems faced by the region, and their legacy to the present. Lecture, discussion, analysis of documents, writing. On demand.

**4350 AMERICAN IN DEPRESSION AND WAR, 1920-1960** Upper-division elective. Students examine twentieth-century political, social, economic, and intellectual developments. Topics include the twenties, the Depression, America in World War II, and the Cold War. Lecture, discussion, analysis of documents, writing. On demand.

**4353 INTER-AMERICAN RELATIONS** Upper-division elective. Students review political, economic, and cultural relationships between the United States and Latin America, with special attention to the period from 1898 to the present. Lecture, discussion, analysis of documents, participatory classroom activities, writing. Counts as United States or world history. On demand.

**4355 THE ROLE OF ARKANSAS IN THE NATION** Required for BSE; upper-division elective for 5(Col.5(6557 -1.12d cult)5.2(ural 49llo85(6557 -1.12d cult)5.2(ura5tB.s0Tfcb0..2(ural 49llo-22

**1320 WORLD HISTORY II** Satisfies part of the general education world cultural traditions requirement. Satisfies BA, BS, BSE-Social Studies (history emphasis) major requirement for three hours of world history beyond general education requirement. Required for history and BSE-Social Studies (history emphasis) minor. Students examine development of modern industrial and urban society from its European base in the seventeenth century to its worldwide impact in the twentieth century. Lectures, discussion, analysis of documents, writing. Fall, spring, summer.

**3303 ASIAN CIVILIZATION I** Upper-division elective. Asian studies minor. Religious studies major. Introduces students to the traditional cultures of China, Japan, and South Asia to 1800. Lectures, discussion, analysis of documents, writing. Fall.

**3304 ASIAN CIVILIZATION II** Upper-division elective. Asian studies minor. Introduces students to the process of modernization as experienced in China, Japan, and South Asia in modern times. Lectures, discussion, analysis of documents, writing. Spring.

**3312 COMPARATIVE MODERN THIRD WORLD HISTORY** Upper-division elective. The course compares and contrasts the modern history of the Middle East, Africa, and Latin America through one "representative" country from each region. Lectures, discussion, analysis of documents, writing. On demand.

**3315 FROM COLUMBUS TO CASTRO: AN INTRODUCTION TO LATIN AMERICA** Upper-division elective. Latin American studies minor. Students study 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. Lectures, discussion, analysis of documents, participatory classroom activities, writing. On demand.

**3320 HISTORY OF CHRISTIANITY I** Upper-division elective. Religious studies major. Students examine the major themes and developments in Christianity from the first century to the eve of the Reformation. Lectures, discussion, analysis of documents, writing. On demand.

**3321 HISTORY OF CHRISTIANITY II** Upper-division elective. Religious studies major. Students examine the major themes and developments in Christianity from the Reformation to present times. Lectures, discussion, analysis of documents, writing. On demand.

**3351 ANCIENT CIVILIZATION** Upper-division elective. Students study the Near East, Greece, and Rome, with an emphasis on politics and culture, to 476 AD. Lectures, discussion, participatory classroom activities, analysis of documents, writing. On demand.

**3389 TUTORIAL STUDIES IN WORLD HISTORY** Upper-division elective. Directed reading in world history. Preparation for an honors thesis to be written during the student's senior year. Discussions with instructor, research, writing. Prerequisite: Consent of instructor and department chair. On demand.

**4305 LATIN AMERICA THROUGH HISTORY, FILM, AND LITERATURE** Upper-division elective. Latin American studies minor. Students use 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. Lectures, discussions, films, participatory classroom activities, writing. On demand.

**4309 WOMEN IN EUROPEAN HISTORY** Upper-division elective. Students use a variety of primary and secondary sources to study the role of women and gender in European history. Lectures, discussion, analysis of documents, participatory classroom activities, writing. On demand.

**4328 MODERN LATIN AMERICA** Upper-division elective. Latin American studies minor. Students examine critical issues that challenge the countries of contemporary Latin America, from race and the environment to debt, development, and democracy. Lectures, discussion, analysis of documents, participatory classroom activities, Latin American fiction, writing. On demand.

**4332 HISTORY OF THE CRUSADES** Upper-division elective. Students examine the history of European interactions with Asia, northern Africa, and eastern Europe, 1000-1300, centering around the phenomenon of crusading. Lectures, discussion, analysis of documents, writing. On demand.

**4347 CULTURAL AND INTELLECTUAL HISTORY OF MODERN EUROPE** Upper-division elective. An examination of the inter-relationship between philosophy, the arts, science, religion, and social change in Europe since 1648. Lectures, discussion, analysis of documents, writing. On demand.

**4353 INTER-AMERICAN RELATIONS** Upper-division elective. Students review political, economic and cultural relationships between the United States and Latin America, with special attention to the period from 1898 to the present. Lecture, discussion, analysis of documents, participatory classroom activities, writing. Counts as United States or World History. On demand.

**4360 BIRTH OF EUROPE, 300-1000** Upper-division elective. Students examine 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. Lectures, discussion, analysis of documents, writing. On demand.

**4361 MEDIEVAL CIVILIZATION, 1000-1400** Upper-division elective. Students examine European political, social, economic, religious, and intellectual development during the High Middle Ages. Lectures, discussion, analysis of documents, writing. On demand.

I. Lectures, discussion, analysis of documents, writing. Spring, even years.

**4371 HISTORY AND BIOGRAPHY**

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. Lectures, discussion, analysis of documents, writing, participatory classroom activities. Fall, spring.

**4351 INTERNSHIP I** Internship I is part of the senior block for candidates in secondary education. The internship occurs in appropriate public school settings where the candidates gain experience in organizing instruction, in creating a productive learning environment, in teaching for student learning, and in achieving professional behaviors. Students should enroll in this course concurrently with HIST 4310, Teaching Social Studies. Fall.

**4358 RECENT AMERICAN HISTORY** The political, social, cultural, diplomatic, and economic history of the United States from 1960 to the present. On demand.

**4392 INTERNSHIP IN SOUTHERN HISTORY** A directed field experience at the Old State House Museum. The student completes 6-10 hours a week for 14 weeks on her/his selected project at the Museum, maintains a log of activities, and provides the Internship Coordinator with a final paper. Only available to students minoring in Southern and Arkansas Studies. Prerequisite: Senior standing, with a minor in Southern and Arkansas Studies. Fall, spring.

**4680 SOCIAL STUDIES INTERNSHIP II** This course involves teaching under supervision in a public secondary school setting (grades 7-12). Requires full-day involvement and seminars. Taken concurrently with HIST 4681. Prerequisites: Admission into teacher education and successful completion of Internship I. Spring.

**4681 SOCIAL STUDIES INTERNSHIP II** This course involves teaching under supervision in a public school setting (grades 7-12). Requires full-day involvement and seminars. Taken concurrently with HIST 4680. Prerequisites: Admission into teacher education and successful completion of Internship I. Spring.

**4191, 4192, 4193 TOPICS IN HISTORY** Upper-division elective. Students study 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. Lectures, discussion, analysis of documents, writing. On demand.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.05.05

### INTENSIVE ENGLISH PROGRAM

#### [1] Purpose

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The Intensive English Program (IEP) offers a series of language courses to non-native speakers of English at three different levels: low intermediate, high

2. Non-refundable application fee of US of \$40.00 drawn from a US bank, or an international money order.
3. Original or certified copies of all secondary, college, and university transcripts, including certified English translations, if applicant is also applying for conditional admission to UCA in order to pursue an undergraduate degree after completing the IEP.
4. TOEFL score, if available, although it is not required for admission to the IEP.

Upon acceptance, students 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.

### **[3] General Information**

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#### **[3.1] Placement**

IEP students are tested and interviewed upon their arrival at UCA. These results determine proficiency-level placement.

#### **[3.2] 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 450-473 on the paper-based test or 133-150 on the computer-based test and are conditionally admitted to UCA are normally eligible to take one regular concurrent university course while taking IEP classes. Continuing IEP students who have earned a TOEFL score of 477-497 on the paper-based test or 153-170 on the computer-based test, have a GPA of 3.0 or better, and are conditionally admitted to UCA are eligible to take two additional regular concurrent university courses *with special permission*. 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. Scores must be received directly from Educational Testing Service (ETS). UCA's school code is 6012.

#### **[3.3] 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 on the paper-based test or 173 on the computer-based test are also eligible to enroll directly in a UCA degree program the following term, provided they meet all other admission requirements.

#### **[3.4] Academic Credit for Level 3 Courses**

The Department of World Languages, Literatures, and Cultures may grant three credit hours for WLAN 2300 to full-time IEP students who meet the following criteria:

1. Students must have completed at least 15 hours of Level 3 IEP course work with a minimum GPA of 3.0.
2. Students must achieve As and Bs in all IEP classes and a score of 500 or above on the TOEFL.
3. Students must pass the Accuplacer reading and writing tests for transitional classes or attain equivalent scores on the ACT or SAT tests.
4. Students must have been admitted to UCA on the basis of high school grades or grades issued by another university from which the student is transferring.

International students who have achieved the minimum score on TOEFL required for undergraduate admission to the university may also elect to enroll in IEP to enhance their English language skills prior to starting their degree programs. Such students will also receive credit for WLAN 2300 if they meet the criteria listed above.

#### **[3.5] Facilities and Services**

IEP offices and classrooms are located in Irby Hall. IEP students have access to UCA's language, computer, and writing laboratories and all other UCA facilities and services.

#### **[3.6] Room and Board**

Incoming IEP students normally live on campus in university residence halls and eat

## UCA UNDERGRADUATE BULLETIN 2002-2004

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### INTENSIVE ENGLISH PROGRAM

Return to [Intensive English Program](#)

#### [1] Intensive English Program Courses (IEP)

**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 note-taking strategies. Emphasizes pronunciation, intonation, conversational techniques, oral discussions, and informal and formal speeches. Meets 5 hours per week. Three levels. Prerequisite: Admission to IEP. On demand.

**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 IEP. On demand.

**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 IEP. On demand.

**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 organization. Meets 5 hours per week. Three levels. Prerequisite: Admission to IEP. On demand.

**1355 VOCABULARY BUILDING** An IEP elective. Focuses on development of basic vocabulary through study of words in various categories: everyday language,



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.

**[3.1] Major in Philosophy (33 hours)**

PHIL 2310 or 3310; 3320 or 3325; 3300; 3302; and two courses from 3301, 3303, 3304, 4305, and 4306; 15 hours of philosophy electives.

Only one of PHIL 1301, 2305, 2325, 2360, and RELG 1320 will count toward a major or minor.

**[3.2] Minor in Philosophy (21 hours)**

PHIL 2310 or 3310; 3320 or 3325; and three courses from 3300, 3301, 3302, 3303, 3304, 4305, and 4306; plus 6 hours of philosophy electives.

Only one of PHIL 1301, 2305, 2325, 2360, and RELG 1320 will count toward a major or minor.

**[4] Courses in Philosophy (PHIL)**

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Follow this link for PHIL course descriptions: [course link](#).

**[5] Courses in Religion (RELG)**

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Follow this link for RELG course descriptions: [course link](#).

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### PHILOSOPHY AND RELIGION

Return to [Philosophy and Religion](#)

**[1] Courses in Philosophy (PHIL)**

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**1301 PHILOSOPHY FOR LIVING** A general education elective satisfying the humanities requirement. Develops basic skills in critical thinking, emphasizing clarification of personal values, major views of human nature, and issues in philosophical thought. Combines lecture and discussion methods. Fall, spring, summer.

**1330 WORLD PHILOSOPHIES** A general education elective satisfying three hours of the world cultural traditions requirement. Develops basic skills in critical thinking, emphasizing the global nature of philosophizing and the clarification of personal and social values through cross-cultural understanding. Combines lecture and discussion methods. Spring.

**2300 EXISTENTIAL PROBLEMS IN PHILOSOPHY** Critical introductory study of existential problems in philosophy. For students who want a more advanced introduction to philosophy. Combines lecture and discussion methods. On demand.

**2305 CRITICAL THINKING** A general education elective satisfying the humanities requirement. 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. Combines lecture, discussion, and critical writing methods. Fall, spring.

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for description of content. On demand.

**4300 READINGS IN PHILOSOPHY** Independent study designed to deal in depth with specific problems and individuals in philosophy. Prerequisite: Consent of instructor. 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** One of the history of philosophy sequence. A focused study of one or two areas of twentieth-century continental philosophy. These areas include phenomenology, existentialism, hermeneutics, and postmodernism. Philosophers studied include Husserl, Heidegger, Sartre, Gadamer, Derrida, and Foucault. Combines lecture and discussion methods. Spring, even years.

**4306 TWENTIETH-CENTURY ANALYTIC PHILOSOPHY** One of the history of philosophy sequence. A study of empiricist metaphysics and epistemology in the twentieth century including philosophers such as Russell, Wittgenstein, Ayer, Lewis, Ryle, Quine, and Davidson. Combines lecture and discussion methods. Fall, even years.

**4310 SENIOR THESIS IN PHILOSOPHY** Individual research leading to the writing of a major philosophical paper. Elective for majors. Prerequisite: Consent of instructor. On demand.

**4330 PHILOSOPHY OF LANGUAGE** An elective course for majors or minors in philosophy but open to others with interest in the topic. An inquiry into the nature of language in its relations to consciousness, logic, social behavior and reality. Combines lecture and discussion. On demand.

**4350 HEALTH CARE ETHICS** An elective designed primarily for students of the health sciences, physical therapy specifically, but also will count toward a major or minor in philosophy. A study of the issues and principles of ethics related to health care. Topics include ethical reasoning, bioethics, and individual case studies of problems arising within the practice of various health care fields. Prerequisite: One philosophy course or consent of the instructor. Spring.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.05.07

### POLITICAL SCIENCE

**Interim Chair (Geography and Political Science) and Professor:** Dr. Whistler, 450-5693

**Professors:** Dr. Wekkin

**Associate Professors:** Dr. McInnis, Dr. J. Passé-Smith

**Assistant Professors:** Dr. Mullenbach, Dr. Hoffman

**Laboratory Instructor:** Ms. M. Passé-Smith

#### [1] Purposes

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The primary objective of the undergraduate political science program, located in the Department of Geography and Political Science, is to provide students with the conceptual and analytical tools for understanding political institutions and processes. 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 government.

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.

#### [2] The Honors Program in Political Science

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Senior students who have demonstrated exceptional achievement in political science may participate in the honors program. Successful completion of the program allows the student to graduate with honors in political science. The requirements are

1. Major in political science, including public administration;
2. A minimum overall grade point average of 3.25 and a 3.40 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.

#### [3] Baccalaureate Degrees

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##### [3.1] Bachelor of Arts/Bachelor of Science in Political 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) major requirements listed below, and (4) a minor approved by the student's minor advisor.



## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### POLITICAL SCIENCE

Return to [Political Science](#)

#### [1] Courses in Political Science (PSCI)

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**1330 UNITED STATES GOVERNMENT AND POLITICS** Part of the general education program as either an American history and government or a behavioral

lawyers and judges, and the political impact of court decisions. Lecture and discussion. Prerequisite: PSCI 1330. Fall, on demand.

**3382 POLITICS OF DEVELOPING NATIONS** An elective for the PSCI major and minor (but not limited to majors and minors). A study of the causes and consequences of political and economic development in the "Third World." Lecture and discussion. Prerequisite: PSCI 1330. Every three semesters beginning fall 1999.

**4300 CONSTITUTIONAL LAW** An elective for the PSCI major and minor (but not





[3.1.1] General Sociology

struggle for economic, political, and social survival of minorities will be analyzed. Lecture and discussion. Prerequisite: SOC 1300. Spring.

**3315 NATIVE AMERICAN CULTURES** A requirement for all ethnic studies concentration majors and an elective for other majors and minors. A study of the traditional lifeways of early Native American societies by culture area. Additional emphasis is placed on modern influences on tribal life resulting from treaties, pan-Indianism, and political activities. Lecture and discussion. Prerequisite: SOC 1302 or consent of instructor. Fall, odd years.

**3320 SOCIAL RESEARCH METHODS** A requirement for all majors and an elective for minors. The research methods used in sociology with particular emphasis on student development of a research proposal. Lecture and discussion. Prerequisites: SOC 1300. Fall, spring.

**3340 URBAN SOCIOLOGY** An elective for majors and minors. format The historical development and importance of cities in modern society, the consequences of rural-urban population movements, and the social problems of contemporary urban life. Lecture and discussion. Prerequisite: SOC 1300. Summer, on demand.

**3350 THE FAMILY** An elective for majors and minors. An exploration of common family forms and processes. The topical areas cover a range of family events including mate-selection, childrearing, and divorce. Special emphasis will be placed on family demography, history, research methods, theory, and policy evaluation. Lecture and discussion. Prerequisite: SOC 1300. Fall.

**3360 SELF AND SOCIETY** An elective for majors and minors. An examination of the relationship between the psychology of the self and the social situations in which people act, emphasizing the role that symbols and language play in identity formation and social interaction in everyday life. Lecture and discussion. Prerequisite: SOC 1300. Fall.

**3361 GENDER ROLES** An elective for majors and minors. An in-depth look at gender roles in American society. By examining the social processes by which male and female biology is transformed into culture (gender and/or gender roles), this course seeks to make sense of the continuing differences and inequalities between women's and men's lives. Lecture and discussion. Prerequisite: SOC 1300. Fall.

**3370 CRIMINOLOGY** A requirement for all criminology concentration majors and an elective for other majors and minors. A study of law-breaking behavior in complex social environments. Emphasis is placed on the definition and measurement of crime, methods of crime analysis, and theoretical explanations of crime. Additional emphasis is placed on legal and social policy regarding crime control and prevention. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Fall, spring, summer.

**3371 JUVENILE DELINQUENCY** A requirement for all criminology concentration majors and an elective for other majors and minors. A study of juvenile rule/status violating behavior. Emphasis is placed on the definition and measurement of delinquency and theoretical explanations for delinquent behavior. Additional emphasis is given to description and evaluation of delinquency control agencies.

Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Fall, spring, summer, on demand.

**3381 DEATH AND DYING** An elective for majors and minors. An examination of death and dying as social processes, including the rites, practices, and social meanings associated with death and dying in this society as well as cross-cultural observations of death practices. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Fall.

**3398 TRAVEL SEMINAR IN A SPANISH SPEAKING COUNTRY** An elective for majors and minors. Cross-listed with SPAN 3398. This course includes four weeks of intensive study with classes in Spanish conversation focusing on health-related issues as well as a sociological exploration of the Hispanic health culture. Students will tour health care facilities and observe medical practices while living with indigenous families. Three hours credit in sociology and three hours credit in Spanish. Prerequisites: SPAN 2320, SOC 1300 or 1302, or consent of instructor. Summer.

**4300 SOCIOLOGY OF RELIGION** An elective for majors and minors. An examination of religion as a social institution and its relationship to other institutions in American society, emphasizing the social development and consequences of religious beliefs and practices for both groups and individuals. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Spring.

**4301 SOCIAL MOVEMENTS AND SOCIAL CHANGE** An elective for majors and minors. An examination of the role played by social movements in bringing about or resisting change in times of social upheaval. Emphasis is placed on those factors that lead to the rise of new movements, as well as those that determine movements' success or failure in achieving their objectives. Lecture and discussion. Prerequisite: SOC 1300. Spring.

**4320 SOCIOLOGY OF WORK** An elective for majors and minors. Work and its organization, with emphasis on sociological factors affecting work motivation and effectiveness as well as the impact of workplace structure on individual behavior. Lecture and discussion. Prerequisite: SOC 1300. Summer, on demand.

**4321 SOCIAL POLICY ANALYSIS** An elective for majors and minors. Introduction to the process and product of social policy. Considerable attention is given to understanding the general stages of the policy process, and employing this information to analyze major contemporary social policy issues relating to employment and wages, poverty and welfare, health care, the environment, etc. Lecture and discussion. Prerequisite: SOC 1300. Summer, on demand.

**4322 SOCIOLOGY OF MENTAL ILLNESS** An elective for majors and minors. This course compares and contrasts the major theoretical paradigms which account for mental illness, investigates the social factors influencing the genesis, diagnosis and treatment of mental illness, and explores the social consequences of entry into the role of mental patient. Lecture and discussion. Prerequisite: SOC 1300. Fall, even years.

**4330 SOCIAL THEORY** A requirement for all majors and an elective for minors. This



## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
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### **WORLD LANGUAGES, LITERATURES, AND CULTURES**

**Chair and Associate Professor:** Dr. Bailey, 450-5645

**Associate Professors:** Dr. Brodman, Dr. Langston, Dr. Pouwels, Dr. Zambrano

**Assistant Professors:**

### [7.1.1] 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 (French 3312 or 3315; Spanish 3312, 3313, or 4396);
  - Three hours of literature (French 3315, 3320, 3321 or 4395); Spanish 3320, 3321, or 4395) Note: French 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.
  - One course at the 4000 level (Spanish majors only).
  - French 4350 (French majors only)
2. Satisfactory performance on proficiency tests upon entrance to and exit from the major program.
3. A minimum grade of C in each course applying to the major program.

### [7.1.2] 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 (French 3312 or 3315; German & Spanish 3312, 3313, 4396)
  - Three hours of literature (French 3315, 3320, 3321, or 4395); German & Spanish 3320, 3321, or 4395) Note: French 3315 may not be taken twice in fulfillment of both the culture and literature area requirements
2. Satisfactory performance on proficiency tests upon entrance to and exit from the program.
3. A minimum grade of C in each course applying to the major program.

### [7.2] Bachelor of Arts with Teacher Licensure and ESL Endorsement

The BA curriculum may be combined with preparation for P-8 and 7-12 Foreign Language Education licensure. For further information, contact the Chair of the Department of World Languages, Literatures, and Cultures (450-5645), the Chair of the Department of Middle/Secondary Education and Instructional Technologies (450-3177), or the Office of Candidate Services and Field Experience (450-3131).

**ESL Endorsement Courses:** All teacher candidates with a major in foreign language who complete the teacher licensure program at UCA will graduate with ESL endorsement. In addition to WLAN 4315, 4325, and 4330 (described below), students must take EDUC 3309 in the College of Education.

### [8] Proficiency Tests

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All language majors and minors will be required to take a general proficiency test in the language before enrolling in upper-division courses. Exit assessment

examinations in the language, literature, and culture of the target language are also required for all majors during the senior year. Additional courses will be required for students with deficiencies.

### [9] Master's Degrees

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See *Graduate Bulletin*.

### [10] Courses offered in English (WLAN)

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secondary school setting (grades 7-12). Requires full-day involvement and seminars. Taken concurrently with WLAN 4680. Prerequisites: Admission to teacher education and successful completion of Internship I. Spring.

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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### **WORLD LANGUAGES, LITERATURES, AND CULTURES**

Return to

in a program approved by the chair of the Department of World Languages, Literatures, and Cultures. French 2340 cannot be counted toward the major or minor in French, nor can it be used to fulfill the three credit hours required at the intermediate level for the B.A. foreign language requirement. Prerequisite: FREN 1320. 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** In-depth study of grammar and practice in communication skills including increased writing in French. Discussion/lecture. Prerequisite: FREN 2320 or consent of chair. On demand.

**3303 ADVANCED GRAMMAR AND COMPOSITION II** In-depth study of the French language and introduction to textual analysis/explication de texte with an emphasis on stylistics and rhetoric. Discussion/lecture. Prerequisite: FREN 2320 or consent of chair. On demand.

**3312 FRENCH CIVILIZATION** Survey of historical, political, and social elements of French society with an analysis of modern French customs and social problems. Discussion/lecture. Prerequisite: FREN 2320 or consent of chair. On demand.

**3315 ISSUES OF CULTURAL IDENTITY IN THE FRANCOPHONE WORLD** Topics course in issues of cultural identity in the French-speaking world. Areas of study may include the literature and culture of French-speaking North America, Africa, Indochina, and the French Antilles. With approval by the Department Chair, French 3315 may count as either a literature course or a culture course to fulfill major area requirements. Discussion/lecture. Prerequisite: French 2320 or consent of Chair. On demand.

**3320 FRENCH LITERATURE I** Survey of French literature before 1800. Discussion/lecture. Prerequisite: FREN 3300 or consent of chair. On demand.

**3321 FRENCH LITERATURE II** Survey of major French literary movements since 1800, including romanticism, realism, symbolism, surrealism and existentialism. Thematic focus on the self in society in 19th- and 20th-century French literature.

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### WORLD LANGUAGES, LITERATURES, AND CULTURES

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#### [1] Courses in German (GERM)

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**1111, 1211 BASIC GERMAN COMMUNICATION** Oral practice in basic German communication for social and travel situations. Laboratory or classroom setting. Use of videos, CAL programs and authentic materials to model real-life language 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. GERM 1305 does not count toward the BA requirement. Discussion/lecture. On demand.

**1310 ELEMENTARY GERMAN I** Beginning study of German. Basic comprehension and communication skills are emphasized. Text materials correlated with a video program presenting language and culture in real-life situations. Listening comprehension practice through audio-CD supplements to the text. Discussion/lecture. Fall, spring.

**1320 ELEMENTARY GERMAN II** Continued practice in comprehension and communication skills. Discussion/lecture. Prerequisite: GERM 1310 or consent of chair. Fall, spring.

**2112, 2212 COMMUNICATING IN GERMAN I AND II** Oral practice of German in social, travel, and business situations. Do not fulfill BA foreign language requirement. On demand.

**2310 GERMAN CONVERSATION AND COMPOSITION I** Basic review with practice in listening and reading comprehension and in oral and written communication. Discussion/lecture. 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 rman in

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### WORLD LANGUAGES, LITERATURES, AND CULTURES

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#### [1] Courses in Japanese (JAPN)

**1310 ELEMENTARY JAPANESE I** Beginning study of Japanese. Basic skills are emphasized. Discussion/lecture. Fall.

**1320 ELEMENTARY JAPANESE II** Continuation of the study of grammar and communication skills. Discussion/lecture. Prerequisite: JAPN 1310 or consent of chair. Spring.

**2310 JAPANESE CONVERSATION AND COMPOSITION I** Continuation of structure and skills development. Discussion/lecture. Prerequisite: JAPN 1320 or consent of chair. On demand.

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### **WORLD LANGUAGES, LITERATURES, AND CULTURES**

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demand.

**3321 SPANISH AMERICAN LITERATURE** Literature of the Hispanic world, with emphasis on Latin America. Discussion/lecture. Prerequisite: SPAN 3300 or 3303 or consent of chair. On demand.

**3340 INTENSIVE ORAL PRACTICE ABROAD IN SPANISH** Intensive practice in speaking Spanish. Student must receive a minimum of 45 hours of classroom instruction, which may be supplemented by field experiences. Students must study in a program approved by the chair of the Department of World Languages, Literatures, and Cultures. Students may only count three credits of Intensive Oral Spanish Abroad (3340) toward the major in Spanish. Prerequisite: SPAN 2320. 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 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: SPAN 2320 or consent of chair. Summer only.

**4310 UNDERGRADUATE SCHOLAR'S THESIS** Tutorial taken in the senior year by a student who is invited to enter the undergraduate scholar's program in Spanish. A reading list will provide the foundation for a thesis to be written by the honors candidate. To qualify, the student must earn a grade of A or B on the thesis. Prerequisite: Departmental invitation.

**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. Discussion/lecture. Prerequisite: SPAN 3300 or 3303 or consent of chair. On demand.

**4360 SPANISH FOR MEDICAL PROFESSIONS** A topics course designed to provide intensive study of vocabulary, grammatical structures, interview techniques, and cultural information useful to health care professionals. Students will examine current issues related to serving the medical needs of the Hispanic population. The course will be tailored to one of the health professions. May not be presented as part of the Spanish major or minor requirements. Prerequisite: SPAN 2320 or consent of the 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. Discussion/lecture. Prerequisites: 3300 or 3303 and 3312 or 3321 or consent of chair. On demand.

**4396 HISPANIC STUDIES** Theme course. Special studies relating modern  
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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
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### COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

**Dean and Professor:** Dr. Toll, 450-3199

**Associate Dean and Associate Professor:** Dr. Addison, 450-3199

#### **[1] Mission**

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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 colleg-f Cei8niv w3n

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		SCH
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
405/505	Marine Ecology	3
405L/505L	Marine Ecology Lab	2
407/507	Marine Aquaculture	3
407L/507L	Marine Aquaculture Lab	3
408/508	Marine Ichthyology	3
408L/508L	Marine Ichthyology Lab	3
421/521	Coastal Vegetation	2
421L/521L		



**2407 STRUCTURE AND FUNCTION OF THE HUMAN BODY II** A course primarily for health science majors. This course is a continuation of BIOL 2406 and covers the endocrine, cardiovascular, respiratory, digestive, excretory, and reproductive systems. Laboratory emphasis on physiologic testing of students. Lecture and laboratory. Prerequisite: BIOL 2405 or 2406. Fall, spring.

**2411 MICROBIOLOGY IN HUMAN AFFAIRS** A course primarily for health science majors. This course introduces basic concepts of bacteriology, virology, immunology, pathogenic microbiology, and food microbiology. Lecture and laboratory. Prerequisite: BIOL 1400 or 1440. Fall, spring, summer.

**2420 HISTOLOGY FOR HEALTH SCIENCES** A course primarily for health sciences majors. This course provides an introduction to the structure and function of tissues and explores how tissues contribute to the normal function of an organism. Prerequisites: BIOL 1440. Fall, summer.

**2490 GENETICS** A core course for majors. This course introduces students to the basic concepts of heredity and natural variation, including elements of classical, molecular, and population genetics. Lecture and laboratory. Prerequisite: BIOL 1441. Fall, spring, summer.

**3360 INTRODUCTION TO MARINE BIOLOGY** An elective course for biology majors. This course provides an introduction to the marine environment as habitat, to the biota of various marine communities, and to human impacts such as over-harvesting and pollution. Lecture only. Prerequisites: BIOL 2490, CHEM 1451, and PHYS 1410. Fall.

**3370 INTRODUCTION TO NEUROSCIENCE** A course primarily for health science majors. This course examines the relationship between the human nervous system and behavioral output, including organizational features, sensory transduction, control of movement, and the circuits involved with emotions and rational thought. Lecture only. Prerequisites: BIOL 2405 or 2406, and CHEM 1402 or 1450, or permission of instructor. Fall, summer.

**3380 BIOLOGY OF HIV/AIDS** An elective course for biology majors. This course involves comprehensive study of HIV origins, cellular transmission mechanisms, biochemistry, immunology, opportunistic diseases, testing, treatments, vaccines, and animal models. Prerequisites: BIOL 2490. On demand.

**3390 ECONOMIC BOTANY** An elective course for biology majors. This course addresses the impact that plants have on modern society, and includes discussion of major food crops, plants used for paper and wood, medicinal plants, and the role of plant biotechnology in crop improvement. Lecture only. Prerequisite: BIOL 2490. On demand.

**3402 CELL BIOLOGY** A core course for majors. This course examines cell structure and function with an emphasis on bioenergetics, protein function, and proteins, delivery of proteins to the various organelles found in eukaryotic cells. Lecture and laboratory. Prerequisites: BIOL 2490, MATH 1390 or above, CHEM 2401, and PHYS 1410. Fall, spring, summer.

course involves the basic principles of development at all levels of organization of the embryo. Lecture and laboratory. Prerequisite: BIOL 2490. Spring.

**4410 BIOLOGY OF LOWER PLANTS AND FUNGI** An elective course for biology majors. This field biology course examines mosses, ferns, algae, and fungi as they are found in natural habitats. Lecture and laboratory. Prerequisite: BIOL 2490. Spring, alternate years.

**4415 EVOLUTION** An elective course for biology majors. This course introduces biological evolution from the Darwinian and Neo-Darwinian perspectives and emphasizes mechanisms of evolutionary change and an overview of the history of life on earth. Lecture and laboratory. Prerequisite: BIOL 2490. Fall, spring.

**4425 EXPERIMENTAL NEUROBIOLOGY** An elective course for biology majors. This course introduces students to the structure and function of invertebrate and vertebrate nervous systems. Laboratory exercises involving invertebrates present techniques for studying nervous system function and research design. . Lecture and laboratory. Prerequisite: BIOL 2490, CHEM 1402 or 1450, PHYS 1420. Fall.

**4430 COMPARATIVE VERTEBRATE ANATOMY** An elective course for biology majors. This course examines the comparative gross anatomy of vertebrates. Laboratory work includes dissection of the dogfish shark, Necturus, and cat. Lecture and laboratory. Prerequisite: BIOL 2490. Spring.

**4435 ANIMAL BEHAVIOR** An elective course for biology majors. This course analyzes animal behavior from an ecological and evolutionary perspective. Lecture and laboratory. Prerequisites: BIOL 2490 and CHEM 1451. Pre- or corequisite: MATH 2311. Spring.

**4440 ENTOMOLOGY** An elective course for biology majors. This course involves study of the classification, evolution, anatomy, physiology, behavior, and ecology of insects. The course also explores how insects affect our lives and how harmful insects are controlled. Prerequisite: BIOL 2490. On demand.

**4445 BIOMETRY** An elective course for biology majors. This course involves applied biological statistics with an emphasis on experimental design and data analysis. Lecture and laboratory. Prerequisites: BIOL 2490 and MATH 2311. On demand.

**4450 PLANT ECOPHYSIOLOGY** An elective course for biology majors. This course involves study of the metabolism of plants, with emphasis on cell function, energy relations, translocation, nutrition, and developmental regulation. Lecture and laboratory. Prerequisite: BIOL 1440 and 1441, MATH 2411 (or equivalent statistics course). Fall, alternate years.

**4460 ANIMAL PHYSIOLOGY** An elective course for biology majors. This course examines the function of the organ systems in vertebrate and invertebrate animals. Laboratory work includes collection and analysis of data using living material. Lecture and laboratory. Prerequisite: BIOL 3402. Spring.

**4461 PARASITOLOGY** An elective course for biology majors. This course

introduces students to the taxonomy, morphology, ecology, and life cycles of animal parasites. Lecture and laboratory. Prerequisite: BIOL 2490. Spring, alternate years.

**4470 BIOLOGY OF SEED PLANTS** An elective course for biology majors. This course involves study of the adaptations that have made seed plants the most successful plants in the biosphere. Laboratory exercises have strong field orientation. Lecture and laboratory. Prerequisite: BIOL 2490. Spring, alternate years.

**4420 GENERAL MICROBIOLOGY** An elective course for biology majors. This course involves basic concepts of bacteriology, virology, molecular biology, immunology, and pathogenic microbiology. Open only to biology majors unless instructor's permission obtained. Lecture and laboratory. Prerequisite: BIOL 1441. Fall, spring.

**4530 EXPERIMENTAL MOLECULAR BIOLOGY** An elective course for biology majors. This course introduces students to the molecular biology of nucleic acids with an emphasis on biotechnology and genetic engineering. The laboratory experience is a major component of this course. Lecture and laboratory. Prerequisite: BIOL 3402. Spring, alternate years.

**4540 IMMUNOLOGY** An elective course for biology majors. This course covers cellular and molecular aspects of immunity, clinical immunology techniques, immune diseases and disorders, and the role of the immune system during infection and cancer. Lecture and laboratory. Prerequisites: BIOL 2490 and 3402 or 4525. Spring, alternate years.

**3X45 INTERNSHIP IN BIOLOGY** An elective course for biology majors who have completed 60 hours of course work with a GPA of a least 2.5. An internship is an opportunity to apply classroom experience in biology to an employment situation. Internships are normally limited to one semester. Up to 4 hours of biology elective credit may be satisfied by an internship experience. Prerequisites: Approval of the department and selection by sponsor.

**3150, 3250, 3350, 3450, 4355, 4455 INDEPENDENT STUDY** 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. Fall, spring, summer.

#### [Courses at the Gulf Coast Research Laboratory](#)

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### CHEMISTRY

**Chair and Professor:** Dr. Stanitski, 450-3152  
**Professors:** Dr. Krause, Dr. Manion, Dr. Paul, Dr. Taylor  
**Associate Professors:** Dr. Desrochers, Dr. Dorey  
**Assistant Professors:** Dr. Isom, Dr. Tarkka, Dr. Weaver

#### [1] Purposes

The Department of Chemistry curriculum provides a broad range of instruction in chemistry. It includes a general education course and lower-division courses in general chemistry and organic chemistry for students with a wide variety of career goals such as a major in one of the natural sciences, pre-healing arts (nursing, medicine, dentistry, veterinary medicine), engineering, or secondary school 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.

#### [2] The Honors Program in Chemistry

Junior or senior students with an overall GPA of 3.25, 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 writ 0 scrr(wThs.,re [( try pr012 Tcimittee5.3( a chy001 Tc7l5.4(instruitti-1.1202 5.5(try )TTw[ w prTw[ w eG dHr)-4.6(o)5.6(no)5.62 arts )5.5,oAoAoAoAsc0.R(T)5202 5.5as1scnr([3] Ba ca

recommendation for teacher licensure by completing the required licensure program. Interested students should consult their major advisor and the science education advisor in the College of Natural Sciences and Mathematics and the chair of the Department of Middle/Secondary Education and Instructional Technologies(450-3177) or the Office of Candidate Services and Field Experience (450-3131) in the College of Education.

### **[5] Courses in Chemistry (CHEM)**

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Follow this link for CHEM course descriptions: [course link](#).

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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### **CHEMISTRY**

Return to [Chemistry](#)

### **[1] Courses in Chemistry (CHEM)**

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**1301 FUNDAMENTAL CHEMISTRY** The purpose of this course is to provide the background necessary for subsequent study in chemistry. Basic concepts of chemistry for students with limited or no previous chemistry instruction. Lecture,

chemistry faculty member. Open to sophomores. Prerequisite: CHEM 1451. Fall, spring.

**2401 ORGANIC CHEMISTRY I** Required for a chemistry major and for many health-profession areas including pre-dentistry, pre-medicine, and pre-pharmacy. Focuses on structure, physical properties, reactivity patterns, and stereochemistry of hydrocarbons and halogenated hydrocarbons. Introduces students to the design of multi-step syntheses and the use of reaction mechanisms to explain chemical behavior. In the laboratory, students learn basic microscale and macroscale laboratory techniques and develop scientific reasoning skills. Laboratory experiments are chosen that clarify and demonstrate the basic chemical principles encountered in lecture. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: grade of C or better in CHEM 1451. Fall, Summer I.

**2450 PHYSIOLOGICAL CHEMISTRY II** Continuation of CHEM 1402; a required course for BS in Nursing and other allied-health baccalaureate degrees. Organic and biochemistry topics related to human health.

chemistry faculty member. Open to juniors. Prerequisite: CHEM 1451. Spring.

and data retrieval. Seminar presentations. Two hours of lecture per week.  
Prerequisite: CHEM 3411. Fall.

**4301 LABORATORY MANAGEMENT** Provides school science teachers with skills needed to integrate laboratory experiments efficiently and safely into the science curriculum. Major topics include evaluation of facilities, selection of experiments, teaching strategies, record keeping, ordering supplies, and laboratory safety. Three hours of lecture per week. 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 I** Required course for the ACS-certified chemistry BS degree and an elective in the non-ACS certified chemistry BS degree. 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. Three hours of lecture per week. Prerequisite: CHEM 3411. Fall.

**4335 BIOCHEMISTRY II** Continuation of CHEM 4320. Three hours of lecture per

## UCA UNDERGRADUATE BULLETIN 2002-2004

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### COMPUTER SCIENCE

**Chair and Professor:** Dr. Hu, 450-3401

**Associate Professor:** Dr. Tomer

**Lecturers:** Mr. Smith, Mrs. Thessing

**Instructors:** Mrs. Hambuchen, Mr. Igolnikov

#### **[1] Purposes**

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The department offers a computer science curriculum leading to the Bachelor of Science with a major in computer science. The degree emphasizes problem solving in the context of software development and prepares students for the software engineering field. The BS program includes a significant number of courses in mathematics and the sciences. The departmental curriculum provides courses in programming languages, software design techniques, computer organization, data structures, operating systems, and other topics in computer science. The purpose of the BS in computer science is twofold: (1) to prepare the student for a software engineering position involving 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 is designed to give the

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### **COMPUTER SCIENCE**

Return to [Computer Science](#)



communications. Prerequisite: Consent of instructor. Spring.

**3350 FILE STRUCTURES** A required course for majors. 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 2320. Fall.

**3370 PRINCIPLES OF PROGRAMMING LANGUAGES** A required course for majors and minors. 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 2320. Spring.

**3380 COMPUTER ARCHITECTURE I** A required course for majors. Topics include arithmetic and logic unit, control unit, memory system, I/O system, instruction format, instruction implementation, and program flow control. Prerequisite: CSCI 2440. Fall.

**3381 OBJECT-ORIENTED SOFTWARE DEVELOPMENT I** An elective for majors. This course introduces object-oriented programming. It covers the object oriented programming basics, building applets, multimedia handling, network programming techniques, and multi-thread programming techniques in an object-oriented language. The emphasis of this course is object-oriented programming techniques and network-related programming techniques. Prerequisites: CSCI 2320, 3350. Spring.

**3385 ARTIFICIAL INTELLIGENCE I** An elective for majors. Introduces the elements of artificial intelligence covering knowledge representation and pattern matching, search techniques, natural language processing, logic and inference, machine



#### [4.3.1] Major in Mathematics Education

MATH 1591, 1592, 2371, 3320, 3360, 3362, 3370, 4301, 4345, 4350, 4360 (Teaching Internship I), 4371, 4680 (Teaching Internship II), 4681 (Teaching Internship II) and a minimum of three hours of electives chosen from the following courses: MATH 3331, 4340, 4362, 4372, 4375, 4385. No minor is required. This major also requires the following professional education courses: EDUC 1220, 1300, 3309, 3320, and MSIT 3310, 4305, 4320, 4325.

#### [4.3.2] Minor in Mathematics Education (25 hours)

MATH 1591, 1592, 3360, 3370, 4301, 4345 and three hours of electives selected from the following courses: MATH 2371, 3320, 3331, 3362, 4371, 4375.

#### [5] Master's Degree

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See *Graduate Bulletin*.

#### [6] Courses in Mathematics (MATH)

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Follow this link for MATH course descriptions: [course link](#).

#### [7] Transitional Course (UNIV)

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See [University College](#) for UNIV 1340 INTERMEDIATE ALGEBRA.

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## UCA UNDERGRADUATE BULLETIN 2002-2004

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### MATHEMATICS

Return to [Mathematics](#)

#### [1] Courses in Mathematics (MATH)

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**1150 MATHEMATICS DISCOVERY SEMINAR** The purpose of the seminar is to improve students' analytical thinking and problem-solving skills early in their mathematics careers by introducing the logical foundations of mathematics and by developing and implementing group and individual problem-solving strategies. Seminar format. Prerequisite: MATH 1390 or equivalent. On demand.

**1191 MATHEMATICS SOFTWARE** This course is required for a major in applied mathematics. As an introduction to computer algebra software, such as Mathematica, Derive, and other current software, this course provides students with basic computer skills for applications throughout the mathematics curriculum and prepares students who are enrolled in calculus or pre-calculus to use technology to enhance their understanding of mathematics. Laboratory. Prerequisite: MATH 1390 or equivalent. Recommended Corequisite: MATH 1591. Fall, spring.

**1360 MATHEMATICS IN SOCIETY** This course satisfies the general education aims of the university through the study of topics in contemporary mathematics. Upon completion of the course, students will be able to apply principles of mathematics to real-world situations, create mathematical and statistical models of the situations, and utilize the models to solve problems. The primary method of instruction is lecture/demonstration. Prerequisite: Math ACT of 19 or higher or C or better in UNIV 1340. Fall, spring.

**1390 COLLEGE ALGEBRA** This course satisfies the general education aims of the university by providing a solid foundation of algebraic concepts. The course includes the study of functions, relations, graphing, and problem solving, and provides a knowledge of how to apply these concepts to real problem situations. The primary method of instruction is lecture/demonstration. Prerequisite: MATH ACT of 19 or higher or C or better in UNIV 1340. Fall, spring, summer.

**1392 PLANE TRIGONOMETRY** Coupled with College Algebra (MATH 1390), this course satisfies the prerequisites for Calculus I (MATH 1591) as an alternative to MATH 1580. Topics include angles and triangles and their measure, graphs and applications of trigonometric functions, and inverse trigonometric functions, vectors, polar coordinates, and complex numbers. Lecture/demonstration format. Prerequisite: MATH 1390 or equivalent. Fall, spring, summer.

**1395 APPLIED CALCULUS FOR BUSINESS AND ECONOMICS** As a component of the business foundation, this course is a requirement for all majors in the College of Business Administration. The course is an introduction to matrix algebra and

calculus involving algebraic, exponential, and logarithmic functions including quantitative methods and applications used in business, finance, and economics. Problem solving and calculator technology (matrices, numerical methods, graphing) will be emphasized. Prerequisite: MATH 1390 or equivalent. Fall, spring, summer.

**1396 CALCULUS FOR THE LIFE SCIENCES** This course is a brief introduction to calculus and will include differentiation and integration of polynomial, exponential, and logarithmic functions, solutions of basic differential equations, and the application of these techniques to solve physical problems particularly in the life sciences such as biology. Prerequisite: MATH 1390 or equivalent. Fall, spring.

**1580 ALGEBRA AND TRIGONOMETRY** Designed for students who plan to study calculus this course may be used to meet the general education requirement in mathematics and includes the study of concepts of algebra and trigonometry essential to the study of calculus. Technology such as the graphics calculator is used extensively. Meets five days a week. Lecture/Activity Format. Not open to students who already have credit for MATH 1390 or MATH 1392. Prerequisite: Math ACT of 19 or higher or C or better in UNIV 1340. Fall, spring.

**1591 CALCULUS I** As a prerequisite for nearly all upper-division mathematics, this course is a requirement for majors and minors in mathematics and other majors in the natural sciences and engineering. The content includes the study of limits, continuity, derivatives, integrals, and their applications. Lecture and problem solving activities. Prerequisites: C or better in MATH 1390 and C or better in MATH 1392, or C or better in MATH 1580, or equivalent. Fall, spring.

**1592 CALCULUS II** This course is required of all students majoring or minoring in mathematics, chemistry, or physics. Topics include applications of the definite integral, techniques of integration, infinite series, conics, parametric equations, polar coordinates, vectors, and vector functions. This course is a prerequisite for Calculus III and most of the upper division mathematics courses. Lecture format. Prerequisite: C or better in MATH 1591 Fall, spring.

**2311 STATISTICAL METHODS I** This course may be used to satisfy the statistics requirement in several degree programs. No credit can be awarded for more than one introductory statistics course. The course introduces the basics of descriptive statistics, probability theory, and statistical inference. The use of appropriate technology is emphasized. Lecture/Activity format. Prerequisite: MATH 1390 or equivalent. Fall, spring, summer.

**2320 ADVANCED MATHEMATICAL TOPICS FOR MIDDLE LEVEL TEACHERS** This course is a requirement in the middle level mathematics/science education major. The primary goal is to connect middle school mathematics content with advanced mathematics. Topics include the concepts of derivative, integral, Pick's Theorem, Monte Carlo method, rates of change, and partitioning methods. In addition to the mathematics content, the course focuses on instructional methods, strategies, and connections to science topics. Delivery is mainly through discussion and problem solving activities. Prerequisite: MATH 1360 and 1390. Fall.

**2330 DISCRETE STRUCTURES** This course provides a mathematical foundation for applications in computer science and for the development of more advanced

mathematical concepts required for a major in computer science. Topics include sets, relations, functions, induction and recursion, graphs and digraphs, trees and languages, algebraic structures, groups, Boolean algebra, and finite state machines. Lecture and problem-solving activities. Prerequisite: MATH 1591 and CSCI 1470. Fall, spring.

**2371 CALCULUS III** This course is a continuation of Calculus II and is required of all majors in mathematics, chemistry, and physics. Topics include vector valued functions, partial differentiation, multiple integrals, Green's theorem, and Stokes' theorem. Lecture format. Prerequisite: C or better in MATH 1592. Fall, spring.

**3311 STATISTICAL METHODS II** This course is a further introduction to statistical data analysis, including multiple linear regression, experimental designs, and analysis of variance (ANOVA). Statistical computer software will be used. Prerequisite: MATH 2311 or equivalent and consent of instructor. On demand.

**3320 LINEAR ALGEBRA** This course is required for all majors in mathematics and computer science. This course introduces students to matrix algebra, vector spaces, linear transformations, and Eigenvalues. Optional topics include inner product spaces, solutions to systems of differential equations, and least squares. Lecture format. Prerequisite: MATH 1592 or 2330. Fall, spring, summer.

**3331 ORDINARY DIFFERENTIAL EQUATIONS** This course is required for a ALGtinclue4tiveoLGTinclue4t5.5

MATH 3360. Spring.

**3370 MATHEMATICS IN THE SECONDARY SCHOOLS** This course is designed for secondary mathematics education majors. The main goal is to review the mathematics curriculum currently taught in secondary schools and the corresponding curricular materials and instructional strategies. Class discussions, presentations, curriculum critiques, and the NCTM standards are central to the course. Prerequisite: Admission to Secondary Teacher Education or the intent to

**4363 ADVANCED CALCULUS II** This course is an elective for mathematics and applied mathematics majors. This course is a multivariable treatment of Advanced Calculus topics that include a rigorous study of partial differentiation, multiple integrals, Implicit Function Theorem, Fubini's Theorem, line integrals, and surface integrals. Prerequisite: MATH 4362. Spring.

**4371 INTRODUCTION TO PROBABILITY** This course is required for all majors in mathematics, mathematics education, and applied mathematics. This calculus-based introduction to probability and the distributions and properties of several discrete random variables includes hypergeometric, geometric, binomial, negative binomial, Poisson, and the distributions and properties of several continuous random variables, including normal, gamma, uniform, chi-squared, t, and F. Lecture format. Prerequisite: MATH 1592. Fall.

**4372 INTRODUCTION TO STATISTICAL INFERENCE** This course is required for majors in applied mathematics and serves as an elective for majors in mathematics. This introduction to the theory of statistical inference includes sampling distributions, point and interval estimation, hypothesis testing, and linear models. Lecture and projects. Prerequisite: MATH 4371. Spring.

**4373 APPLIED STATISTICS** This course is an elective course for majors in mathematics and applied mathematics. This introduction to simple and multiple linear models and the analysis of variance (ANOVA) includes estimating the parameters of linear models and testing estimates. Students will learn basic designs of experiments and data analysis using ANOVA and examine applications in science, business, and industry. Lecture and projects. Prerequisite: MATH 4372. Fall.

**4375 INTRODUCTION TO TOPOLOGY I** This course is an elective for all mathematics majors and minors. This introduction to generalizations of the notion of continuous includes the study of minimum conditions on a set necessary to describe continuity functions. This is accomplished in a formal setting via point set topology and informally using examples from a variety of different sources including knots, surfaces, and function spaces. Lecture/seminar format. Prerequisite: Consent of instructor. On demand.

**4380 SPECIAL PROBLEMS IN MATHEMATICS** This course is an independent study or research project in a selected area of advanced mathematics. Prerequisite: Consent of instructor. Fall, summer.

**4381 SPECIAL PROBLEMS IN MATHEMATICS** This course is an independent study or research project in a selected area of advanced mathematics. Prerequisite: Consent of instructor. Spring, summer.

**4385 COMPLEX ANALYSIS** This course is an elective for majors and minors in mathematics. The content of the course includes the arithmetic and geometry of the complex numbers, extension of transcendental functions to the field of complex numbers, analytic function theory, contour integration, and the Cauchy Integral Theorem, series, calculus of residues, and harmonic functions. This course is fundamental to physics and engineering as well as an extensive source of problems in pure mathematics. Lecture and discussion. Prerequisite: MATH 2371. On

demand.

**4510 MATHEMATICS CONCEPTS FOR MIDDLE SCHOOL** This course is required in the middle level mathematics/science degree and is designed to demonstrate the connections among all the strands in the middle school curriculum and to develop the strands through research and standards-based materials. The course emphasizes the middle level transition from arithmetic to algebraic thinking and formal reasoning. Standards-based activities and assessments, critiques, and curriculum analysis are central to the course. Prerequisites: MATH 4310 and admission to Middle Level Teacher Education. Spring.

**4680 TEACHING INTERNSHIP II** This course is designed for secondary preservice teachers. The primary goal is to provide teaching experience under supervision in a school setting. Full-day involvement at a school site and in seminars is required. Prerequisites: Admission to the Internship and completion of all professional education courses. Required Corequisite: MATH 4681. Spring.

**4681 TEACHING INTERNSHIP II** This course is designed for secondary preservice teachers. The primary goal is to provide teaching experience under supervision. Full-day involvement at a school site and in seminars is required. Prerequisites: Admission to the Internship and completion of all professional education courses. Required Corequisite: MATH 4680. Spring.

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

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### **PHYSICS AND ASTRONOMY**

**Chair and Associate Professor:** Dr. Addison, 450-5900

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

Electives (13 hours minimum) approved by the Department of Physics and



For the courses required in addition to the core and for a suggested sequence of physics and mathematics courses, please contact the department chair or visit the department's [home page](#) on the UCA website.

Physics hours required:	42
Mathematics hours required:	37
TOTAL	79

#### **[3.1.6] Physical Science Track (58 hours)**

The physical science track 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 at least 18 hours are 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.

For the courses required in addition to the core and for a suggested sequence of physics and chemistry courses, please contact the department chair or visit the department's [home page](#) on the UCA website.

Physics hours required:	24
Mathematics hours required:	13
Chemistry hours required:	21
TOTAL	58

#### **[3.1.7] Applied Physics Track (79 hours)**

The applied physics track is designed for the student whose interests lie in the application of the knowledge and methods of physics in industrial and practical situations. It offers excellent preparation both for immediate entry into the industrial work force and for engineering school. The program is unique among the tracks in that it contains an internship option, whereby the student obtains real-world experience that is integrated into his/her studies. Alternatively, the student might work on an application-oriented research project. The program also requires business courses to provide the student background for the business environment. The student's advisor will work closely with the student to achieve an optimal integration of studies and practical experience. This track does not require a minor.

For the courses required in addition to the core and for a suggested sequence of courses, please contact the department chair or visit the department's [home page](#) on the UCA website.

#### **[3.2] Minor in Physics (24 hours)**

Physics course requirements:

PHYS 1441 University Physics 1\*  
PHYS 1442 University Physics 2\*  
PHYS 2443 University Physics 3\*



celestial mechanics, stellar structure and evolution, galaxies, and cosmology. Lecture and Laboratory. Prerequisites: High school trigonometry and a grade of C or better in MATH 1390 or equivalent. Spring.

**2421 OBSERVATIONAL ASTRONOMY** A lower-division elective. Field work with telescopes and other equipment; methods for making celestial observations. Prerequisite: PHYS 1401 or 2411. Fall.

**4301 CONCEPTS OF PHYSICAL SCIENCE 1** For elementary, junior-high, and high school teachers. Forms a two-semester sequence with Concepts of Physical Science 2. Introduces the student to the basic concepts of physical science. Laboratory format. Prerequisite: Consent of instructor.

**4302 CONCEPTS OF PHYSICAL SCIENCE 2** Continuation of PHYS 4301. Laboratory format. Prerequisite: Consent of instructor.

## [2] Courses for Departmental Majors (PHYS)

**1100 PROJECTS IN PHYSICS** A lower-division elective. 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.

**1441 UNIVERSITY PHYSICS 1** Part of the major core. Forms a three-semester calculus-based survey of physics sequence with University Physics 2 and 3. Introduction to mechanics. Integrated lecture, discussion, workshop, laboratory format. Pre- or corequisite: MATH 1591. Fall.

**1442 UNIVERSITY PHYSICS 2** Part of the major core. Continuation of PHYS 1441. Introduction to waves, thermodynamics, and electromagnetism. Integrated lecture, discussion, workshop, laboratory format. Prerequisite: PHYS 1441. Pre- or corequisite: MATH 1592. Spring.

**2430 COLLEGE PHYSICS 3** For physics majors with a College Physics background. 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. Lecture and laboratory. Prerequisite: PHYS 1420; pre- or corequisite: MATH 1592.

**2443 UNIVERSITY PHYSICS 3** Part of the major core. Continuation of PHYS 1442. Introduction to optics, the special theory of relativity, the foundations of quantum theory with examples and applications, atomic structure, and subatomic physics. Lecture and laboratory. Prerequisite: PHYS 1442; pre- or corequisite: MATH 2371. Fall.

**3110 JUNIOR LABORATORY 1** Part of the major core. 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 2430. Fall.

**3120 JUNIOR LABORATORY 2** Part of the major core. 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 2430. Spring.

**3341 MATHEMATICAL METHODS IN PHYSICS** A study of vector calculus, matrices, complex variables, series solutions to differential equations, special functions, and other areas of mathematics that are important for physics. Emphasis in all areas is placed on problems encountered in physics and their solutions. Lecture. Prerequisites: PHYS 1442 or 1420 and MATH 2371, 3320. Spring.

**3342 MECHANICS** General principles of classical mechanics with an introduction to Hamilton's principle, Lagrange's equation, and the Hamilton-Jacobi equation. Lecture. Prerequisites: PHYS 1441 or 1410 and MATH 2371, 3331. Fall, even years.

**3343 THERMAL PHYSICS** The fundamental principles of thermodynamics and statistical physics. Lecture. Prerequisites: PHYS 2443 or 2430 and MATH 2371. Spring, odd years.

**3345 OPTICS** A study of geometrical and physical optics. Topics include reflection, refraction, wave, equation, interference, diffraction, polarization, absorption, and coherence. Lecture. Prerequisites: PHYS 2443 or 2430, and MATH 2371. Spring, even years.

**3353 QUANTUM THEORY 1** The physical foundation and mathematics of quantum theory; matrix and operator formalisms. Lecture. Prerequisites: PHYS 2443 or 2430, 3341. Fall, even years.

**3354 QUANTUM THEORY 2** Continuation of PHYS 3353. Approximation methods, perturbation theory, and applications to quantum systems. Lecture. Prerequisite: PHYS 3353. Spring, odd years.

**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. Lecture. Prerequisites: PHYS 1442 or 1420 and MATH 2371. Fall, odd years.

**3361 ELECTROMAGNETISM 2** Continuation of PHYS 3360. Propagation, reflection, refraction, and radiation of electromagnetic waves. Lecture. Prerequisite: PHYS 3360. Spring, even years.

**4110 SENIOR LABORATORY** Part of the major core. 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.

**4250 SCANNING ELECTRON MICROSCOPY AND MICROANALYSIS** An elective course for biology and physics majors. Theory and practice of scanning electron microscopy and X-ray microanalysis, with training in sample preparation, examination and analysis, and imaging. Students will complete independent research projects. Prerequisites: PHYS 1420 or 1442, and permission of instructor. On demand.

**4341 ADVANCED MATHEMATICAL PHYSICS** Tensor analysis, integral transforms, solutions to non-linear differential equations, introduction to chaos, and other special topics in mathematical physics. Lecture. Prerequisite: PHYS 3341. Fall,

4110, 4360, and 3342 or 3343; CHEM 1450, 1451, 2401, and 3411 or 3520; MATH 1591, 2561, 2371; SCI 3410, 4400, 4190, 4680, 4681. GEOG 1305 must also be taken, and can be used to satisfy the Behavioral and Social Sciences component of the general Education requirement.

### **[3] Courses in Science Education (SCI)**

Follow this link for SCI course descriptions: [course link](#).

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### **SCIENCE EDUCATION**

Return to [Science Education](#)

### **[1] Courses in Science Education (SCI)**

**3410 EARTH SCIENCE** A required course for the middle level and secondary science education programs, but may be taken as an elective by other students. This course involves study of descriptive geology, historical geology, and earth systems and processes. Lecture and laboratory. Prerequisites: BIOL 1400, PHYS



ENGL 3325 Advanced Readings: Harlem Renaissance  
ENGL 3325 Advanced Readings: African and/or African-American Theater  
ENGL 4304 Studies in English/American Literature: Race in American Literature  
ENGL 4380 African-American Literature  
WLAN 2315 Cultural Traditions: Exploring the African Diaspora  
WLAN 2315 Cultural Traditions: Folklore of Africans in the New World  
WLAN 2315 Cultural Traditions: Francophone Literature  
HIST 3353 African-American History, 1619-1868  
HIST 3354 African-American History, 1868-present  
HIST 4388 African History  
HIST 4391 Topics in History: African-American Autobiography  
HIST 4391 Topics in History: The Civil Rights Movement  
MUS 4301 Jazz, The History  
PHIL 2360 Gender, Race and Class Issues  
PHIL 3340 African-American Philosophy (new course)  
PSCI 4345 Political Systems of Sub-Saharan Africa  
RELG 3315 Religion and Culture: The Black Preacher in America  
SOC 3310 Minority Relations

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**[2.4] Planning and Administration Track (42 hours)**

The planning and administration track is intended to bridge the gap between the scientists who gather environmental data and those who develop programs and policies related to environmental problems. This track trains individuals to work with numerous experts from diverse fields, to synthesize various and often conflicting perspectives, to arrive at viable and practical solutions, and to communicate with diverse audiences such as governmental agencies, citizen committees, and corporate decision-makers.

Planning and Administration Track Requirements (30 hours)

INFO 1343 Information Processing and Analysis  
INFO 3321 Managing Systems and Technology  
GEOG 2320 Introduction to Geographic Information Systems (GIS)  
GEOG 2345 Geographic Information Techniques  
GEOG 3325 Urban and Regional Planning or  
PSCI 4351 Community and Regional Planning  
PSCI 2340 State and Local Government  
PSCI 3360 Public Administration  
SOC 1300 Principles of Sociology

PSYC 2370 Developmental Psychology (prerequisite: PSYC 1300)  
PSYC 3350 Psychology of Women (prerequisite: six hours of psychology) SOC  
3350 The Family or SOC 4351 Family Structure and Interaction (prerequisite: SOC  
1300)  
SOC 3361 Gender Roles (prerequisite SOC 1300)  
SOC 4342 Social Inequality (prerequisite SOC 1300)  
SPCH 3303 Gender Communication  
SPCH 3307 Interpersonal Communication

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### LATIN AMERICAN STUDIES MINOR

**Coordinator and Assistant Professor:** Dr. Allender (Geography), 450-5641

#### [1] Purpose

Latin American studies is an interdisciplinary program designed to provide students with a broad understanding of the unique culture, history, geography, politics, economies, and physical environment of South and Central America and the Caribbean.

#### [2] Requirements

The minor in Latin American Studies requires successful completion of the requirements listed below for a total of 18 required hours.

**Required core courses** (12 hours): GEOG 3315, HIST 3315, PSCI 4340, and a capstone independent studies course developed in consultation with the student, the program coordinator, and an instructor from the Latin American studies core or elective courses.

**Electives** (6 hours) selected from the following group: HIST 4305, 4328, 4353; SOC 4390; SPAN 2320, 2330, 3313, 3321, 3398, 4395, 4396; FLAN 2315 (when Latin American topic is offered).

**Foreign language requirement** (the same as for a Bachelor of Arts degree): passing (or testing out of) SPAN 2300 or 2310 (i.e., passing the third semester of Spanish).

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### RELIGIOUS STUDIES

**Director and Assistant Professor:** Dr. Deitrick (Philosophy and Religion), 450-5592  
**Professors:** Dr. Barnes (History), Dr. Brodman (History), Dr. Corcoran (History), Dr. Fox (Sociology), Dr. Frontain (English), Dr. Harvey (Philosophy and Religion), Dr. Pouwels (History), Dr. Schedler (Philosophy and Religion), Dr. Shepherd (Sociology)  
**Associate Professors:** Dr. Cohen (Art), Dr. Mehl (Philosophy and Religion)  
**Instructor:** Ms. Winden Fey (Philosophy and Religion)

#### [1] Purposes

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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.

#### [2] Baccalaureate Degree: Bachelor of Arts

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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.

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### SOUTHERN AND ARKANSAS STUDIES MINOR

**Coordinator and Assistant Professor:** Dr. Foote (History), 450-5620

#### [1] Purpose

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The minor in southern and Arkansas studies is an interdisciplinary program designed to provide students with a broad understanding of the South's unique history, culture, politics, and economy. Combining course work from English, Geography, History, Political Science, and Sociology, the program will also draw upon the rich resources available locally, including the Old State House Museum, the Ozark Folk Center and the Ozark Heritage Institute.

This minor provides students with the background and expertise for a variety of

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### PRE-DENTAL HYGIENE

**Advisor:** Dr. Emogene Fox (Health Sciences), 450-3194

#### [1] 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 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.

#### [2] 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 (65 hours total):

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 THEA 2300, CHEM 1402\*, BIOL 1400, and 2411, MATH 1390, CSCI 1300, humanities course (3 hours). Electives (all 3000- or 4000-level courses): 13 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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### PRE-DENTISTRY

**Advisor:** Dr. Moran (Biology), 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, 47 hours; BIOL 1440, 1441, 3402, and 4460 (4400 suggested); CHEM 1450, 1451, 2401, 3411; PHYS 1410, 1420; MATH 1390 or 1396.

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### PRE-ENGINEERING

**Advisor:** Dr. Frederickson, 450-5903

#### [1] Transfer Agreements

The University of Central Arkansas enjoys transfer agreements with Arkansas State University, the University of Arkansas at Fayetteville, Mississippi State University, Texas A&M University, and the University of Missouri and Columbia. Under each agreement, students satisfactorily completing general education, mathematics, chemistry, and physics courses at UCA that are stipulated by the agreement and specified by the pre-engineering advisor will be able to transfer these courses toward an engineering degree. Students interested in any of these programs should contact the pre-engineering advisor, who will assist the student in laying out a complete plan of study.

#### [2] Core Curriculum

Students interested in an engineering program other than those above should complete a core curriculum including the following courses:

CHEM 1450 College Chemistry I  
CHEM 1451 College Chemistry II  
CSCI 1470 Computer Science I  
MATH 1591 Calculus I  
MATH 1592 Calculus II  
MATH 2371 Calculus III  
MATH 3331 Differential Equations  
PHYS 1441 University Physics 1  
PHYS 1442 University Physics 2  
PHYS 2443 University Physics 3  
FACS 3365 Introduction to CAD

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### PRE-MEDICINE

**Premedical Advisory Committee:** Dr. Manion (Chair) and Dr. Weaver (Chemistry), and Dr. Martin and Dr. Zehr (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





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### PRE-VETERINARY MEDICINE

**Advisor:** Dr. Freiley, (501) 450-5926, [kennethf@mail.uca.edu](mailto:kennethf@mail.uca.edu)

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. Arkansas residents also have been admitted 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. Because these requirements may change and because 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:** WRTG 1310, 1320  
**Biology:** BIOL 1440, 1441, 4525  
**Chemistry:** CHEM 1450, 1451, 2401, 3411, 4320  
**Mathematics:** MATH 1580; or 1390, 1392  
**Physics:** PHYS 1410, 1420  
**Speech:** SPCH 1300  
**Electives** (12 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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## HONORS COLLEGE

**Interim Director and Professor:** Dr. Scott, 450-3198

**Professor:** Dr. Schedler

**Assistant Professors:** Dr. Bowman, Dr. Simonsen, Dr. Wallace

**Instructors:** Mr. Corbitt, Mr. Melton

### [1] Purposes

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The Honors College recognizes that gifted and talented students have special educational needs. In order to help meet their needs, the Honors College gives high-ability 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 co-curricular academic experiences.
4. To receive individualized instruction in an Oxford tutorial.
5. To produce an Honors College Thesis Project and present it before faculty and students.

### [2] General Information

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**The Honors Program.** The Honors Program consists of the honors core courses, a multi-course sequence called 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 can be 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 undergraduate scholarship: the 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 invited from those 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, study rooms with computers, a specially designed presentation room, and faculty 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 a focal point for social and intellectual activity of the Honors College.

**Special Events.** Each year the Honors College sponsors a series of lecture and performance events such as *Challenge Week*, *Explorations*



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 with a global studies emphasis. Open only to senior Honors College Scholars. Emphasis on the presentation of seminar papers and the art of collaboration. 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 members and the director or his designee. Consent of the Honors College Director. Fall, spring, summer.

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### TORREYSON LIBRARY

**Library Associate Professor and Director:** Mr. Lichtenstein, 450-5203

**Library Associate Professor:** Ms. Talley

**Library Assistant Professors:** Mr. Bryant, Ms. Burks, Ms. Evans, Mr. Helm, Ms. Johnson, Ms. Lippy

**Library Instructors:** Ms. Biljan, Ms. Ojezua, Ms. Smith

To meet its goal of providing services and resources for students and faculty, Torreyson Library makes available 518,959 printed volumes, 890,661 microforms, and a subscription list of approximately 10,900 electronic books. In addition, the Library's document delivery service offers access to 47 million items in 41,000 libraries, worldwide. Torreyson Library subscribes to approximately 1,825 periodical titles. Web based subscription information services provide access to over 900 databases, including a number of extensive full text collections. Explore the library's on-line presence at <http://library.uca.edu/>. The Library is a depository for both federal and state government documents.

The Library's Music Resource Center contains over 16,500 musical scores and books, along with carrels for in-house listening of more than 3,500 sound recordings.

The UCA Archives, focusing on the history of Arkansas and/or Arkansans, contains over 1500 manuscripts, 9,000 books, 4,500 pamphlets, 1,000 maps, 14,000 photographs, and 35,000 slides.

## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.09.04

### DIVISION OF UNDERGRADUATE STUDIES

**Dean, Associate Provost, and Professor:** Dr. Roden, 450-5074

**Associate Dean and Assistant Professor:** Dr. Cone, 450-5384

**Professional Staff:** Ms. Stone, Ms. Tio

**Advisors:** Ms. Polite, Ms. Rasnick, Ms. Ryan

#### [1] 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:

- Academic Support Services
- Professional Academic Advising
- Residential Colleges

Academic support services are offered through the Freshmen Interest Groups (FIGS), 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 Residential College Program gives students an opportunity to enrich their college experience in living-and-learning communities.

#### [2] 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. For more information phone 450-5149.

#### [3] Courses in Interdisciplinary Studies (INDS)

Follow this link for INDS course descriptions: [course link](#).

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## UCA UNDERGRADUATE BULLETIN 2002-2004

Undergraduate Bulletin  
Document Number 3.09.04.01

### DIVISION OF UNDERGRADUATE STUDIES

Return to [Undergraduate Studies](#)

#### [1] Courses in Interdisciplinary Studies (INDS)

**3380 JUNIOR SEMINAR** Special topics seminars. May cross departmental and disciplinary lines. On demand.

**4380 SENIOR SEMINAR** Special topics seminars. May cross departmental and disciplinary lines. On demand.

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## **UCA UNDERGRADUATE BULLETIN 2002-2004**

Undergraduate Bulletin  
Document Number 3.09.05

### **UNIVERSITY COLLEGE**

**Director:** Dr. Cone, 450-3220

**Lecturer II:** Ms. Smith

**Instructors:**

## UCA UNDERGRADUATE BULLETIN 2002-2004

### The AAGS

- Validates the importance of the general education curriculum
- Supports the role of the adult who needs recognition for degree completion prior to the baccalaureate degree.  
*Goal completion.* Personally and professionally, this degree indicates that you are someone who sets and accomplishes goals.
- Provides academic recognition for employees as they are promoted by employers.  
*Resume appeal.* If you are a traditional student, this degree may enhance your job prospects.  
*Job promotion.* Employers often use educational attainment as a criterion for career advancement.
- Is attractive to the individual who has been at home for several years before returning to college to complete personal goals.
- May be useful to those who wish to do substitute teaching. Many public schools require at least the associate degree for those individuals who substitute teach.

### [5.1] Major in General Studies

The associate of arts degree with a major in general studies requires 47 hours of general education courses and 15 hours of electives for a total of 62 college credits to complete the degree.

### [6] University College Courses (UNIV)

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Follow this link for UNIV course descriptions: [course link](#).

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Undergraduate Bulletin  
Document Number 4.01

### ADMINISTRATIVE ROSTER

#### [1] Board of Trustees

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Mr. Rickey Hicks, Little Rock, term expires 2003  
Mr. Dalda F. Womack, Star City, term expires 2004  
Mr. Randy Sims, Conway, term expires 2005  
Mr. Rush Harding III, Little Rock, term expires 2006  
Mr. Kelley L. Erstine, Sheridan, term expires 2007  
Mr. Scott Roussel, Searcy, term expires 2008  
Dr. Michael Stanton, Conway, term expires 2009

#### [2] Presidents of the University of Central Arkansas

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J. J. Doyne, 1908-1917  
B. W. Torreyson, 1917-1930  
H. L. McAlister, 1930-1941  
Nolen M. Irby, 1941-1953  
Silas D. Snow, 1953-1975  
Jefferson D. Farris, Jr., 1975-1986  
Winfred L. Thompson, 1988-2001

#### [3] Office of the President

---

John W. Smith, EdD, Interim President

Melissa K. Rust, JD, Assistant Vice President for Legal Services  
William Lide, Athletic Director  
Pamela Massey, Internal Auditor  
Sonia Hazelwood, Director of Institutional Research

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---

Samual P. Buchanan, PhD, Interim Provost and Dean of Faculty

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Sally Roden, EdD, Associate Provost and Dean of Undergraduate Studies  
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Maurice Lee, PhD, Dean, College of Liberal Arts  
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Willie Hardin, DA, Dean of Torreyson Library  
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Richard Scott, PhD, Co-Director of Honors College  
Anthony Sitz, MA, Registrar  
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#### [5] Administrative Services

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Jeff Pitchford, MPA, Director of Governmental Relations  
John Roy, PhD, Director of Computer Services  
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Technology, MMath University of Waterloo, BMath, University of Waterloo

**PAMELA ASHCRAFT** Clinical Instructor I of Nursing, MSN University of Central Arkansas, BSN University of Tennessee at Memphis

**KATHLEEN ATKINS** Associate Professor and Chair, Department of Early Childhood and Special Education, EdD University of Southern Mississippi, MEd Mississippi University for Women, BS Mississippi University for Women

**KEITH ATKINSON**, CPA, Professor and Chair, Department of Accounting, PhD, MBA and BBA University of Mississippi

**NANCY AUSTIN** Instructor of Physics, MS Arizona State University, BS Michigan State University

**SCOTT AUSTIN** Assistant Professor of Physics and Astronomy, PhD Arizona State University, MS Arizona State University, BS Michigan State University

## [2] B

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A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

**KEVIN BAER** Instructor of Speech, MA University of Arkansas at Little Rock, BA University of Arkansas at Little Rock

**PHILLIP BAILEY** Associate Professor and Chair, Department of World Languages, Literatures, and Cultures, PhD University of Virginia, MA University of Virginia, BA St. John's University

**ANNALIESE BAKER** Assistant Professor of Theatre, MFA University of California Irvine

**DAVID BALIN** Instructor of Art, MA Hunter College

**WILLIAM D. BANDY**

**FREDDIE A. BOWLES** Lecturer of Intensive English Program, MA University of Arkansas, BA University of Central Arkansas

**DONNA BOWMAN** Assistant Professor, Honors College, PhD University of Virginia, MA University of Georgia, BA Wake Forrest University

**ROGER BOWMAN** Associate Professor of Art, MFA University of Iowa, MA University of Iowa, BFA Arkansas State University

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**RONALD K. BRAMLETT** Professor of Psychology and Counseling, PhD University of Cincinnati, MEd University of Cincinnati, EdS Arkansas State University, MRehabCoun Arkansas State University, BA Central Wesleyan College

**LYN B. BRANDS** Associate Professor of Art, MFA Fort Hays State University, BA Fort Hays State University

**GEORGE N. BRATTON** Associate Professor of Mathematics, EdD Mississippi State University, MS Mississippi State University, BA Hendrix College

**JOHN BRATTON** Professor of Insurance and Risk Management, PhD and BS Florida State University

**JAMES W. BRODMAN** Professor of History, PhD University of Virginia, MA University of Virginia, BA Canisius College

**MARIAN M. BRODMAN** Associate Professor of Foreign Languages, PhD Bryn Mawr College, MA Bryn Mawr College, BA Rosemont College

**RICKY W. BROOKS** Associate Professor of Music, Director of Bands, PhD Louisiana State University, MME Delta State University, BME Delta State University

**CAROLYN BROWN** Associate Professor of Music, Performers Certificate, Eastman School of Music, MM University of Kansas, BME Wartburg College

**JANN BRYANT** Instructor of Music, Director, Community School of Music, MME University of Central Arkansas, BME University of Central Arkansas

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**PAUL L. BUTT** Associate Professor of Geography, EdD Oklahoma State University, MA University of Iowa, BA University of Wyoming

### [3] C

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A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

**DONNA CAIN** Clinical Instructor I of Early Childhood and Special Education, MSE University of Central Arkansas, BSE University of Arkansas

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Arkansas State University, BME Arkansas State University

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**ROBERT EVERDING** Professor of Theatre, Dean, College of Fine Arts and Communication, PhD Stanford University, AM Stanford University, MA University of Minnesota, BA University of Missouri

**[6] F**

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[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

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**TERRY JAMES** Professor of Middle/Secondary and Instructional Technologies,  
Interim Director of Academic Planning and Assessment, EdD University of Missouri,  
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**[15] O**

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A|B|C|D|E|F|G|H||J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z

**WOLFGANG OESTE** Associate Professor of Music, DMA Northwestern University, MA Northwestern University, BA University of Manitoba, Canada

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**WILBUR B. OWEN** Professor of Biology, PhD University of Arkansas, MS University of Arkansas, BS University of Central Arkansas

**[16] P**

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A|B|C|D|E|F|G|H||J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z

**JAMES PACKER** Associate Professor of Finance, DBA Louisiana Tech University, MBA Northeast Louisiana University, BBA Northeast Louisiana University

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Baptist University

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**RICHARD I. SCOTT** Professor of Sociology, Interim Director, Honors College, PhD University of Nebraska-Lincoln, MA University of Nebraska-Lincoln, BS Indiana State University

**CHARLES J. SEIFERT** Professor of Mathematics, PhD Kent State University, MA Kent State University, BS Kent State University

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**GORDON SHEPHERD** Professor of Sociology, PhD State University of New York at Stony Brook, MA State University of New York at Stony Brook, BA University of Utah

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University, MA University of Louisville, BA Grinnell College

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**STACY STEPHENS** Instructor II of Physical Therapy, MS University of Arkansas, BA University of Arkansas

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**DAVID STRICKLAND** Clinical Instructor of Kinesiology and Physical Education, MS University of Wisconsin-La Crosse, BS New Mexico State University

**SHEILA STROMAN** Assistant Professor of Nursing, PhD University of Memphis, MSN University of Central Arkansas, BS University of Central Arkansas

**SUSAN STROOCK** Lecturer in Biology, MS University of Pennsylvania, BA Russell Sage College

**YVONNE STURDIVANT** Instructor of Child Study Center, BiUn6( )rsity of Pentral ArkJ-10.3492 0.01148 TD0.0005 170 Tw[(Uniansa)( )]s

**KEN VAUGHN** Assistant Professor of Middle/Secondary and Instructional Technologies, Director of Admission and Licensure, College of Education, EdS University of Arkansas, MSE Henderson State University, BSE Henderson State University

**ALLISON VETTER** Assistant Professor of Sociology, PhD and MA University of Nebraska, BA Doane College

**[23] W**

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A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z

**BEN WAGGONER** Assistant Professor of Biology, PhD University of California, Berkeley, BA Tulane University, BS Tulane University, New Orleans

**ALLISON WALLACE**



**[25] Y**

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A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z

**JEFFRY YOUNG** Assistant Professor of Art, PhD University of North Texas, MA University of North Texas, BFA Texas Tech University

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**LOUIS YOUNG** Assistant Professor of Music, DMA University of Michigan, MM and BM University of Georgia

**[26] Z**

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