UNIVERSITY OF CENTRAL ARKANSAS™

ACADEMIC BULLETINS: AN OMNIBUS COLLECTION

TITLE

Academic Bulletins: An Omnibus Collection

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Academic Bulletins: http://uca.edu/academicbulletins/

Undergraduate Bulletin: http://uca.edu/ubulletin/

Graduate Bulletin: http://uca.edu/gbulletin/

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NOTES, COMMENTS

This Omnibus Collection brings together three online documents, as detailed here:

Academic Bulletins [LINK]: This site (http://uca.edu/academicbulletins/) is the landing site for the Undergraduate Bulletin and the Graduate Bulletin. It includes (1) links to current and archived issues of the bulletins, (2) content that is common to the two bulletins, (3) UCA Core check list information, and (4) Arkansas Course Transfer System (ACTS) information.

Undergraduate Bulletin [LINK]: This UBulletin site (http://uca.edu/ubulletin) is the official edition of the Undergraduate Bulletin for each academic year, the most up-to-date information about academic programs and policy related to undergraduate programs effective in any fall semester. Late each spring semester, the content in this site is moved to a year-designated archive (e.g., <ubulletin2017>), and the content for the following fall is published.

Graduate Bulletin [LINK]: This GBulletin site (http://uca.edu/gbulletin) is the official edition of the Graduate Bulletin for each academic year, the most up-to-date information about academic programs and policy related to graduate programs effective in any fall semester. Late each spring semester, the content in this site is moved to a year-designated archive (e.g., <gbulletin2017>), and the content for the following fall is published.

Note: In this document, extracts from the three sites are paginated separately. Links to sites outside this document are left as they are in the original pages (this includes links internal to the original site). Use the bookmarks panel or search the document to navigate to particular parts of this collection.

Academic Bulletins

1. ACADEMIC BULLETIN NOTICES

Academic Maps

Link to separate site: http://uca.edu/academicmaps/.

Accreditation

Link to separate site: http://uca.edu/accreditation/.

Bulletin Provisions

URL: http://uca.edu/academicbulletins/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.

Notice of Non-Discrimination

URL: http://uca.edu/academicbulletins/notice-of-non-discrimination/.

The University of Central Arkansas is an affirmative action/equal opportunity institution dedicated to attracting and supporting a diverse student, faculty and staff population through enhanced multicultural learning environments and opportunities. In keeping with its non-discrimination policy in employment, admissions, and other functions and programs, the university considers employees and students on the basis of individual merit and will not discriminate against a person on the basis of gender, race or color, ethnicity, religion, spiritual beliefs, national origin, age, familial status, socioeconomic background, sexual orientation, disability, political beliefs, intellectual perspective, genetic information, military status, or other factors irrelevant to participation in its programs. (Board Policy 502)

Persons having questions or seeking information regarding the university's implementation of regulations and requirements related to this policy should contact one of the following:

Associate General Counsel and Compliance Officer
University of Central Arkansas
Wingo 206
201 Donaghey Avenue
Conway, Arkansas 72035
(501) 450-3247

Director of Disability Support Services
University of Central Arkansas
Student Health Building, Room 202
Conway, AR 72035
(501) 450-3136

Associate Vice President, Human Resources and Risk Management
University of Central Arkansas
Wingo 103
201 Donaghey Avenue
Conway, AR 72035
(501) 450-5051

2. MISSION AND ORIGINS OF THE UNIVERSITY

URL: http://uca.edu/academicbulletins/mission-and-origins-of-the-university/

[1] Mission

The University of Central Arkansas dedicates itself to academic vitality, integrity, and diversity. Read more…. [link to separate site: http://uca.edu/mission/]

[2] Origins

The University of Central Arkansas (UCA) has served the state and the nation for more than a century. Established in 1907 by the General Assembly as the Arkansas State Normal School, the institution was charged with the responsibly of training teachers. Instruction began in 1908 with 107 students, a faculty of eight, and a physical plant consisting of one partially completed building. Summer sessions were started in 1910. The first diploma granted was the Licentiate of Instruction, followed in 1920 by the establishment of curricula leading to a baccalaureate degree. The terms of the act establishing the school and its location in central Arkansas recognized the state-wide service the institution was expected to promote. The autonomy of its Board of Trustees also gave the institution freedom to expand and diversify academic programs to meet the growing needs of the state. Thus, in 1925, the college was renamed to Arkansas State Teachers College and added and broadened liberal arts programs and increased specialized offerings and degrees. In 1955, the college inaugurated its first graduate program. In 1967, the college was renamed to State College of Arkansas to reflect the institution's varied and comprehensive curricula, and, in 1969, the institution established four colleges to provide administration for the growing number of academic programs. The institution became the University of Central Arkansas in 1975 to reflect its status as a modern comprehensive university. Since 1975, the university has added two additional academic colleges, an honors college, and several new undergraduate and graduate degrees, including six doctoral programs. Today, more than 11,000 students attend classes taught by a faculty of approximately 500, and a campus master plan has been implemented to accommodate the university's significant growth.

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

3. ACADEMIC PROGRAMS

Academic Programs and Organization

URL: http://uca.edu/academicbulletins/academic-programs-and-organization/ [This section includes numerous links to other parts of the bulletin "complex" and to separate sites.]

This list includes undergraduate and graduate programs. For additional information about undergraduate programs, see program descriptions in the current Undergraduate Bulletin (UBulletin). For additional information about graduate programs, see the Graduate Bulletin (GBulletin) or contact the Graduate School on the web at uca.edu/graduateschool/ or by telephone: (501) 450-3124.

Looking for a graduate certificate program? See Graduate Certificates by College.

Gainful Employment links in the following list are updated as more recent information becomes available.

Program list updated: October 12, 2017

[1] College of Business

- Accounting – BBA, MAcc, minor
- Actuarial Studies – minor
- Business Administration – BBA, MBA, minor
  - Finance – MBA concentration
  - Health Care Administration – MBA concentration
  - Information Management – MBA concentration
  - International Business – MBA concentration
- Economics – BBA, BA, BS, minor
  - International Trade – BA concentration, BBA concentration
- Finance – BBA
- Information Systems – BS
- Innovation and Entrepreneurship – BBA, minor
- Insurance and Risk Management – BBA
  - Personal and Financial Planning – BBA concentration
- Logistics and Supply Chain Management – BBA, minor
- Management – BBA, minor
- Management Information Systems – BBA, minor
  - Application Development (web development, programmer/analyst, GIS) – BBA concentration
  - Telecommunications and Computer Networking – BBA concentration
  - Business Analysis – BBA concentration
- Marketing – BBA, minor
- Criminal Justice Institute Higher Education Program (for sworn law-enforcement officers only)
  - Crime Scene Investigation – CP, TC, AAS
  - Law Enforcement Administration – CP, TC, AAS

[2] College of Education

- Advanced Studies in Teacher Leadership – MSE
    - Gifted and Talented Education – GC
      → Gainful Employment Information – Graduate Certificate in Gifted and Talented Education: 2015-16 | 2014-15
- College Student Personnel Services and Administration – MS
- Educational Leadership – EdS
    - PK–12 – EdS option
    - Post-Secondary Education – EdS option
    - District-Level Administration – PMC
      → Gainful Employment Information – Post-Master's Certificate in District-Level Administration: 2015-16 | 2014-15
- Elementary Education K–6 – BSE
- Instructional Technology – MS
    - Distance Education – GC, MS track
      → Gainful Employment Information – Graduate Certificate in Instructional Technology: Distance Education: 2015-16 | 2014-15
    - Media Design and Development – GC, MS track
      → Gainful Employment Information – Graduate Certificate in Instructional Technology: Media Design and Development: 2015-16 | 2014-15
    - Technical Support – GC, MS track
      → Gainful Employment Information – Graduate Certificate in Instructional Technology: Technical Support: 2015-16 | 2014-15
- Leadership Studies – PhD
- Library Media and Information Technology – MS
- Master of Arts in Teaching – MAT
- Middle Level Education (4-8) – BSE
- Reading – MSE
    - Dyslexia Interventionist – GC
      → Gainful Employment Information – Graduate Certificate in Dyslexia Interventionist: 2015-16
- School Counseling – MS
- School Leadership, Management, and Administration – MS
    - Gifted and Talented Program Administrator – PMC
      → Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Gifted and Talented Program Administration: 2015-16 | 2014-15
    - Special Education Program Administration – PMC
      → Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Special Education Program Administration: 2015-16 | 2014-15
    - Adult Education Program Administration – PMC
      → Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Adult Education Program Administration: 2015-16 | 2014-15
    - Curriculum Administration – PMC
      → Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Curriculum Administration: 2015-16 | 2014-15

    - Building Administration – PMC
      → Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Building Administration: 2015-16 | 2014-15
- Special Education – BSE, GC, MAT, MSE, minor (non-licensure)
    - Special Education K–12 – GC
      → Gainful Employment Information – Graduate Certificate in Special Education K–12: 2015-16
    - Integrated Early Childhood Education (B–K) – GC
      → Gainful Employment Information – Graduate Certificate in Integrated Early Childhood Education (B–K): 2015-16
- Teaching and Learning (teacher licensure) – minor
- K–12 Teacher Preparation Programs (College of Fine Arts and Communication: Art, Music; College of Health and Behavioral Sciences: Kinesiology and Physical Education; College of Liberal Arts: Modern Languages [Chinese, French, Spanish])
- 7–12 Teacher Preparation Programs (College of Health and Behavioral Studies: Family and Consumer Sciences; College of Liberal Arts: English, Social Studies-History; College of Natural Sciences and Mathematics: STEMteach – Biology, Chemistry, Environmental Science [Biology, Chemistry], Mathematics, Physics)

[3] College of Fine Arts and Communication

- Art – BA, minor
    - Fine Art – BA concentration
    - Art Education – BA concentration
    - Art History – BA concentration, minor
- Communication – BA, BS, minor
- Creative Writing – BA, MFA, minor
- Film – BA, BS, MFA, minor
- Journalism – BA, BS, minor
    - Broadcast Journalism – BA/BS concentration
    - Online Journalism – BA/BS concentration
    - Print Journalism – BA/BS concentration
- Music – BA, BM, GC, MM, minor (non-teaching)
    - Music Education – BM concentration, MM concentration
    - Performance – BM concentration, MM concentration
    - Composition – BM concentration
    - Instrumental Conducting – MM concentration
    - Choral Conducting – MM concentration
    - Music Theory – MM concentration
    - Music (Professional Studies) – GC
- Public Relations – BA, BS, minor
- Studio Art – BFA
    - Ceramics – BFA concentration
    - Graphic Design – BFA concentration
    - Painting – BFA concentration
    - Photography – BFA concentration

    - Printmaking – BFA concentration
    - Sculpture – BFA concentration
- Theatre – BA, BS, minor
- Writing – BA, minor
    - Writing Studies – BA concentration, minor
    - Professional Writing – BA concentration, minor

[4] College of Health and Behavioral Sciences

- Addiction Studies – BS, minor
    - Prevention – BS concentration
    - Treatment – BS concentration, minor
- Athletic Training – BS
- Communication Sciences and Disorders – BS, MS, PhD
- Exercise Science – BS, MS
    - Clinical Exercise Science – BS concentration
    - Pre-Athletic Training – BS Concentration
- Family and Consumer Sciences – BS, BSE, MS, minor
- Health Education – BS, minor
- Health Sciences – BS, MS
    - Health Services Administration – BS concentration
    - Physical Therapy – BS concentration
- Interior Design – BA, BS
- Kinesiology and Physical Education (Physical Education Teacher Education) – BSE
- Medical Laboratory Science – BS
- Mental Health Counseling – MS
- Military Science – minor
- Nuclear Medicine Technology – BS
- Nursing – BSN, MSN, PMC, DNP
    - Clinical Nurse Leader – MSN concentration, PMC
    - Adult Nurse Practitioner – MSN concentration, PMC
    - Family Nurse Practitioner – MSN concentration, PMC
    - Nurse Educator – MSN concentration, PMC
- Nutrition/Dietetics – BS, post-baccalaureate internship
- Occupational Therapy – MS, OTD (the OTD will replace the MS degree)
- Physical Therapy – DPT, PhD
- Professional Studies – BPS
- Psychology – BA, BS, minor
    - Cognitive Neuroscience – minor
    - Health Psychology – minor
    - Sports Psychology – minor
- Psychology – PhD
    - Counseling Psychology – PhD concentration
    - School Psychology – PhD concentration
- Radiography – BS

- School Psychology – MS, PMC
  → Gainful Employment Information – Post-Master's Certificate in School Psychology: 2015-16 | 2014-15
- Sport Management – MA

[5] College of Liberal Arts

- African/African-American Studies – See Interdisciplinary Programs
- Anthropology – BA, BS, minor
- Chinese (Mandarin) – minor (see also Modern Languages)
- Criminology – BA, BS, minor
- English – BA, MA, minor
  - Language Arts – MA concentration
  - Literature – MA concentration
  - Medieval and Renaissance Literature – MA concentration
- French – minor (see also Modern Languages)
- General Education – AA
- German – minor
- History – BA, BS, MA, minor
- Interdisciplinary Liberal Studies – See Interdisciplinary Programs
- International Studies – BA, minor
  - International Politics and Diplomacy – BA concentration
  - International Political Economy and Development – BA concentration
  - Regional Studies – BA concentration
- Linguistics – BA, minor
  - Language – BA concentration
  - Teaching English to Speakers of Other Languages (TESOL) – BA concentration, minor
  - Computer Science – BA concentration
  - General Linguistics – BA concentration
- Modern Languages – BA
  - French (traditional, teacher education, business) – BA concentrations
  - Mandarin Chinese (traditional, teacher education, business) – BA concentrations
  - Spanish (traditional, teacher education, business) – BA concentrations
- Philosophy – BA, BS, minor
- Political Science – BA, BS, minor
- Public Administration – BA, BS, minor
- Religious Studies – See Interdisciplinary Programs
- Social Studies, History concentration – BSE
- Sociology – BA, BS, minor
- Spanish – GC, MA, minor (see also Modern Languages)
  → Gainful Employment Information – Graduate Certificate in Spanish: 2015-16
- Teaching English as a Second Language (TESOL), minor

[6] College of Natural Sciences and Mathematics

- Biology – BS, MS, minor
- Chemistry – BS, minor
- Computer Engineering – BS
- Computer Science – BS, MS, minor
- Environmental Science – See Interdisciplinary Programs
- General Science – See Interdisciplinary Programs
- Geographic Information Systems – GC, MGIS
  → Gainful Employment Information – Graduate Certificate in GIS: 2015-16 | 2014-15
- Geography – BA, BS, minor
  - Geographic Information Science – minor
  - Geospatial Technology – BA/BS concentration
- Mathematics – BA, BS, MA, MS, minor
  - Pure Mathematics – BS concentration
  - Applied Mathematics – BS concentration
  - STEMteach Mathematics Education – BS concentration
  - STEMteach Pure Mathematics – BS concentration
  - STEMteach Applied Mathematics – BS concentration
  - Data Science – BS concentration
- Physics – BS, minor
  - Physics – BS concentration
  - Biological Physics – BS concentration
  - Chemical Physics – BS concentration
  - Mathematical Physics – BS concentration
  - Physical Science – BS concentration, minor
  - Engineering Physics – BS concentration
- Statistics – minor
- STEM Education / STEMteach – see Interdisciplinary Programs

[7] Interdisciplinary Programs

- African/African-American Studies – BA, minor
- Asian Studies – minor
- Environmental Science – BS
  - Biology – BS track
  - Chemistry – BS track
  - Planning and Administration – BS track
- Gender Studies – minor
- General Science – BS
- Interdisciplinary Liberal Studies – BA
- Latin American and Latino Studies – minor
- Public Scholarship and Community Engagement – minor
- Religious Studies – BA, BS, minor
- Southern and Arkansas Studies – minor

[8] Pre-Professional Training

- Pre-Cardio Respiratory Care
- Pre-Dentistry
- Pre-Dental Hygiene
- Pre-Engineering
- Pre-Law
- Pre-Medicine
- Pre-Optometry
- Pre-Pharmacy
- Pre-Veterinary Medicine

[9] Honors at UCA

See Recognition of Academic Achievement.

Academic Maps

See http://uca.edu/academicmaps/ [external site]

4. UCA CORE PROGRAM

Lower-Division UCA Core

URL: http://uca.edu/academicbulletins/ld-uca-core/

The checksheet presented below provides a current listing of courses available in the lower-division UCA Core. Substantive changes to the checksheet are incorporated annually and published with the other parts of each new year's *Undergraduate Bulletin* during the spring semester; more minor changes may be made throughout the year if authorized. Each year the previous year's check sheet is archived here by academic year and will be accessible through the archive links below.

Archived Check Sheets

LD UCA Core 2016-2017
LD UCA Core 2015-2016
LD UCA Core 2014-2015
LD UCA Core 2013-2014
General Education Check Sheet 2012

Lower-Division Core Check Sheet: AY 2017-2018

Printer-Friendly PDF

LD UCA Core Check Sheet 2017-2018 updated 2017-12-06

Introductory Information

The lower-division core ("general education") requires 38 semester credit hours, as outlined in the checksheet below. The following abbreviations indicate disciplinary categories for certain courses in this list:

FA = Fine Arts
HUM = Humanities
SS = Social Sciences

Transfer students, the State Minimum Core, and the Lower-Division UCA Core:

- A transfer student who has completed the 35-hour State Minimum Core curriculum before entering UCA will be deemed to have completed the lower-division UCA Core. No additional lower-division UCA Core courses will be required. A transfer student who has not completed the 35-hour State Minimum Core curriculum before entering UCA must work with an academic advisor to ensure timely completion of lower-division UCA Core requirements. The State Minimum Core is outlined here: state-minimum-core.
- In the Quantitative or Natural Science sections (§§ 1.1, 1.2) of the Lower-Division (LD) UCA Core, higher-level courses than those listed that are accepted in transfer or as evaluated credit at the time of initial admission to the university will satisfy the respective LD UCA Core requirements provided that (1) the student has otherwise met respective grade and laboratory requirements and (2) the UCA equivalent to the transferred course has as a prerequisite an LD UCA Core course within the same UCA Core category.

Arkansas Course Transfer System: A notation in [square brackets] following selected courses indicates the corresponding Arkansas Course Transfer System (ACTS) index number. For more information, see the Academic Bulletins ACTS page.

First-Year Seminar: During the first year, one course – from the Critical Inquiry, Diversity, or Responsible Living category – must be a First-Year Seminar (FYS). See the online class schedule to find FYS sections (the course attribute is listed as **F LDiv First-Year Seminar**).

Other Requirements:

- Students must successfully complete the Written Communication course sequence (Writing Foundation + Research and Writing) in their first year unless the requirement was already met or remediation is required.
- An approved UCA Core lab science and an approved UCA Core math course should be completed in the first two years.
- **Fine Arts and Humanities**: Students must take at least one course in the Fine Arts and one course in the Humanities in fulfillment of lower-division UCA Core requirements.
- **Social Science**: All students are required to take six credits of social science. In order to complete the Lower-Division Core in 38 credit hours, it is recommended that students take, in addition to the Social Science course taken in the Critical Inquiry category, a Social Science course in either the Diversity in World Cultures or the Responsible Living Category.

Additional information:

- If an ACT subject score is below 19 in reading, writing, or mathematics, remediation is required.
- Some majors require specific UCA Core courses.
- Courses may be used only once to satisfy the UCA Core requirements.
- A minimum grade of C is required in some UCA Core courses.
- For additional information, consult your academic advisor or the relevant sections of the *Undergraduate Bulletin*.

Check sheet

Check sheet updated 2017-12-06

[1] Critical Inquiry

[1.1] Quantitative – Choose 1

__ MATH 1360 Quantitative Literacy [MATH1113]
__ MATH 1390 College Algebra [MATH1103]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ MATH 1392 Plane Trigonometry* [MATH1203]
__ MATH 1395 Applied Mathematics for Business (formerly Business Calculus)*
__ MATH 1491 Calculus for the Life Sciences*

__ MATH 1580 Algebra & Trigonometry* [MATH1305]
__ MATH 1496 Calculus I* [MATH2405]

* These courses have prerequisites. Consult Mathematics Courses for details.

[1.2] Natural Sciences

Physical Science – Choose 1

__ CHEM 1400 Chemistry in Society [CHEM1004]
__ PHYS 1400 Physical Science for General Education [PHSC1004]
__ PHYS 1401 Descriptive Astronomy [PHSC1204]
__ GEOG 1400 Earth Systems Science [PHSC1104]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ CHEM 1450 College Chemistry I* [CHEM1414]
__ CHEM 1402 General Chemistry for Health Sciences* [CHEM1214]
__ PHYS 1405 Applied Physics*
__ PHYS 1410 College Physics 1* [PHYS2014]
__ PHYS 1441 University Physics 1* [PHYS2034]

Life Science – Choose 1

__ BIOL 1400 Exploring Concepts in Biology [BIOL1004]
__ BIOL 1401 Exploring Ecology & the Environment [BIOL1004]
__ BIOL 1402 Exploring Human Biology [BIOL1004]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ BIOL 1410 Human Anatomy & Physiology I [BIOL2404]
__ BIOL 1440 Principles of Biology I* [BIOL1014]

* These courses have prerequisites. Consult Biology Courses, Chemistry Courses, or Physics Courses for details.

[1.3] Inquiry and Analysis

American History and Government – Choose 1

__ HIST 2301 The Making of America (formerly American Nation I) [HIST2113]
__ HIST 2302 America in the Modern Era (formerly American Nation II) [HIST2123]
__ PSCI 1330 US Government & Politics [PLSC2003]

Social Science – Choose 1

__ BUAD 2301 College of Business Travel Class for Critical Inquiry (SS)
__ ECON 2320 Principles of Macroeconomics (SS) [ECON2103]
__ ECON 2321 Principles of Microeconomics (SS) [ECON2203]
__ GEOG 1305 Principles of Geography (SS) [GEOG1103]
__ HIST 2360 From Stonehenge to Popish Plots: A History of English to 1688 (SS)
__ MGMT 2341 Principles of Management (SS)

__ PSCI 1300 Introduction to Political Science (SS)
__ PSCI 1330 US Government & Politics (SS) [PLSC2003] (if used for American History and Government, cannot be used to fulfill the Social Science requirement)
__ PSCI 2300 International Relations (SS)
__ PSYC 1300 General Psychology (SS) [PSYC1103]
__ SOC 1300 Principles of Sociology (SS) [SOCI1013]

Fine Arts/Humanities – Choose 1

__ ART 2300 Art Appreciation (FA) [ARTA1003]
__ AFAM 1330 African & African-American Studies (HUM)
__ ENGL 1350 Introduction to Literature (HUM)
__ ENGL 1355 Film & Literature (HUM)
__ ENGL 1373 FYS: Humanities (HUM)
__ FILM 2300 Film Appreciation (FA)
__ FREN 2320 Intermediate II [FREN2023] **or** GERM 2320 Intermediate II [GERM2023] **or** SPAN 2320 Intermediate III **or** CHIN 2320 Intermediate Chinese II* (HUM)
__ LALS 2310 Latinos in the United States (HUM)
__ PHIL 1301 Philosophy for Living (HUM) [PHIL1103]
__ PHIL 1373 FYS: Humanities (HUM)
__ PHIL 2305 Critical Thinking (HUM) [PHIL1003]
__ RELG 1330 Exploring Religion (HUM)
__ THEA 2300 Theatre Appreciation (FA) [DRAM1003]
__ WLAN/LING 2350 World Languages (HUM)

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ ART 2325 Asian Art Survey (FA)
__ ART 2335 Art History, Prehistoric to Medieval (FA) [ARTA2003]
__ ART 2336 Art History, Renaissance to Modern (FA) [ARTA2103]
__ HONC 1310 Honors Core I (HUM)

* These courses have prerequisites. Consult the appropriate course page for details: Chinese, French, German, Spanish.

[2] Effective Communication

[2.1] Writing Foundation – Choose 1

Writing Foundation must be taken upon initial enrollment unless the student has already met the requirement or remediation is required.
__ WRTG 1310 Introduction to College Writing [ENGL1013]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ HONC 1310 Honors Core I

[2.2] Research and Writing – Choose 1

__ WRTG 1320 Academic Writing & Research [ENGL1023]
__ ENGL 1320 Interdisciplinary Writing & Research [ENGL1023]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ HONC 1320 Honors Core II

[2.3] Oral Communication – Choose 1

__ COMM 1300 Principles of Communication [SPCH1003]
__ MGMT 2301 Business Communication [BUSI2013]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ MKTG 2376 Business Innovation & Creativity

[3] Diversity

[3.1] Diversity in Creative Works – Choose 1

__ COMM 1305 Communication, Culture, & the Arts (FA)
__ ENGL 2370 Introduction to Fiction (HUM)
__ ENGL 2380 Introduction to Poetry (HUM)
__ ENGL 2390 Introduction to Drama (HUM)
__ MUS 2300 Music Appreciation (FA) [MUSC1003]
__ WLAN 2315 Cultural Studies (HUM)
__ WRTG 1374 FYS: Diversity in Creative Works (FA)
__ WRTG 2310 Introduction to Creative Writing (FA) [ENGL2013]

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ HONC 2320 Honors Core IV (FA)
__ MUS 1340 Introduction to Music Literature (FA)

[3.2] Diversity in World Cultures – Choose 1

__ ANTH 1302 Introduction to Anthropology (SS) [ANTH1013]
__ BUAD 2302 College of Business Travel Class for Diversity in World Cultures (SS)
__ ECON 2310 Global Environment of Business (SS)
__ ENGL 2305 World Literature I (HUM) [ENGL2113]
__ ENGL 2306 World Literature II (HUM) [ENGL2123]
__ ENGL 2320 Asian Literature (HUM)
__ GEOG 1300 Geography of World Regions (SS) [GEOG2103]
__ GEOG 1320 Human Geography (SS) [GEOG1113]
__ HBST 1377 Study Abroad Seminar (health and behavioral sciences)
__ HIST 1310 Mummies–Mongols: World History I (SS) [HIST1113]
__ HIST 1320 Galileo–Gandhi: World History II (SS) [HIST1123]

__ HIST 1375 FYS: Diversity in World Cultures (SS)
__ HIST 1399 A History of Today: The World Since 1945 (HUM)
__ HIST 2310 Introduction to Asian History (HUM)
__ LALS 2300 Latin American Cultures (HUM)
__ LING 1310 Language, Culture, & Society (SS)
__ PHIL 1330 World Philosophies (HUM)
__ RELG 1320 World Religions (HUM)
__ WLAN 2325 Issues of Cultural Identity in the African Diaspora (HUM)

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ HONC 2310 Honors Core III (HUM)

[4] Responsible Living – Choose 1

__ ACAD 1300 Journeys to Success
__ BUAD 2303 College of Business Travel Class for Responsible Living (SS)
__ COMM 1306 Communication & Civic Engagement
__ ECON 1310 Modern Political Economy (SS)
__ EDUC 2310 Studies in Leadership Concepts: Mentoring for Growth (SS)
__ EDUC 2330 Topics in Social Justice in Teaching & Learning (SS)
__ ENGL 1345 Introduction to Literature & Social Responsibility (HUM)
__ ENGR 1301 Introduction to Engineering
__ EXSS 1320 Foundations of Wellness
__ FACS 2341 Lifespan Development
__ FACS 2351 Family Relations
__ FINA 2330 Personal Finance (SS)
__ H ED 1320 Essentials of Health & Wellness
__ H ED 2320 Mental Health (SS)
__ HIST 1376 FYS: Historical Perspectives on Responsible Living (H)
__ MCOM 1300 Media & Society
__ NUTR 1300 Foundations of Nutrition
__ PHIL 2325 Contemporary Moral Problems (HUM)
__ PHIL 2360 Gender, Race, & Class (HUM)
__ PSCI 2315 Introduction to Political Theory (SS)
__ SOC 2325 Social Problems (SS) [SOCI2013]
__ WRTG 2325 Introduction to Rhetoric

OR, if required by the student's program of study or with the consent of the advisor and the course instructor

__ HONC 1320 Honors Core II (SS)
__ HONC 2310 Honors Core III (HUM)

Upper-Division Core

URL: http://uca.edu/academicbulletins/ud-uca-core/

Quick Guide to the UCA Upper-Division Core

The table on this page lists all UCA courses that fulfill one or more requirements in the upper-division (UD) UCA Core. The list is updated from time and time and is intended to be accurate as of the list-updated date indicated on this page. Note, though, that your program's Academic Map, the *Undergraduate Bulletin*, and your academic advisor remain important sources of information about UD UCA Core courses specific to your major. For those who wish to be able to print the list, a PDF copy is available from this link: Printable PDF. Note that, generally, the PDF is updated annual, whereas the table below may be updated more frequently.

Table Legend

- **SUBJ** (subject)
- **CNUM** (course number)
- **TITLE** (title of the course, sometimes abbreviated)
- **CAT1, CAT2** indicate the UD UCA Core category or categories for which the course fulfills a requirement: I = Critical Inquiry, C = Communication, D = Diversity, R = Responsible Living, and Z = UCA Core Capstone. Since a UD UCA Core course may fulfill up to two categories, using two columns makes sorting for a category easier.
- **NON-MAJR** includes a "Y" to identify a UD UCA Core course that is available for students not in a particular major or minor; "N" identifies a course that is available only to students in particular majors or minors.
- **RESTR** indicates whether or not the course requires any prerequisites or has any other registration restriction. Courses that are available to non-majors/-minors **and** have a "Y" in the RESTR column generally have prerequisites that are part of the lower-division UCA Core. For specific information about prerequisites or other restrictions, see the course pages in the *Undergraduate Bulletin*.

List updated: January 17, 2018

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
ACCT	3326	Fraud Examination	R	—	Y	N
ACCT	4317	Auditing	C	—	N	Y
AFAM	4105	Senior Interdisciplinary Capstone Project	Z	—	N	Y
ANTH	3321	Qualitative Research Methods	I	R	Y	Y
ANTH	4360	Seminar	Z	—	N	Y
ART	3140	Portfolio II	R	—	N	Y
ART	3301	History of Modern Art	D	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
ART	3302	History of American Art	D	—	N	Y
ART	3303	Nineteenth Century Art History	D	—	N	Y
ART	3307	Arts of Africa	D	—	N	Y
ART	3311	Ancient South American Art	D	—	N	Y
ART	3329	Ancient Mesoamerican Art	D	—	N	Y
ART	3365	Women in Art	D	—	N	Y
ART	4140	Portfolio Assessment III	Z	—	N	Y
ART	4160	BFA Exhibit	Z	—	N	Y
ART	4372	Senior Seminar	Z	—	N	Y
ATTR	3327	Athletic Training Clinical Experiences II	C	—	N	Y
ATTR	4315	Program Development in Athletic Training	R	—	N	Y
BIOL	3402	Cell Biology	I	C	N	Y
BIOL	3403	General Ecology	I	—	N	Y
BIOL	4414	Molecular Mechanisms of Aging	Z	—	N	Y
BIOL	4421	Pathogenic Microbiology	Z	—	N	Y
BIOL	4425	Experimental Neurobiology	Z	—	N	Y
BIOL	4435	Animal Behavior	Z	—	N	Y
BIOL	4442	Restoration Ecology	Z	—	N	Y
BIOL	4450	Plant Ecophysiology	Z	—	N	Y
BIOL	4465	Environmental Toxicology	Z	—	N	Y
BIOL	4475	Advanced Cell Biology	Z	—	N	Y
BIOL	4V85	Undergraduate Research	Z	—	N	Y
CHEM	4112	Seminar	Z	—	N	Y
CHIN	3300	Advanced Chinese Grammar I	I	C	Y	Y
CHIN	3303	Advanced Chinese Grammar II	I	C	N	Y
CHIN	3312	Culture and Society: Advanced Readings in Modern China	D	I	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
CHIN	3320	Advanced Readings in Chinese Literature	D	I	N	Y
CHIN	4110	Chinese Senior Capstone Project	Z	—	N	Y
COMM	3301	Organizational Communication	C	R	N	Y
COMM	3307	Interpersonal Communication	D	—	N	Y
COMM	3311	Evolution of Rhetorical Theory	I	—	Y	Y
COMM	4130	Communication Practicum	Z	—	N	Y
CRIM	4360	Seminar/Practicum	Z	—	N	Y
CRWR	4324	Topics in Creative Writing	Z	—	N	Y
CSCI	3360	Database Systems	C	—	N	Y
CSCI	4315	Information Security	R	—	N	Y
CSCI	4490	Software Engineering	Z	—	N	Y
CSD	4311	Audiology	R	—	N	Y
CSD	4315	Aural Rehabilitation	D	—	N	Y
CSD	4340	Research Principles and Practice	I	C	N	Y
CSD	4343	Capstone in Communication Sciences and Disorders	Z	—	N	Y
ECON	3302	Intermediate Macroeconomics	I	C	Y	Y
ECON	3310	Public Finance	R	—	Y	Y
ECON	3330	Environmental Economics	R	—	Y	Y
ECON	4335	International Trade	D	—	Y	Y
ECON	4380	Senior Seminar	Z	—	N	Y
ELSE	3309	Development and Characteristics of Diverse Learners	D	—	N	Y
ELSE	4307	Instructional Programming and Techniques for Young Diversity Learners	R	—	N	Y
ELSE	4309	Classroom Management	C	—	N	Y
ELSE	4331	Assessment in Early Childhood Education	I	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
ELSE	4603	Internship II	Z	—	N	Y
ELSE	4604	Internship II	Z	—	N	Y
ENGL	3312	Modern Grammars	C	—	N	Y
ENGL	3315	Gender and Language	C	D	N	Y
ENGL	3320	Literature for the Middle Grades	D	—	N	Y
ENGL	3325	Advanced Readings in World Literature	D	—	Y	Y
ENGL	3335	Language and Grammar Studies	C	—	N	Y
ENGL	3345	Literature and the Examined Life	R	—	Y	Y
ENGL	4312	American Provincial Literature	D	—	N	Y
ENGL	4313	American Romanticism and Realism	D	—	N	Y
ENGL	4314	American Fiction Since 1900	D	I	N	Y
ENGL	4315	Twentieth Century American Poetry	D	I	N	Y
ENGL	4325	Topics in Postcolonial Literature	C	R	N	Y
ENGL	4335	Senior Seminar	Z	—	Y	Y
ENGL	4343	Tudor-Stuart Drama	I	—	N	Y
ENGL	4345	Twentieth Century English Drama	I	—	N	Y
ENGL	4346	Restoration and Eighteenth Century Drama	I	—	N	Y
ENGL	4347	Twentieth Century American Drama	D	I	N	Y
ENGL	4354	Modernism	D	—	N	Y
ENGL	4355	Post-Modernism	D	—	N	Y
ENGL	4360	History and Structure of the English Language	C	—	N	Y
ENGL	4361	Adolescent Literature	D	—	N	Y
ENGL	4362	Southern Literature and Folklore	D	—	N	Y
ENGL	4370	Women's Literature	D	—	N	Y
ENGL	4371	American Novel to 1900	I	—	N	Y
ENGL	4372	Eighteenth Century English Novel	I	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
ENGL	4373	Nineteenth Century English Novel	I	—	N	Y
ENGL	4374	Twentieth Century English Novel	I	—	N	Y
ENGL	4375	Twentieth Century English Poetry	I	—	N	Y
ENGL	4380	African and African American Literature	D	—	N	Y
ENGL	4381	Major African/African American Writers	D	—	N	Y
ENGL	4382	Race in American Literature	D	—	N	Y
ENGL	4V85	Travel Seminar in English	D	—	Y	Y
ENGR	4312	Senior Design 2	Z	—	N	Y
ENVR	3410	Environmental Theory and Application	D	C	N	Y
ENVR	4410	Environmental Practicum	Z	—	N	Y
EXSS	3316	Curriculum	R	—	N	Y
EXSS	3348	Exercise Prescription for General Populations	R	—	N	Y
EXSS	3382	Biomechanics	I	—	Y	Y
EXSS	4320	Measurement and Evaluation in Human Performance	Z	—	N	Y
EXSS	4351	Sport and Fitness Administration	C	—	N	Y
EXSS	4395	Sport in American Society	D	—	Y	Y
FACS	3311	Resource Management	C	—	N	N
FACS	3372	Personal and Family Finance	I	R	Y	N
FACS	3456	Methods in FACS Education	Z	—	N	Y
FACS	4680	Internship II	Z	—	N	Y
FACS	4681	Internship II	Z	—	N	Y
FILM	3315	Classical Film Theory	I	R	N	Y
FILM	3351	Cinema History II	D	—	N	Y
FILM	4356	Digital Filmmaking 3	C	—	N	Y
FILM	4357	Digital Filmmaking 4	Z	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
FINA	3330	Managing Finance and Capital	I	—	N	Y
FINA	3350	Personal Financial Planning	R	—	Y	N
FINA	4336	Advanced Financial Management	C	—	N	Y
FREN	3300	Advanced Grammar and Composition I	I	C	Y	Y
FREN	3303	Advanced Grammar and Composition II	I	C	Y	Y
FREN	3312	French Civilization	D	I	Y	Y
FREN	3315	Issues of Cultural Identity	D	R	N	Y
FREN	3321	French Literature II	D	I	N	Y
FREN	3370	French Translation	D	I	N	Y
FREN	4110	Senior Capstone Project	Z	—	N	Y
GEOG	3301	Conservation of Natural Resources	R	—	N	Y
GEOG	3305	Economic Geography	I	—	Y	N
GEOG	3315	Geography of Latin America	D	C	N	Y
GEOG	3325	Urban and Regional Planning	R	—	N	Y
GEOG	3333	Geography of Natural Hazards	R	—	N	Y
GEOG	3335	Geography of Europe and Russia	D	—	N	Y
GEOG	3345	Geography of China and East Asia	D	—	N	Y
GEOG	3371	Urban Geography	I	—	Y	N
GEOG	3380	Geography of Arkansas	D	—	N	Y
GEOG	3381	Political Geography	I	—	Y	Y
GEOG	3403	Geographic Information Systems	I	—	N	Y
GEOG	4304	Water Resources	R	—	N	Y
GEOG	4313	Recreation and Tourism	I	R	Y	N
GEOG	4390	Historical Geography of the United States	D	—	N	Y
GEOG	4391	Research Seminar	Z	—	N	Y
GERM	3300	Advanced Grammar and Composition I	D	C	Y	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
GERM	3303	Advanced Grammar and Composition II	I	C	Y	Y
GERM	3312	German Civilization	D	C	Y	Y
GERM	3320	Introduction to German Literature	D	I	Y	Y
GERM	4395	Advanced German Literature	D	I	N	Y
H ED	3300	Health Education Methods and Materials	C	—	Y	Y
H ED	3301	Theoretical Bases in Health Education	R	—	Y	Y
H ED	3305	Human Sexuality	D	—	Y	Y
H ED	3320	Epidemiological Research	I	—	Y	N
H ED	4395	Contemporary Health Concerns: Women	D	—	Y	N
H ED	4396	Contemporary Health Concerns: Men	D	—	Y	N
H ED	4600	Health Education Internship	Z	—	N	Y
H SC	3320	Legal and Ethical Issues in Addiction	D	—	Y	N
H SC	4600	Health Science Internship	Z	—	N	Y
H SC	4610	Practicum in Substance Abuse	Z	—	N	Y
HIST	3303	Asian Civilization I	D	—	Y	N
HIST	3304	Asian Civilization II	D	—	Y	N
HIST	3320	History of Christianity I	R	—	Y	N
HIST	3321	History of Christianity II	R	—	Y	N
HIST	3340	Introduction to American Indian History, 1500-Present	I	—	Y	N
HIST	3353	African-American History Before 1868	I	—	Y	N
HIST	3354	African-American History, 1868-Present	I	—	Y	N
HIST	3360	Pre-Colonial African History	D	—	Y	N
HIST	3365	Modern African History	D	—	Y	N
HIST	3381	American Military History	I	—	Y	N

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
HIST	3385	World Military History: A Survey of Global Conflict Patterns	D	—	Y	N
HIST	4300	Seminar	Z	—	N	N
HIST	4301	American Environmental History	C	R	Y	N
HIST	4302	History of Witchcraft	I	C	Y	N
HIST	4304	Material Culture: Finding History in Everyday Things	I	—	Y	N
HIST	4306	Atlantic Slave Trade	D	—	Y	N
HIST	4308	Gender in American History	I	C	Y	N
HIST	4311	American Colonial and Revolutionary History	I	C	Y	N
HIST	4314	Departmental Honors Thesis Writing	Z	—	N	N
HIST	4322	Early National History, 1783-1848	I	—	Y	N
HIST	4324	Topics in American History	I	—	Y	N
HIST	4327	The American West	I	—	Y	N
HIST	4328	Modern Latin America	D	—	Y	N
HIST	4333	US Immigration and Ethnic History from Colonial Times to Present	I	C	Y	N
HIST	4335	Diplomatic History of the United States	I	C	Y	N
HIST	4336	Work, Wealth, and Power in US History	I	—	Y	N
HIST	4338	American History through Film	I	—	Y	N
HIST	4340	Emergence of Modern America, 1877-1920	I	—	Y	N
HIST	4343	History of Mexico	D	—	Y	N
HIST	4344	Topics in World History	D	—	Y	N
HIST	4345	The South to 1865	I	C	Y	N
HIST	4346	The South since 1865	I	—	Y	N
HIST	4350	America in Depression and War, 1920-1960	I	—	Y	N

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
HIST	4355	Role of Arkansas in the Nation	I	—	Y	N
HIST	4358	Recent American History	I	—	Y	N
HIST	4359	Civil Rights Movement History	I	C	Y	N
HIST	4365	History of Imperialism: A Review of World Colonial Systems	D	—	Y	N
HIST	4381	Modern China	D	—	Y	N
HIST	4383	Modern Japan	D	—	Y	N
HIST	4386	The War in the Pacific, 1931-1945	D	I	Y	N
HIST	4398	The Politics of Sex and Sexuality in Modern East Asia	C	D	Y	N
HONC	3320	Honors Oxford Tutorial	I	C	N	Y
HONC	4310	Honors Senior Seminar	D	R	N	Y
HONC	4320	Honors Thesis	Z	—	N	Y
IDSN	3340	History of Interiors, Architectures, and Furniture I	D	C	N	Y
IDSN	3341	History of Interiors, Architectures, and Furniture II	D	C	N	Y
IDSN	3355	Introduction to Historic Preservation	I	R	N	Y
IDSN	4305	Advanced Interior Design Studio	Z	—	N	Y
ILS	3380	History and Principles of the Liberal Arts	I	R	Y	Y
ILS	4380	Senior ILS Capstone Interdisciplinary Project	Z	—	N	Y
INSU	4320	Corporate Risk Management	C	—	Y	Y
JOUR	3308	News Editing	I	C	N	Y
JOUR	3321	Internship	Z	—	N	Y
LALS	3300	Topics in Latin American and Latino Studies	D	I	Y	N
LING	3325	Sociolinguistics	D	—	Y	Y
LING	4110	Capstone in Linguistics	Z	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
LING	4330	Educational Linguistics	C	—	Y	Y
LING	4370	Field Methods in Linguistics	I	R	N	Y
MATH	3320	Linear Algebra	I	—	N	Y
MATH	3331	Ordinary Differential Equations	C	—	N	Y
MATH	4301	Secondary Mathematics Methods	C	—	N	Y
MATH	4306	Modeling and Simulation	Z	—	N	Y
MATH	4350	Introduction to the History of Mathematics	D	—	N	Y
MATH	4362	Advanced Calculus I	Z	—	N	Y
MATH	4371	Introduction to Probability Theory	R	—	N	Y
MATH	4680	Teaching Internship II	Z	—	N	Y
MATH	4681	Teaching Internship II	Z	—	N	Y
MCOM	3301	Media Law and Ethics	D	R	Y	Y
MGMT	3315	International Business Communications	C	—	Y	Y
MGMT	3340	Managing People and Work	D	R	N	Y
MGMT	4347	Managing Policy and Strategy	Z	—	N	Y
MGMT	4348	Advanced Organizational Behavior	C	—	N	Y
MGMT	4376	New Venture Creation	C	—	Y	Y
MGMT	4385	Safety and Motor Carrier Policy	C	—	Y	Y
MILS	4301	Leadership and Management	D	R	N	Y
MILS	4302	Officership	I	C	N	Y
MIS	4328	Systems Analysis and Design	C	—	N	Y
MIS	4355	Project Management	Z	—	N	Y
MKTG	4355	Marketing Management	C	—	N	Y
MSIT	3310	Learning and Development	D	R	Y	N
MSIT	4321	Classroom Assessment	I	—	N	Y
MSIT	4325	Disciplinary Literacy	C	—	Y	N
MSIT	4612	Internship II	Z	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
MSIT	4613	Internship II	Z	—	N	Y
MUS	3210	Counterpoint	I	—	N	Y
MUS	3302	Music History I	D	C	Y	Y
MUS	3303	Music History II	D	C	N	Y
MUS	4102	Senior Recital	Z	—	N	Y
MUS	4108	Senior Project	Z	—	N	Y
MUS	4214	Introduction to Electroacoustic Music	C	I		
MUS	4311	Linear Analysis	I	—	N	Y
MUS	4340	Internship I	I	C	N	Y
MUS	4690	Internship II	Z	—	N	Y
MUS	4691	Internship II	Z	—	N	Y
NURS	3515	Chronic Health Nursing and Older Adult Wellness	R	—	N	Y
NURS	4213	Nursing Research for Evidence-Based Practice	I	—	N	Y
NURS	4220	Health Policy and Professional Issues	D	—	N	Y
NURS	4315	Research and Evidence-Based Practice	I	—	N	Y
NURS	4430	Immersion Experience	Z	—	N	Y
NURS	4505	Caring for Adults with Complex Health Problems	C	—	N	Y
NUTR	4335	Nutrition Senior Seminar	Z	—	N	Y
NUTR	4395	Nutrition: Contemporary Issues	D	—	Y	Y
PETE	3330	Physical Education for Elementary Grades	R	—	N	Y
PHIL	3300	Greek and Roman Philosophy	I	C	Y	N
PHIL	3320	Ethics	I	R	Y	N
PHIL	3325	Political Philosophy	I	R	Y	N
PHIL	3340	African American Philosophy (to be Critical Theories of Race)	D	R	Y	N

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
PHIL	3345	Feminist Philosophy	D	R	Y	N
PHIL	3352	Asian Philosophy and Religion	D	C	Y	N
PHIL	3380	Philosophy of Science	I	C	Y	N
PHIL	4310	Great Works in Philosophy	Z	—	Y	N
PHIL	4320	Applied Ethics	D	R	Y	N
PHIL	4340	The Meaning of Life	Z	—	Y	N
PHYS	4211	Senior Capstone 2	Z	—	N	Y
PRLS	3310	Writing for Public Relations	D	—	N	Y
PRLS	4305	Public Relations Cases and Campaigns	Z	—	N	Y
PRLS	4308	Public Relations Management	I	—	N	Y
PSCI	3305	UN and International Politics	I	—	Y	Y
PSCI	3320	Environmental Politics	I	R	N	Y
PSCI	3361	Public Policy Analysis	Z	—	N	Y
PSCI	3370	Political Theory I	R	—	Y	Y
PSCI	3371	Political Theory II	I	R	Y	Y
PSCI	4300	Constitutional Law	I	—	Y	Y
PSCI	4301	Civil Liberties	I	—	Y	Y
PSCI	4307	Political Ethics	I	R	Y	Y
PSCI	4328	Dynamics of Democratization	Z	—	N	Y
PSCI	4331	American Political Theory	I	R	Y	Y
PSCI	4334	The American Presidency	I	—	Y	Y
PSCI	4375	Federalism and Intergovernmental Relations	C	—	Y	Y
PSYC	3305	Health Psychology	R	—	Y	Y
PSYC	3306	Positive Psychology	R	—	Y	Y
PSYC	3332	Research Methods	I	—	N	Y
PSYC	3340	Research Methods Lab	Z	—	N	Y
PSYC	3350	Psychology of Women	D	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
PSYC	3361	Introduction to Media Psychology	C	—	N	Y
PSYC	4305	Judgment and Decision-Making	I	C	Y	Y
PSYC	4340	History and Systems of Psychology	I	D	N	Y
RELG	3301	Theories and Methods in Religious Studies	I	C	Y	N
RELG	3325	Buddhism	D	R	Y	N
RELG	3330	Religion and Gender	D	R	Y	N
RELG	3335	Judaism	D	R	Y	N
RELG	3340	Religion, Science, and Technology	I	C	Y	N
RELG	3345	African/African American Religious Thought	D	—	Y	N
RELG	4320	Contemporary Religious Thought	Z	—	Y	N
RELG	4325	Postmodern Theology	Z	—	Y	N
SOC	3310	Racial and Ethnic Relations	D	R	Y	Y
SOC	3320	Social Research Methods	I	C	Y	Y
SOC	3321	Qualitative Research Methods	I	C	Y	Y
SOC	3361	Gender Roles	D	R	Y	Y
SOC	4360	Seminar	Z	—	Y	Y
SPAN	3300	Advanced Grammar and Composition	I	C	N	Y
SPAN	3303	Advanced Composition and Textual Analysis	I	C	N	Y
SPAN	3312	Spanish Civilization	D	I	N	Y
SPAN	3313	Latin American Civilization	D	I	N	Y
SPAN	3315	Topics in Hispanic Studies	D	R	N	Y
SPAN	3320	Spanish Literature	D	I	N	Y
SPAN	3321	Spanish American Literature	D	I	N	Y
SPAN	3380	Spanish Practicum in Service Learning	R	—	N	Y
SPAN	4110	Senior Capstone Project	Z	—	N	Y
STEM	6400	Apprentice Teaching	Z	—	N	Y

SUBJ	CNUM	Title	CAT1	CAT2	NON-MAJR	RESTR
THEA	3324	Theatre History I	I	—	Y	N
THEA	3325	Theatre History II	D	C	Y	N
THEA	4300	Professional Issues	R	—	N	Y
THEA	4320	Play Directing	Z	—	N	Y
WRTG	3310	Technical Writing	C	—	Y	Y
WRTG	3390	Discourse Analysis	I	R	Y	Y
WRTG	4308	Writing for Change	Z	—	Y	Y
WRTG	4320	Intercultural Rhetoric and Writing	D	—	Y	Y

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5. ARKANSAS COURSE TRANSFER SYSTEM

URL: http://uca.edu/academicbulletins/acts/

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses among Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment in the application of credits for admissions and degree requirements. Course transferability is not guaranteed for courses identified in ACTS as having "No Comparable Course." Additionally, courses in which a student has earned a "D" frequently do not transfer, and institutional policies may vary. ACTS may be accessed on the Internet here: ADHE website.

In the Undergraduate Bulletin, beginning with the 2013–2014 issue, ACTS index numbers are included in relevant course lists and in the check sheet for the lower-division UCA Core.

Course list links:

1. UBulletin 2017–2018
2. UBulletin 2016–2017
3. UBulletin 2015–2016
4. UBulletin 2014–2015
5. UBulletin 2013–2014

UCA Core link:

1. UBulletin LD UCA Core Check Sheet

Additionally, the following table (most recently updated 2015-07-30) lists UCA courses and their ACTS counterparts. Course numbers and names in red indicate local changes not yet reflected in the ACTS database.

The ACTS website notes the following (indicated by asterisks in the table):

* Note – Human Anatomy and Physiology I and Human Anatomy and Physiology II must be taken at the same institution to be transferable.
** Note – Accounting and business courses are not general education core courses.

UCA CNUM	UCA COURSE TITLE	ACTS CNUM	ACTS COURSE TITLE
ACCT 2310 **	Principles of Accounting I	ACCT2003	Principles of Accounting I
ACCT 2311 **	Principles of Accounting II	ACCT2013	Principles of Accounting II
ACCT 2321 **	Legal Environment of Business	BLAW2003	Legal Environment of Business
ANTH 1302	Anthropology	ANTH1013	Introduction to Anthropology
ART 2300	Art Appreciation	ARTA1003	Art Appreciation

UCA CNUM	UCA COURSE TITLE	ACTS CNUM	ACTS COURSE TITLE
ART 2335	Art History, Prehistoric to Medieval	ARTA2003	Art History Survey I
ART 2336	Art History, Renaissance to Modern	ARTA2103	Art History Survey II
BIOL 1400	Exploring Concepts in Biology	BIOL1004	Biology for Non-Majors
BIOL 1401	Exploring Ecology and the Environment	BIOL1004	Biology for Non-Majors
BIOL 1402	Exploring Human Biology	BIOL1004	Biology for Non-Majors
BIOL 1410	Human Anatomy and Physiology I	BIOL2404	Human Anatomy and Physiology I *
BIOL 1440	Principles of Biology I	BIOL1014	Biology for Majors
BIOL 2406	Structure and Function of the Human Body I	BIOL2404	Human Anatomy and Physiology I *
BIOL 2407	Structure and Function of the Human Body II	BIOL2414	Human Anatomy and Physiology II *
BIOL 2410	Human Anatomy and Physiology II	BIOL2414	Human Anatomy and Physiology II *
BIOL 2411	Microbiology in Human Affairs	BIOL2004	Introductory Microbiology
CHEM 1400	Chemistry in Society	CHEM1004	Chemistry I for General Education
CHEM 1402	General Chemistry for Health Sciences	CHEM1214	Chemistry I for Health Related Professions
CHEM 1450	College Chemistry I	CHEM1414	Chemistry I for Science Majors
CHEM 1451	College Chemistry II	CHEM1424	Chemistry II for Science Majors
CHEM 2450	Introduction to Organic and Biochemistry	CHEM1224	Chemistry II for Health Related Professions
COMM 1300	Principles of Communication	SPCH1003	Introduction to Oral Communication
CSCI 1300	Introduction to Computing	CPSI1003	Introduction to Computers
ECON 2320	Principles of Macroeconomics	ECON2103	Principles of Macroeconomics
ECON 2321	Principles of Microeconomics	ECON2203	Principles of Microeconomics

UCA CNUM	UCA COURSE TITLE	ACTS CNUM	ACTS COURSE TITLE
ENGL 1320	Interdisciplinary Writing and Research	ENGL1023	Composition II
ENGL 2305	World Literature I	ENGL2113	World Literature I
ENGL 2306	World Literature II	ENGL2123	World Literature II
ENGL 2312	American Literature I	ENGL2653	American Literature I
ENGL 2313	American Literature II	ENGL2663	American Literature II
ENGL 2316	English Literature I	ENGL2673	British Literature I
ENGL 2317	English Literature II	ENGL2683	British Literature II
FREN 1310	Elementary French I	FREN1013	French I
FREN 1320	Elementary French II	FREN1023	French II
FREN 2310	Intermediate French I	FREN2013	French III
FREN 2320	Intermediate French II	FREN2023	French IV
GEOG 1300	Geography of World Regions	GEOG2103	World Regional Geography
GEOG 1305	Principles of Geography	GEOG1103	Introduction to Geography
GEOG 1315	Introduction to Physical Geography	GEOG2223	Physical Geography
GEOG 1320	Introduction to Human Geography	GEOG1113	Human Geography
GEOG 1400	Earth Systems Science	PHSC1104	Earth Science
GERM 1310	Elementary German I	GERM1013	German I
GERM 1320	Elementary German II	GERM1023	German II
GERM 2310	Intermediate German I	GERM2013	German III
GERM 2320	Intermediate German II	GERM2023	German IV
HIST 1310	World History I	HIST1113	World Civilizations I
HIST 1320	World History II	HIST1123	World Civilizations II
HIST 2301	American Nation I	HIST2113	United States History I
HIST 2302	American Nation II	HIST2123	United States History II
MATH 1360	Quantitative Literacy	MATH1113	Quantitative Literacy / Mathematical Reasoning
MATH 1390	College Algebra	MATH1103	College Algebra

UCA CNUM	UCA COURSE TITLE	ACTS CNUM	ACTS COURSE TITLE
MATH 1392	Plane Trigonometry	MATH1203	Plane Trigonometry
MATH 1496	Calculus I	MATH2405	Calculus I
MATH 1497	Calculus II	MATH2505	Calculus II
MATH 1580	Algebra and Trigonometry	MATH1305	Pre-Calculus
MATH 2311	Statistical Methods I	MATH2103	Introduction to Statistics
MATH 2471	Calculus III	MATH2603	Calculus III
MGMT 2301 **	Business Communications	BUSI2013	Business Communications
MUS 2300	Music Appreciation	MUSC1003	Music Appreciation
PHIL 1301	Philosophy for Living	PHIL1103	Philosophy
PHIL 2305	Critical Thinking	PHIL1003	Introduction to Critical Thinking
PHYS 1400	Physical Science for General Education	PHSC1004	Physical Science
PHYS 1401	Descriptive Astronomy	PHSC1204	Introduction to Astronomy
PHYS 1410	College Physics 1	PHYS2014	Algebra/Trigonometry-Based Physics I
PHYS 1420	College Physics 2	PHYS2024	Algebra/Trigonometry-Based Physics II
PHYS 1441	University Physics 1	PHYS2034	Calculus-Based Physics I
PHYS 1442	University Physics 2	PHYS2044	Calculus-Based Physics II
PSCI 1330	United States Government & Politics	PLSC2003	American National Government
PSYC 1300	General Psychology	PSYC1103	General Psychology
PSYC 2370	Developmental Psychology	PSYC2103	Developmental Psychology
QMTH 2330 **	Business Statistics	BUSI2103	Business Statistics
SOC 1300	Principles of Sociology	SOCI1013	Introduction to Sociology
SOC 2325	Social Problems	SOCI2013	Social Problems
SPAN 1310	Elementary Spanish I	SPAN1013	Spanish I
SPAN 1320	Elementary Spanish II	SPAN1023	Spanish II
SPAN 2300	Intermediate Spanish I	SPAN2013	Spanish III

UCA CNUM	UCA COURSE TITLE	ACTS CNUM	ACTS COURSE TITLE
SPAN 2310	Intermediate Spanish II	SPAN2023	Spanish IV
THEA 2300	Theatre Appreciation	DRAM1003	Theatre Appreciation
WRTG 1310	Introduction to College Writing	ENGL1013	Composition I
WRTG 1320	Academic Writing and Research	ENGL1023	Composition II
WRTG 2310	Introduction to Creative Writing	ENGL2013	Introduction to Creative Writing

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Undergraduate Bulletin

1. Undergraduate Bulletin Notices

Content linked from the Academic Bulletins site (and from others) is not repeated here, but the headings and URLs are included to indicate what is presented in the site.

Academic Maps

URL: http://uca.edu/academicmaps/

Accreditation

URL: http://uca.edu/accreditation/

ACTS – Arkansas Course Transfer System

URL: http://uca.edu/academicbulletins/acts/

Bulletin Provisions

URL: http://uca.edu/academicbulletins/bulletin-provisions/

Notice of Non-Discrimination

URL: http://uca.edu/academicbulletins/notice-of-non-discrimination/

2. POLICIES AND INFORMATION

Contents linked from the Academic Bulletins site (and others) is not repeated here, but the headings and URLs are included to indicate what is presented on the page.

Mission and Origins of the University

URL: http://uca.edu/academicbulletins/mission-and-origins-of-the-university/

Academic Programs and Organization

URL: http://uca.edu/academicbulletins/academic-programs-and-organization/

Admission to the University

URL: http://uca.edu/ubulletin/general-policies-information/admission-to-the-university/

[1] Introduction

The Office of Admissions and Enrollment Services at the University of Central Arkansas serves as the contact for all new domestic undergraduate students to the university. Interested students are introduced to the university through various campus preview days, college planning programs, high school visits, and campus tours.

Inquiries about admission to undergraduate study at the university should be addressed to the Office of Admissions and Enrollment Services. This office receives and processes all applications and supporting documentation for admission to UCA and notifies applicants of their admission status.

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

Falsification of any record, including the Application for Admission, is cause for immediate dismissal.

[2] First-Time Undergraduate Admission

The University of Central Arkansas welcomes all applications for admission. The number of first-time undergraduates may be limited by the resources available to the university to provide quality academic programs according to standards established by the Board of Trustees.

A first-time undergraduate is defined as any student who has not previously enrolled in a college or university. (Concurrent enrollment coursework is not considered previous enrollment.) The following criteria are established for both traditional and non-traditional undergraduates. Traditional undergraduate students are defined as those who are under 25 years of age and are a US citizen or resident alien. Non-traditional students are defined as those who are 25 years of age or older and are a US citizen or resident alien.

[2.1] Criteria for Unconditional Admission to the University

A traditional first-time undergraduate may be unconditionally admitted to UCA if the following criteria are met:

1. Cumulative high school grade point average (GPA) of 2.75 or above on a 4.0 grading scale on a minimum of six (6) semesters of high school work.
2. Minimum 21 ACT composite or 1450 SAT combined score (CR+M+W) (Pre-March 2016)/1060 redesigned SAT.
3. Individual subject sub-scores on the ACT/SAT that exempt the student from required remediation.
    - Minimum ACT sub-score of 19 in areas of English, Reading, and Math
    - Minimum SAT (pre-March 2016) sub-scores of 470 Writing, 470 Critical Reading, 460 Math
    - Minimum SAT (redesigned) sub-scores of 26 Writing/Language and 26 Reading, and 500 Math section score
4. Completion of the high school Core Curriculum for college preparation as required by Arkansas Code Annotated §§6-60-208 and 6-61-217 and defined by the Arkansas Higher Education Coordinating Board in consultation with the Arkansas State Board of Education. This requirement applies to students graduating from high school after May 1, 2002. (Follow this link for details about the Arkansas Smart Core on the Arkansas Department of Education web site.)

A non-traditional first-time undergraduate may be unconditionally admitted to UCA if the applicant meets all criteria indicated for traditional students. However, ACCUPLACER or COMPASS scores may be used in lieu of ACT or SAT scores. Minimum exam scores include the following:

ACCUPLACER

- Sentence Skills: 83
- Reading: 78
- Elementary Algebra: 77

COMPASS

- Writing: 80
- Reading: 83
- Algebra: 41

ACT or SAT test scores submitted for admission consideration may not be older than five years. ACCUPLACER or COMPASS scores submitted for non-traditional student admission may not be older than two years.

Applicants who have an ACT test sub-score that is less than 15 or the SAT equivalent in Reading, Mathematics, or English will not be eligible for admission to the university.

Students who plan to attend the University of Central Arkansas as first-time freshmen must also submit to the Office of Admissions prior to registration proof of two MMR (measles, mumps, and

rubella) shots or proper exemptions from the Arkansas Department of Health. Students born before January 1, 1957, are exempt from this requirement.

[2.2] Criteria for Conditional Admission to the University

A first-time undergraduate may be conditionally admitted to UCA if the applicant meets all the following criteria:

1. Minimum cumulative high school grade point average (GPA) of 2.50 or above on a 4.0 grading scale for all secondary school or home school program coursework.
2. Minimum 17 ACT composite or 1210 SAT combined (CR+M+W) (Pre-March 2016)/900 redesigned SAT.
3. Minimum 15 ACT or SAT equivalent in all individual subject sub-scores.
    - SAT (pre-March 2016) 380 Writing, 390 Critical Reading, and 350 Math
    - SAT (redesigned) 22 Writing/Language, 22 Reading, and 390 Math
4. Completion of high school graduation or GED requirements.

A non-traditional first-time undergraduate may be conditionally admitted to UCA if the applicant meets all criteria indicated for traditional students. However, COMPASS scores may be used in lieu of ACT or SAT scores. Minimum exam scores include the following: Algebra Test 18, Writing Test 49, and Reading Test 70.

ACT or SAT test scores submitted for admission consideration may not be older than five years. COMPASS scores submitted for non-traditional student admission may not be older than two years.

Applicants who have an ACT sub-score that is less than 15 or the SAT equivalent in Reading, Mathematics, or English will not be eligible for admission to the university.

Students who plan to attend the University of Central Arkansas as first-time freshmen must also submit proof of two MMR (measles, mumps, and rubella) shots or proper exemptions from the Arkansas Department of Health to the Office of Admissions prior to registration. Students born before January 1, 1957, are exempt from this requirement.

Conditionally admitted students must be admitted and enrolled in classes no later than noon of the day before the first day of class of their entering semester and must meet all terms of conditional admission as outlined by the University in order to continue enrollment.

[2.3] Criteria for Conditional-Prep Status Admission to the University

A first-time undergraduate who does not qualify for conditional admission may be admitted under extenuating circumstances with Conditional-Prep Status if the applicant has graduated from high school, or successfully completed GED requirements, and meets the following criteria:

1. Student requests review of his/her application by submitting a formal appeal form and all requirement supplemental documentation.
2. The University Admissions Committee grants Conditional-Prep Status admission upon review of the application.

Students who plan to attend the University of Central Arkansas as a first-time freshman must also submit proof of two MMR (measles, mumps, and rubella) shots or proper exemptions from the

Arkansas Department of Health to the Office of Admissions prior to registration. Students born before January 1, 1957, are exempt from this requirement.

Conditional-Prep Status students must be admitted and enrolled in classes no later than noon of the day before the first day of class of their entering semester, and must meet all terms of Conditional-Prep Status admission as outlined by the University in order to continue enrollment.

[2.4] Conditional and Conditional-Prep Status: Conditions for Continuing Enrollment

Conditionally admitted students or Conditional-Prep Status students must enroll in ACAD 1300 during their first semester at the university. Conditionally admitted students or Conditional-Prep Status students must attain at least a 2.0 GPA on at least 12 credit hours of academic core subjects and complete any necessary developmental courses within the first 30 credit hours attempted as a degree-seeking student at the university, including developmental course hours. Concurrent or transfer credit hours do not count towards the first 30 credit hours attempted.

Conditionally admitted students or Conditional-Prep Status students who do not attain at least a 2.0 GPA on at least 12 credit hours of academic core subjects within the first 30 credit hours attempted will be placed on first academic suspension as defined by the *Undergraduate Bulletin* in Academic Records, § 8.4 Academic Suspension.

Any student who fails to complete any developmental requirement within the first 30 credit hours attempted will be placed on transitional suspension from the University until such time as the courses are completed at another accredited institution, as defined by the Undergraduate Bulletin in Admission to the University, § 7 Transfer of Credit, and a transcript provided to the Office of the Registrar.

[3] Readmission for Former UCA Students Not Currently Enrolled

Readmission for former UCA students who have not been in attendance for one or more semesters is required. Students may reapply for admission through the Office of Admissions and Enrollment Services at gopurple.uca.edu. An official transcript from all colleges and/or universities attended since the last enrollment at UCA must be sent directly to the Office of Admissions and Enrollment Services by the appropriate institutional official (e.g., registrar).

Readmission to Central Arkansas is contingent upon student status and progress toward completion of all transitional coursework.

Students who plan to attend the University of Central Arkansas must also submit proof of two MMR (measles, mumps, and rubella) shots or proper exemptions from the Arkansas Department of Health prior to registration. Students born before January 1, 1957, are exempt from this requirement.

[4] Early Admission

[4.1] Full-Time

The student who desires to accelerate a formal education may apply for admission to the university at the end of the junior year in high school. In addition to regular admission criteria, a student seeking early admission will have completed a minimum of six semesters of secondary school work, earned a B average or better, have an ACT composite score of at least 25, or equivalent scores on the SAT or ASSET exams, and be recommended by the high school principal.

[4.2] Part-Time, Concurrent with High School Enrollment

High school students enrolled in UCA concurrent credit courses are admitted to the university as part-time pre-baccalaureate students. Once they have received their high school diploma or GED, those students wishing to attend UCA must go through the regular admissions process to be admitted to the university.

Applicants interested in taking concurrent coursework may be eligible if they meet the following criteria:

1. A student must be of junior or senior standing and have earned a high school GPA of 3.0 or higher. In special cases, a sophomore may be permitted to enroll at UCA's discretion upon the recommendation of and justification by an appropriate high school representative, typically the principal or counselor.
2. To enroll in any UCA Core course, the student must (a) have scored 19 or higher on the ACT Reading sub-test or (b) have earned a score on the Aspire or PSAT assessments that are projected to produce a 19 or higher on the ACT Reading sub-test or (c) have earned an equivalent score on the SAT, ASSET, or ACCUPLACER exam.
3. To enroll in courses in English or mathematics, a student must (a) have scored 19 or higher on the respective ACT sub-test or (b) have earned a score on the Aspire or PSAT assessments that are projected to produce a 19 or higher on the respective ACT sub-tests or (c) have earned an equivalent score on the SAT, ASSET, or ACCUPLACER exam.

[4.3] Summer Study for High School Students

A student between the junior and senior year in high school is eligible to apply to attend summer school at the University of Central Arkansas. This special program provides an opportunity for the capable student to find rewarding learning experiences and benefit from an early start in the college career. Once admitted, such a student attends regular college courses and earns college credit applicable to a degree.

Upon the successful completion of the special summer program, the student may elect to return to high school for the senior year, or apply for the early admission plan that substitutes the freshman year in college for the fourth year in secondary school. All of the requirements of the early admission program need to be satisfied before the student is admitted early.

In addition to regular admission criteria, admission to the summer program is predicated upon the following special requirements: completion of six semesters of secondary school work; a grade average of B; and recommendation of the high school principal or counselor.

[5] Admission on an Adult-Special Basis

The adult-special classification applies to persons over twenty-one years of age who desire to take undergraduate courses for no credit. The adult-special classification approval for participation requires the consent of the instructor before the student is admitted. Satisfactory completion of the course is recorded on a permanent record maintained by the university, but no grades are issued. The adult-special student pays full registration fees.

[6] Admission as a Transfer Student

A student who has attended another college or university after graduating from high school or completing a GED and has never attended UCA must apply for admission as a transfer student. Such students will not be considered first-time freshmen, even if no credits were earned at the previous institution(s). Falsification of any record, including the Application for Admission, is cause for immediate dismissal.

Students may be considered for transfer admission if they meet the following criteria:

- Minimum cumulative 2.0 grade point average (GPA) on all coursework from all previously attended colleges/universities
- Students with fewer than 24 earned credit hours must meet minimum freshman admission requirements, including
    - Minimum cumulative high school grade point average (GPA) of 2.50 or above on a 4.0 grading scale for all secondary school or home school program coursework.
    - Minimum ACT composite score of 17 or minimum SAT combined score (Critical Reading, Mathematics, Writing) of 1210.
    - Minimum 15 ACT or SAT equivalent in all individual subject sub-scores

Transfer students must complete all developmental requirements prior to admission or within the first 30 credit hours attempted at the university, including developmental course hours. Any student who fails to complete any developmental requirement within the first 30 credit hours attempted will be placed on transitional suspension from the University until such time as the courses are completed at another accredited institution, as defined by the Undergraduate Bulletin in Admission to the University, § 7 Transfer of Credit, and a transcript provided to the Office of the Registrar.

After enrollment at UCA, the GPA accumulated in residence at the university shall be the cumulative grade point average.

[7] Transfer of Credit

Students entering the university who have attended a college or university accredited by a regional accreditor (or, as determined by the University Registrar, other appropriate accrediting agency) recognized by the US Department of Education 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. Transfer credit is awarded for courses in which an A, B, or C grade is earned. The grade earned for a transfer course does not transfer, only the credit hour value of the transfer course. 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 within the first semester of enrollment.
2. The student must petition to receive credit for six (6) hours of D grades of the student's choosing.
3. The student will select the appropriate six (6) hours of D grades to transfer in to the University after consultation with his/her appointed academic advisor.
4. Prerequisite rules shall apply to transfer of credits with D grades the same as they do to UCA credits.

Anyone transferring to the university will be required to earn at least fifteen hours credit in the major and nine hours credit in the minor in residence prior to graduation. This regulation is binding even though the student has sufficient hours of credit otherwise to meet requirements of the major and minor. All standards with respect to transfer credit are binding and are not, therefore, subject to appeal.

There is no limit on the number of credit hours that may be transferred to the university; however, a maximum of sixty semester hours transferred from a two-year institution may be applicable toward a baccalaureate degree. The equivalent of two full years' work (sixty semester hours) at the senior college level will be required for a baccalaureate degree, with one exception: students transferring to UCA under the terms of a negotiated associate-to-baccalaureate articulation-transfer agreement will fulfill this requirement by completing all requirements beyond the associate degree requirements at the senior college level.

Acceptance of credits and subsequent establishment of standing are provisional until completion of one semester of satisfactory work in residence at UCA.

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses among Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment in the application of credits for the admissions and degree requirements. Course transferability is not guaranteed for courses listed in ACTS as "No Comparable Course." Additionally, courses with a "D" frequently do not transfer and institutional policies may vary (see UCA's policy above). ACTS may be accessed on the ADHE website.

[8] Admission of International Students

All inquiries regarding undergraduate international admission should be addressed to and are processed by the Office of International Engagement. Undergraduate international readmission applications are processed by the Office of International Engagement and forwarded to the Registrar for readmission consideration.

International applicants to UCA whose first language is not English must demonstrate a satisfactory level of English proficiency. Students need a strong command of the English language to succeed academically.

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 $50.00 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 2.50 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 equivalent score on the SAT; or
    d. 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, foreign transcripts must be accompanied by a UCA-recognized third-party credential evaluation. The Office of International Engagement maintains a list of UCA-recognized third-party credential evaluators. Transfer applicants should also submit copies of their current I-20, passport, and I-94 card.

4. Applicants whose first language is not English must demonstrate proficiency by submitting one of the following:

    a. TOEFL PBT score of 500 or higher.
    b. TOEFL CBT score of 173 or higher
    c. TOEFL iBT score of 61 or higher
    d. IELTS score of 5.5 or higher

5. Scores must be less than two years old and be received directly from the Educational Testing Service (ETS); UCA's school code is 6012. A TOEFL score is not required of applicants who will complete the UCA's Intensive English Program before pursuing an undergraduate degree. Applicants can contact TOEFL, Educational Testing Service, P.O. Box 6151, USA, requesting a bulletin of information. The Office of International Engagement maintains a list of English proficiency requirements exempt countries. Applicants from those countries who speak English as their first language, will be considered proficient in English. Applicants must also submit documentation of financial support, accompanied by a Confirmation of Financial Resources Form. Students must demonstrate the financial capacity as required by immigration regulations and by any Exchange Agreement or other agreements which may exist and apply to the student's situation. Such applicants must also submit a copy of the biographical page of their passport. 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.

[9] 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.

Registration and Credit

URL: http://uca.edu/ubulletin/general-policies-information/registration-and-credit/

[1] Orientation, Advising, and Registration

The academic year beginning in August comprises two semesters and a summer session.

The university assists students in adjusting to college life. An effort is made to promote self-respect, personal and school pride, and honor so that students may become responsibly self-directing, not only in campus and off-campus experiences, but in later experiences as individuals, professional persons, and citizens.

Several orientation programs are offered to assist freshmen and transfer students. A summer orientation program gives students and parents an opportunity to learn more about UCA, its services and programs, and to advance register for fall semester classes. Immediately prior to the beginning of the fall and the spring semesters, orientation sessions are offered for freshmen and transfer students. Orientation sessions focus on providing students with information to help them succeed at UCA.

The university makes available detailed information about registration procedures and dates. All students are expected to follow established procedures to register for courses during the dates specified for each academic term. Credit is not awarded in any course for which the student is not duly registered. Once registered, a student will be considered officially enrolled unless they officially withdraw from the university before the first date of classes for the term.

Each student is responsible for planning a program of study and for meeting requirements for graduation. Students should become familiar with curricular requirements, course sequences (indicated by course numbering and prerequisites), upper-and lower-division requirements, the unit of credit, and the normal study load limit.

All students receive assistance of a faculty advisor. First-year freshmen and students who have not declared a major will receive advising from the Academic Advising Center in Harrin 100. Declared students in their sophomore year or higher will receive advising from their major advisor within the department in which the major is located. **It is ultimately the responsibility of all students to be informed of all regulations and requirements and to monitor progress toward a successful university experience, including meeting any and all requirements for a degree from UCA**.

[2] Changes in Registration/Withdrawal from Courses or the University

During the standard change-of-course period specified in the academic calendar, a student can electronically add or drop courses using the online registration system. It is recommended that students check with their advisor and the Office of Student Financial Aid prior to changing their course selections. To add a course after the change-of-course period, a student must submit a schedule exception form approved by the course instructor, the department chair, the dean of the college, and their advisor. Information posted on the Registrar's website (e.g., academic calendar, withdrawal 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) will be recorded according to the deadlines specified in the academic calendar for the semester.

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

[3] Auditing a Course

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. Fees for an audit course are the same a those for a credit course.

[4] Classification of Students

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

Freshman: A student who has less than 30 semester hours credit
Sophomore: A student who has 30 semester hours credit
Junior: A student who has 60 semester hours credit
Senior: A student who has 90 or more semester hours credit

The post-baccalaureate student is one who possesses a baccalaureate degree, is not a graduate student, and is registered in courses for undergraduate credit. A post-baccalaureate student may elect a program of study beyond the baccalaureate degree but will not be classified as a graduate student and may not enroll for graduate credit.

A student must be officially admitted to the Graduate School before being eligible to enroll in graduate-level courses.

[5] Course Numbers

The numbering of courses has the following significance:

1. The first digit indicates the level of the course:
    1. **1000**: Courses designed for beginning students
    2. **2000**: Second-level courses, often in the sequential development of programs representing a higher level of sophistication than the 1000-level courses
    3. **3000**: Third-level courses open to both sophomores and upper-division students
    4. **4000**: Courses open only to juniors and seniors
    5. **5000** & higher: Graduate courses open only to students admitted to graduate-level study
2. The second digit indicates the amount of credit. A course numbered 1300 is a freshman course giving three semester hours of credit.
3. The last two digits distinguish a course from others offered by the same department.

[6] Credit Hours and Course Loads

The unit of credit at the university is the semester hour. A semester hour is defined as the credit earned for the successful completion of one hour per week in class for one semester, or a minimum of two hours per week of laboratory work for one semester. Each lecture hour suggests a minimum of two hours preparation on the part of the student.

The minimum number of semester hours per semester for classification as a full-time undergraduate student is twelve. The maximum number of semester hours in which a student with less than a B average (3.0) may enroll is eighteen. A student who has an overall GPA of 3.0 or a GPA of 3.0 in the preceding semester may, with the approval of the advisor, department chair, college Dean and Office of the Registrar, schedule a maximum of twenty-one hours for the following semester. A request to take more than twenty-one hours in a semester will require written approval from the student's advisor, major department chair, college dean, and provost.

For the summer session, the minimum load for classification as a full-time student is based on the length in the course of study. For a five-week course of study, four semester hours is the normal minimum load required for classification as a full-time student, and seven semester hours is the normal maximum allowable. A request to take more than a maximum load in a summer term will require written approval from the student's advisor, major department chair, and college dean.

To be eligible for graduation with a baccalaureate degree, a student must complete a program of study that contains at least 120 semester hours of unduplicated credit – of which at least 40 hours must be upper-division – or more if the curriculum requires it.

[7] The Credit, No-Credit Grading Option

The credit, no-credit grading option is designed to provide the opportunity for a student to explore academic areas that are not included in required areas of study.

A junior or senior student in good standing (i.e., eligible to be enrolled at UCA) may take one elective course each semester (for a maximum of four courses) under the credit, no-credit option. These courses will not be permitted to satisfy UCA Core, degree, or major and minor (graduation) requirements.

The student must declare an intention to the registrar to receive the "credit, no-credit" designation by the close of the late registration period and may not change to grade status during the term. Passing work will receive credit; failing work, no-credit. In either event, the course will not calculate in the grade point average.

The above regulations do not apply to courses that are graded only on a credit, no-credit basis.

[8] Credit by Examination

A student may present no more than 30 hours credit earned through examination toward the associate or baccalaureate degrees.

[8.1] CLEP: College Level Examination Program

The College Level Examination Program (CLEP) allows a student to receive university credit and/or satisfy university requirements. The university permits a student to take either the general examinations or specific subject examinations to earn college credit for a maximum of thirty hours

of UCA Core courses. No student may use test scores in lieu of courses in the major or minor, except in instances where UCA Core requirements and major or minor requirements overlap.

CLEP credit may be awarded to those students who have met the minimum score requirement set by the university, have not already satisfied the UCA Core requirement, and have not begun the course for which credit is sought. All examinations must be taken before the end of the semester in which a student is enrolled for the 75th hour.

When a student has satisfactorily completed the examination and has earned 12 hours in residence at the university, credit will be recorded and designated CLEP on the student's permanent record. However, the result of CLEP examinations will not be used in computing a student's grade point average. Thirty semester hours is the maximum examination credit allowed. To earn credit in writing, the examination must be taken before the student begins the course(s) for which credit is sought. Credit for successful completion of these examinations is recorded at the end of the term in which the scores are received. Students should apply directly to the test center where the test is to be taken. A transcript of scores must be sent to the Office of the Registrar.

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

CLEP Examination	UCA Courses	Score	Hours Credit
College Composition	WRTG 1310	50	3
	WRTG 1310 and/or 1320	60	3-6
Natural Sciences	BIOL 1400 & PHYS 1400	50	8
College Mathematics	MATH 1360	50	3
College Algebra	MATH 1390	48	3
Humanities	ART 2300	50	3
Social Sciences & History	Awards 3 hours of General Elective credit	49	3
History of the United States I: Early Colonization to 1877	HIST 2301	49	3
History of the United States II: 1865 to the Present	HIST 2302	50	3
Western Civilization I: Ancient Near East to 1648	HIST 1310	50	3
Western Civilization II: 1648 to the Present	HIST 1320	48	3
A maximum of 9 hours may be awarded in History.			
American Government	PSCI 1330	51	3
Introductory Psychology	PSYC 1300	51	3

CLEP Examination	UCA Courses	Score	Hours Credit
Introductory Sociology	SOC 1300	51	3

The CLEP Social Studies-History test will be awarded "general elective" credit (not "UCA Core" or "general education" credit) with a score of 49 or higher and count in the 120-hour minimum for graduation. It is not applicable to any UCA Core or program requirements.

A UCA Core requirement in history can be satisfied by passing subject examinations in World History I and/or World History II. The requirement of one course in American history or US government may be satisfied by passing subject examinations in those areas. It is also possible to earn credit on subject examinations in college algebra, general psychology, and introductory sociology.

[8.2] DANTES Subject Standardized Tests

The University of Central Arkansas is currently reviewing its policy regarding credit for successful completion of the DANTES Subject Standardized Tests (DSST). Until that review is complete, any credit awarded will be on a case-by-case basis. For more information contact the University Registrar.

[8.3] Advanced Placement Program

The University of Central Arkansas is a participant in the Advanced Placement Program. A list of AP subject areas, courses, and exams; UCA minimum score bases for credit; and UCA credit awarded follows:

AP Subject Areas / Exams	Score	UCA Credit
Art / Art History	4	ART 2335 Art History
	5	ART 2335 Art History and 3 hours art history elective
Art / Studio Art: Drawing Portfolio	4	ART 1321 Drawing I
	5	ART 1321 Drawing I and 3 hours studio art elective
Art / 2-D Design Portfolio	4	ART 1310 Design I| 2-D
	5	ART 1310 Design I| 2-D and 3 hours general studio art elective
Art / 3-D Design Portfolio	4	ART 2312 Design II| 3-D
	5	ART 2312 Design II| 3-D and 3 hours general studio art elective
Biology / Biology	4	BIOL 1440 Principles of Biology I

AP Subject Areas / Exams	Score	UCA Credit
	5	BIOL 1440 Principles of Biology I and BIOL 1441 Principles of Biology II
Calculus / AB	3	MATH 1496 Calculus I
Calculus / BC	3	MATH 1496 Calculus I and MATH 1497 Calculus II
Chemistry	4	CHEM 1450 College Chemistry I
	5	CHEM 1450 College Chemistry I and CHEM 1451 College Chemistry II
Computer Science / A	3	CSCI 1470 Computer Science I
Computer Science Principles	3	CSCI 1340 Introduction to Programming I
Economics / Macroeconomics	3	ECON 2320 Principles of Macroeconomics
Economics / Microeconomics	3	ECON 2321 Principles of Microeconomics
English / Language and Composition	3	WRTG 1310 Introduction to College Writing
	4	WRTG 1310 Introduction to College Writing and WRTG 1320 Academic Writing
English / Literature and Composition	3	WRTG 1310 Introduction to College Writing
	4	WRTG 1310 Introduction to College Writing and WRTG 1320 Academic Writing
English / International English Language (APIEL)	3	TOEFL score of 500 (see "admission of students whose first language is not English")
Environmental Science / Environmental Science	4	3 hours general lower-division elective credit
French / Language	3	FREN 2310 Intermediate French I
	4	FREN 2320 Intermediate French II
	5	FREN 3300 Advanced Grammar and Composition I
German / Language	3	GERM 2310 Intermediate German I
	4	GERM 2320 Intermediate German II
	5	GERM 3300 Advanced Grammar and Composition I
Geography / Human Geography	4	GEOG 1320 Introduction to Human Geography
Government and Politics / Comparative	4	PSCI 1330 US Government and Politics

AP Subject Areas / Exams	Score	UCA Credit
Government and Politics / United States	4	PSCI 1330 US Government and Politics
History / European	4	HIST 1320 World History II
History / United States	4	HIST 2302 American Nation II
History / United States	5	HIST 2301 & HIST 2302 American Nation I & II
History / World	4	HIST 1320 World History II
History / World	5	HIST 1310 & HIST 1320 World History I & II
Music / Music Theory	4	MUS 1230 Harmony I
	5	MUS 1230 Harmony I, MUS 1232 Harmony II, and MUS 1231 Ear Training I
Physics 1	4	PHYS 1410 College Physics 1
Physics 2	4	PHYS 1420 College Physics 2
Physics / C: Mechanics	4	PHYS 1441 University Physics 1
Physics / C: Electricity and Magnetism	4	PHYS 1442 University Physics 2
Psychology / Psychology	3	PSYC 1300 General Psychology
Spanish / Language	3	SPAN 2310 Intermediate Spanish II
	4	SPAN 2320 Intermediate Spanish III
	5	SPAN 3300 Advanced Grammar and Composition
Spanish / Literature	3	SPAN 2320 Intermediate Spanish III
	4	SPAN 3300 Advanced Grammar and Composition
	5	SPAN 3320 Spanish Literature or 3321 Spanish American Literature
Statistics / Statistics	3	MATH 2311 Statistical Methods I

In any discipline (except history) in which Advanced Placement credit is earned, no CLEP credit will be allowed for any course lower than that course for which Advanced Placement credit has been awarded. A transcript of scores must be sent to the Office of the Registrar.

[8.4] International Baccalaureate Program

The University of Central Arkansas recognizes achievement in the International Baccalaureate (IB) Program by awarding credit towards relevant UCA courses. Credit is awarded for the following

courses based on achieving the listed minimum exam score in the IB subject area at either the standard level (SL) or the higher level (HL) as designated.

IB Subject/Level	Score	UCA Credit
Biology/HL	5	BIOL 1440 Principles of Biology I
	7	BIOL 1440 Principles of Biology I and BIOL 1441 Principles of Biology II
Chemistry/HL	5	CHEM 1450 College Chemistry I
	7	CHEM 1450 College Chemistry I and CHEM 1451 College Chemistry II
Economics/HL	5	ECON 2310 Global Environment of Business
Classical Languages: Latin/HL	5	LAT 1320 Elementary Latin II
	6	LAT 2310 Intermediate Latin I
History Route 1: Europe and the Islamic World/HL	5	History elective
History Route 2: 20th Century World History/HL	5	History elective
Language A: Literature/HL	5	ENGL 1350 Introduction to Literature
Language A: Language and Literature/HL	5	WRTG 1310 Introduction to College Writing
Language B: Chinese/HL	5	CHIN 1420 Elementary Chinese II
	6	CHIN 2310 Intermediate Chinese I
	7	CHIN 2320 Intermediate Chinese II
Language B: French/HL	5	FREN 1320 Elementary French II
	6	FREN 2310 Intermediate French I
	7	FREN 2320 Intermediate French II
Language B: German/HL	5	GERM 1320 Elementary German II
	6	GERM 2310 Intermediate German I
	7	GERM 2320 Intermediate German II
Language B: Japanese/HL	5	JAPN 1320 Elementary Japanese II
	6	JAPN 2310 Intermediate Japanese I
Language B: Spanish/HL	5	SPAN 1320 Elementary Spanish II

IB Subject/Level	Score	UCA Credit
	6	SPAN 2310 Intermediate Spanish II
	7	SPAN 2320 Intermediate Spanish III
Mathematical Studies/SL or HL	5	MATH 1496 Calculus I
Music/SL or HL	4	MUS 2300 Music Appreciation
Physics/HL	5	PHYS 1410 College Physics 1
	7	PHYS 1410 College Physics 1 and PHYS 1420 College Physics 2
Psychology/HL	5	PSYC 1300 General Psychology

Credit for UCA courses may be awarded for other IB courses on a case-by-case basis with a minimum exam score of 5.

[8.5] Credit by Examination in Foreign Languages

A student who has studied a foreign language in high school may receive university credit under certain conditions. See the Department of World Languages, Literatures, and Cultures section of this bulletin.

[8.6] Course Exemptions and Challenge Examinations

University departments may specify appropriate placement, exemption, or challenge examinations for UCA Core 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.

Academic Records

URL: http://uca.edu/ubulletin/general-policies-information/academic-records/

[1] Grades and Quality Points

At the end of each semester or summer term, instructors report the final grades of all students in their classes to the Office of the Registrar. The grade of a student in any course is determined by the quality of work, the regularity of attendance, and the thoroughness of preparation.

Grades are expressed as letters, with equivalents as follows:

Letter	Description	GV*
A	Excellent	4
B	Good	3
C	Average	2
D	Passing	1

Letter	Description	GV*
F	Failing	0
W	Withdrawn	N/A**
X	Deferred Credit	N/A**
PR	Progress - Credit	N/A**
CR	Credit	N/A**
NC	No Credit	N/A**
AU	Audit	N/A**

***GV** = Grade Value (also referred to as "Grade Points" or "Quality Points" [see below])
****N/A**: Hours attempted where W, X, PR, CR, NC, or AU are involved are not used in computing the grade point average.

Note: Beginning with the fall 2017 term, the grades of WP and WF are no longer used. Consult an earlier issue of the Undergraduate Bulletin for their use and meaning.

Transitional Studies (UNIV 0331, 0332, 0333, 1100, 1300, 1301, 1330, 1340, and 1500) and Intensive English Program (IEP) courses are not used in computing the cumulative grade point average for earning any degree from the university.

All grades, once reported, remain a matter of permanent record. Any appeal or question concerning an assigned grade must be made within one calendar year of the time the grade was awarded, as outlined in the *Student Handbook*.

To obtain the qualitative index of a student's scholarship, the total number of quality points accumulated is divided by the total number of semester GPA hours to give the ratio known as the grade point average (GPA).

EXAMPLE: A student enrolls in five courses (sixteen credit hours) as follows:

Courses	CH*	Grade	CH × GV	QP**
WRTG 1310	3	A	(3 × 4)	12
HIST 2301	3	B	(3 × 3)	9
MATH 1496	4	B	(4 × 3)	12
H ED 1320	3	B	(3 × 3)	9
JOUR 2300	3	A	(3 × 4)	12
Total	16			54
QP ÷ CH = semester GPA; in this case, 54 ÷ 16 = 3.375				

* CH = Credit Hours
** QP = Quality Points

[2] Grade Forgiveness

A student may repeat in residence a maximum of four courses in which a D, F, or WF grade is earned. Both grades will remain on the permanent record, but only the second grade will be used to calculate the grade point average. This option may be used only once for each course in which a D, F, or WF was received. A student must accept, for purposes of grade forgiveness, the first four courses repeated. No course may be repeated for the purpose of grade forgiveness after a course for which it is a prerequisite has been passed. The grade forgiveness provision is applicable only to students who do not possess a baccalaureate degree.

[3] Grade Averaging

A student has the privilege of repeating a course in residence at UCA in an attempt to improve a grade previously made. All other grades earned previously in the course are used in computing the grade point average, while the grade earned the last time the course is taken is the grade that will be considered as the final grade. No course may be repeated for a grade after a course for which it is a prerequisite has been passed.

[4] Deferred Credit (Incomplete Grade)

The grade of X is given only if satisfactory completion of the remaining course requirements can result in a passing grade for that semester's work. An X grade is not computed in the grade point average. One calendar year is the maximum time allowed for removal of an X grade except in individual study courses and theses. If one year passes and the X has not been removed, the grade will be changed automatically to an F. An individual instructor may specify a shorter period for removal of an X. The instructor is required to state in writing the requirements for removing the grade of X at the time it is assigned. Failure of the student to meet these requirements may result in the X becoming an F. A student may not re-enroll in a course for which an X is in effect.

[5] Adjustments and Appeals Committee

When warranted by special circumstances, a student is entitled to petition the University Academic Adjustments and Appeals Committee for relief of an unfair hardship brought about by academic regulations. The petition form, online in the Registrar's web site, should be completed with the assistance of the student's advisor. The form may be submitted online.

[6] Transcripts

A university transcript is a complete and unabridged academic record, without deletions or omissions, prepared for the purpose of communicating information concerning a student. The university prepares and issues two categories of transcripts:

Official – includes a statement of the student's status, the signature of an authorized official, and the legal seal of the university. An official transcript is sent directly from the university to an institution, agency, or individual upon receipt of a written request of the student.

Unofficial – presents a listing of courses for which the student enrolled. The academic achievement of the student is indicated in terms of a grade for each course. An unofficial transcript is made

available through the student's myUCA self-service account. It does not include an authorized signature or the official seal of the university. An unofficial transcript is not sent to other institutions, agencies, or individuals.

Transcripts may be released only after all financial obligations to the university are satisfied.

[7] Attendance

A student's official program is regarded as his or her obligation to the institution, full performance of which requires regular and punctual class attendance and active participation. A student is responsible for coming to class prepared, completing any missed work if the student is absent, and knowing the dates and places of required course examinations. Attendance and tardiness are primarily a student-teacher-class relationship, but the university has a concern for the fulfillment of such obligations by the student. Absences that indicate negligence about class attendance may lead to cancellation of registration and a withdrawal grade (W) in the course. In flagrant cases, the student may be suspended from the university. Individual instructors may assign a withdrawal grade (W) for non-attendance to any student but must do so by the deadline date for a student to officially withdraw specified in the academic calendar for the semester. Make-up examinations and assignments are required only for valid absences as determined by the faculty member. Students who miss an examination or assignment without a valid excuse may receive a failing grade for that exam or assignment. Faculty and students should work together to mitigate the impact of absences of those students who miss class while officially representing the university.

See also Change of Registration/Withdrawal from Courses or the University in this bulletin.

[8] Academic Standing: Good Standing, Alert, Probation, Suspension

Note: All standards with respect to good standing, alert, probation, and suspension, are binding and are not, therefore, subject to appeal. These standards apply to all degree-seeking undergraduate students. The same standards apply to non-degree or undeclared students.

Only courses that count for undergraduate degree credit will be used to compute the grade point average for consideration of good standing, alert, probation, and/or suspension. "Term grade point average" refers to the grade point average for an entire fall, spring, or summer term.

A student enrolled in Transitional Studies (UNIV) and Intensive English Program (IEP) courses will also be subject to the retention policies of the University College and/or Intensive English Program.

[8.1] Good Academic Standing

A student who is not on probation or suspension is considered to be in good academic standing. Evaluation of academic standing for all sessions of a term will occur at the end of each term (fall, spring, and summer).

[8.2] Academic Alert

A student is given an academic alert whenever their term grade point average is less than a 2.0. A student who has been given an academic alert, but who is not on academic probation or suspension, is still considered to be in good academic standing.

[8.3] Academic Probation

A student is placed on academic probation whenever their cumulative grade point average is less than 2.0. A student will be removed from academic probation whenever their cumulative grade point average is at least a 2.0.

[8.4] Academic Suspension

A student on academic probation will be academically suspended if the student meets the following criteria:

1. a term grade point average less than 2.0 (excluding summer) immediately following academic probation **and**
2. a cumulative grade point average less than the minimum listed below. (The calculation of grade point average hours will include grades A, B, C, D, F, and WF.)

GPA Hours	Minimum Cumulative GPA
1–30	1.70
31–59	1.85
60 or more	2.00

A student on suspension from UCA may apply for readmission under the Schedule of Readmission following academic suspension. A student suspended from UCA who earns academic credit from another accredited college or university, as defined by the Undergraduate Bulletin in Admission to the University Section [7] Transfer of Credit, during the period of suspension may, if the course is transferable, receive credit for the course at UCA when readmitted. A course is transferable if it is identified as transferable to UCA in the Arkansas Course Transfer System (ACTS) and meets a requirement for a degree at UCA. Courses not part of ACTS may be evaluated by the appropriate academic department chairperson for transferability.

First academic suspension will be for two consecutive terms (including summer).

Note: A student on first academic suspension may, if eligible and accepted, continue at UCA through the UCAN (Unlocking College Academics Now) Program with the status "continued on academic probation." A student who successfully completes the UCAN Program may enroll for the subsequent term, but will remain on probation if his/her cumulative grade point average is less than 2.0. A student who does not successfully complete the UCAN Program in any term (including summer) will be on first academic suspension for the subsequent two consecutive terms.

Second academic suspension will be for one calendar year.

Third academic suspension will be academic dismissal. Students academically dismissed from UCA cannot be readmitted unless they are granted academic clemency under the provisions listed in the Undergraduate Bulletin.

[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. Students in the process of academic clemency are conditionally admitted until successful completion of the process.

[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 must be made at the time of application for admission or readmission to the university. A 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.

[9.3] Terms and Conditions

- Under academic clemency an individual forfeits all grades and credits (including transfer) earned prior to the minimum period of non-enrollment, and such grades and credits will not be considered in any academic deliberations from that point forward at the university.
- Courses on which academic clemency is granted will be recorded on the permanent academic record but will not be used in the computation of the cumulative grade point average. The notation academic clemency granted (date) will be placed on the permanent academic record to identify those courses excluded from computation in the cumulative grade point average.
- In regard to financial aid history, state and federal regulations take precedence over the institutional policy of academic clemency.
- In regard to athletic eligibility, all semesters/terms of attendance, including any of granted academic clemency, will be considered in the determination of athletic eligibility certification.
- A declaration and granting of academic clemency may be exercised only once in an individual’s academic career, and such declaration and granting is final and irreversible.
- Policies related to academic clemency pertain to the University of Central Arkansas only and might not be honored by other institutions for admission to undergraduate programs, admission to graduate programs, or admission to professional programs.

Recognition of Academic Achievement

URL: http://uca.edu/ubulletin/general-policies-information/recognition-of-academic-achievement/

[1] Awards and Honors

Dean's List and Presidential Scholar honors are based on grades earned during each semester of the regular academic year (fall, spring).

Presidential Scholars. To qualify for Presidential Scholar honors in a given semester, a student must earn a 4.00 grade point average on a minimum of twelve hours of undergraduate degree credit with no incomplete (X) grades.

Dean's List. To qualify for the Dean's List in a given semester, a student must earn a 3.50 or higher grade point average on a minimum of twelve hours of undergraduate degree credit with no incomplete (X) grades.

Outstanding Students. Each year an outstanding student will be selected by each college. Each college sets its own criteria and procedures for this selection. In general, these students are expected to be above average scholastically and to have demonstrated exceptional leadership ability and rendered active service to the university through their activities. The university's outstanding students are recognized at the appropriate commencement service. This recognition requires a minimum of 60 hours in residence.

Honors Graduates. A student earning a bachelor's degree may be recognized as an honor graduate in one of the following categories of praise – *summa cum laude*, *magna cum laude*, or *cum laude*. This recognition requires a minimum of 60 hours in residence. Below are the grade point averages (GPAs) used to determine graduation with "Latin honors."

Effective Fall 2017	
Category	**Overall GPA**
summa cum laude	4.000–3.900
magna cum laude	3.899–3.800
cum laude	3.799–3.700

Effective Spring 2018	
Category	**Overall GPA**
summa cum laude	4.000–3.900
magna cum laude	3.700–3.899
cum laude	3.500–3.699

[2] UCA Honors Programs

The University of Central Arkansas recognizes its responsibility to provide special opportunities for highly able and motivated students and provides two separate honors programs – the Honors in the Majors Program and the Norbert O. Schedler Honors College.

[2.1] Honors in the Majors Program

Upon completion of 72 hours (with twelve hours in the major), a student may be invited by the faculty of a department to enter its Honors in the Majors program. To be eligible for the invitation, a student must have at least a 3.00 grade point average overall and in the major. A student must complete any appropriate departmental course (or equivalent activity), and submit written evidence of the research paper, project, performance, or presentation no later than the last day of instruction for the semester in which the student will graduate. Individual departments may establish additional or more rigorous requirements at their discretion. See the department's description in this bulletin and consult the department chair. Before the end of the third full week of the semester in which the student intends to graduate, the student must submit a completed Honors in the Majors form to the Registrar. Download the form here: form link.

The following departments/programs, listed alphabetically by college, offer Honors in the Majors programs. Links are to further information on the department's page in this bulletin.

College of Business

Accounting **[INFO LINK→]**
Economics, Finance, and Insurance and Risk Management **[INFO LINK→]**
Marketing, Management, and Innovation and Entrepreneurship **[INFO LINK→]**
Management Information Systems **[INFO LINK→]**

College of Education

Elementary, Literacy, and Special Education **[INFO LINK→]**
Teaching and Learning **[INFO LINK→]**

College of Fine Arts and Communication

Art **[INFO LINK→]**
Film, Theatre **[INFO LINK→]**
Journalism **[INFO LINK→]**
Music **[INFO LINK→]**

College of Health and Behavioral Sciences

Communication Sciences and Disorders **[INFO LINK→]**
Family and Consumer Sciences **[INFO LINK→]**
Nursing **[INFO LINK→]**
Psychology and Counseling **[INFO LINK→]**
Physical Therapy (Health Sciences with Physical Therapy Emphasis) **[INFO LINK→]**

College of Liberal Arts

English [INFO LINK→]
History [INFO LINK→]
Languages, Linguistics, Literatures, and Cultures [INFO LINK→] (Modern Languages, Linguistics)
Philosophy and Religion [INFO LINK→] (Philosophy) and [INFO LINK→] (Religious Studies)
Political Science, Public Administration, International Studies [INFO LINK→]
Sociology, Criminology, Anthropology [INFO LINK→]

College of Natural Science and Mathematics

Biology [INFO LINK→]
Chemistry [INFO LINK→]
Computer Science [INFO LINK→]
Geography [INFO LINK→]
Mathematics [INFO LINK→]
Physics and Astronomy [INFO LINK→]

[2.2] Norbert O. Schedler Honors College

In addition to Honors in the Majors Programs, the university has an Honors College for highly able and motivated students. A student admitted into the Honors College fulfills certain UCA Core requirements during the freshman and sophomore years in specially designed classes that are interdisciplinary, limited in enrollment, and characterized by experiential pedagogies. Following the sophomore year, students may enter into a minor in interdisciplinary studies in the Schedler Honors College.

The minor curriculum consists of fifteen hours of Honors Interdisciplinary Studies coursework. At the center of the curriculum is undergraduate scholarship. In the Oxford Tutorial a student works one-on-one with a faculty mentor, and in the Honors College Thesis Project the student produces a capstone project presents it publicly. The student will designate by the end of Oxford Tutorial one of two options for the Honors College Thesis Project: (1) it may be an interdisciplinary thesis housed in the Honors College; (2) it may be an Honors in the Majors thesis project that satisfies the Honors College Thesis requirement. Students pursuing the latter option will proceed through the department's specified thesis process for that major, including enrolling in any required, honors-related coursework in the major department. In order to be awarded the Minor in Honors Interdisciplinary Studies, Honors College students must also complete the Senior Honors Thesis Project course.

In addition to special instruction, there is an Honors Center which provides a special place for students to meet and share ideas, and a specially designated residence hall, Farris Honors Hall. The atmosphere and co-curricular programming in the Honors Center and Farris Honors Hall reinforce the learning and relationships developed through the Schedler Honors College. Application to Farris Honors Hall is through the Housing and Residence Life 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 Farris Honors Hall based on space availability. See the Schedler Honors College section in this bulletin for more information.

[3] Recognition of Honors Graduates

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

[4] Scholastic Societies

Students with intellectual and professional interests have founded scholastic societies, both general and specialized in purpose. The following are representative national organizations:

Alpha Chi (Scholarship)
Alpha Kappa Delta (Sociology)
Alpha Psi Omega (Theatre)
Beta Alpha Psi (Accounting)
Beta Gamma Sigma (Business)
Gamma Beta Phi (Scholarship/Service)
Gamma Theta Upsilon (Geography)
Eta Sigma Gamma (Health Education)
Kappa Delta Pi (Education)
Lambda Pi Eta (Communication)
Pi Kappa Delta (Forensics)
Pi Sigma Alpha (Political Science)
Sigma Pi Sigma (Physics)
Sigma Theta Tau (Nursing)
Sigma Tau Delta (English)
Tau Kappa Alpha (Journalism)
Phi Alpha Theta (History)
Phi Delta Kappa (Education)
Phi Sigma Tau (Philosophy)
Phi Upsilon Omicron (Family and Consumer Sciences)
Psi Chi (Psychology)

UCA Core

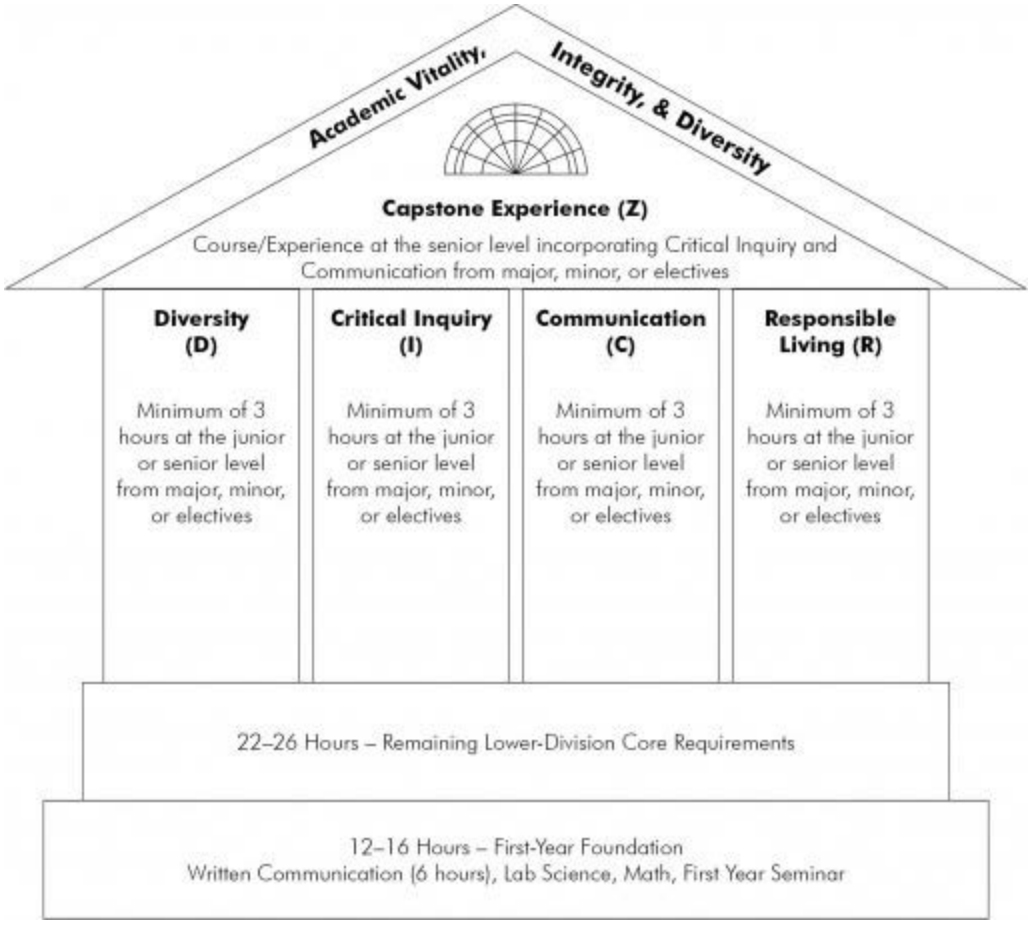
URL: http://uca.edu/ubulletin/general-policies-information/uca-core/

Director: Dr. Jacob Held / 450-3634

The UCA Core, described here, becomes effective for incoming undergraduate students in Fall 2013. For the UCA General Education Program, in effect through the 2012-2013 academic year, see the relevant page in UBulletin 2012. Students who entered under the requirements of the General Education Program may opt for the UCA Core and should speak about this option with their academic advisor.

[1] Mission, Values, Goals, and Outcomes

[1.1] Structure, Mission, and Values



UCA Core

University Mission: The University of Central Arkansas dedicates itself to academic vitality, integrity, and diversity. Read more…

Mission of the UCA Core: The UCA Core is designed to help students develop the knowledge and skills necessary for critical inquiry, effective communication, and responsible living in a diverse and changing world.

Values of the UCA Core: The overarching goal of the program is to develop curious, knowledgeable, articulate, and ethical people who are prepared for greater success in future learning and who are willing and able to make effective contributions to their communities.

[1.2] Goals and Outcomes

Students completing the UCA Core program will demonstrate these goals and outcomes.

[1.2.1] Diversity (D)

Diversity: the ability to analyze familiar cultural assumptions in the context of the world's diverse values, traditions, and belief system as well as to analyze the major ideas, techniques, and processes that inform creative works within different cultural and historical contexts.

Goal A: Analyze one's own cultural values and assumptions.

This rubric assesses the following three specific skill or knowledge areas related to Goal A:

- **Cultural Self-awareness**: Knowledge of how experiences have shaped one's own cultural rules, and how to recognize and respond to cultural biases, resulting in a shift in self-description.

- **Empathy**: The ability to imagine one's self as another, with another's interests and emotions, and within another's cultural rules, biases, and perspectives.

- **Openness**: Desire to interact with culturally different others. Interactions with culturally different others should be interpreted broadly, and can include experiences with texts, creative works, or individuals.

Goal B: Analyze or compare diverse values, traditions, belief systems, and/or perspectives.

This rubric assesses the following three specific skill or knowledge areas related to Goal B:

- **Cultural Worldview Frameworks**: The history, values, politics, communication styles, economics, or beliefs and practices by which people construe their experiences and make sense of the world around them.

- **Curiosity**: Willingness to understand and engage with other worldview frameworks.

- **Application**: Ability to engage and learn from different perspectives and experiences; to understand how one's place in the world both informs and limits one's knowledge.

Goal C: Analyze creative works within diverse contexts.

This rubric assesses the following three specific skill or knowledge areas related to Goal C:

- **Theory/Criticism/Technique**: The set of concepts/principles used to create or evaluate creative works.

- **Themes and Ideas**: The concepts expressed in the creative work that are representative of diverse cultures/perspectives.

- **Context**: The personal, social, cultural, and historical influences on the creative work.

- **Reflection**: The articulation of a personal response to the experience of a creative work.

[1.2.2] Critical Inquiry (I)

Critical Inquiry: the ability to analyze new problems and situations to formulate informed opinions and conclusions.

Goal A: Demonstrate a knowledge base to ask more informed questions and learn more complex concepts.

This rubric assesses the following three specific skill or knowledge areas related to Goal A:

- **Knowledge**: An understanding of the concepts and/or principles in the discipline and how they relate to important questions.

- **Information**: Selecting appropriate and credible information based on knowledge of topic and discipline.

- **Analysis**: Evaluating a position and/or drawing conclusions on significant questions in the discipline.

Goal B: Apply scientific process to solve problems/answer questions.

This rubric assesses the following four specific skill or knowledge areas related to Goal B:

- **Define Problem/Question**: A statement or summary that identifies a problem or raises a question that is relevant to the topic or assignment, appropriate to the discipline, and open to empirical inquiry (i.e., objective observation).

- **Propose Hypotheses**: Formulating testable propositions that follow from one particular solution/answer to the problem/question.

- **Identify Methodology**: Selecting the appropriate set of procedures to test the hypotheses.

- **Evaluate Results**: An objective assessment of the hypotheses based on the empirical evidence gathered from the methodology.

Goal C: Apply quantitative and computational processes to solve problems.

This rubric assesses the following three specific skill or knowledge areas related to Goal C:

- **Information**: Identifying and extracting relevant information needed to solve the problem.

- **Methods**: Selecting the appropriate methods to solve the problem.

- **Communication**: Effectively communicating quantitative concepts or evidence consistent with the purpose of the assignment.

[1.2.3] Effective Communication (C)

Effective Communication: the ability to develop and present ideas logically and effectively in order to enhance communication and collaboration with diverse individuals and groups.

Goal A: Students will use appropriate conventions and strategies in oral communication for various audiences and purposes.

This rubric assesses the following five specific skill or knowledge areas related to Goal A:

- **Central Message**: The topic, thesis, or main point of the communication that is consistent with the purpose of the assignment.

- **Organization**: The grouping of material in the communication, including a specific introduction, conclusion, sequenced material within the body, and transitions.

- **Supporting Material/Evidence**: Explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities, or other kinds of information or analysis that support the central message.

- **Context and Audience**: The people and situations surrounding the communication, including the cognitive, social, and cultural factors that influence the audience and communicator.

- **Verbal and Nonverbal Delivery**: Posture, gesture, eye contact, vocal expressiveness (loudness, tone, emphasis), and vocal fillers (“um,” “uh,” “like,” “you know,” etc.).

Goal B: Students will use appropriate conventions and strategies in written communication for various audiences and purposes.

This rubric assesses the following five specific skill or knowledge areas related to Goal B:

- **Central Message**: The topic, thesis, or main point of the communication that is consistent with the purpose of the assignment.

- **Organization**: The grouping of material in the communication, including a specific introduction, conclusion, sequenced material within the body, and transitions.

- **Supporting Material/Evidence**: Explanations, examples, illustrations, statistics, analogies, quotations from relevant authorities, or other kinds of information or analysis that support the central message.

- **Context and Audience**: The people and situations surrounding the communication, including the cognitive, social, and cultural factors that influence the audience and communicator.

- **Control of Syntax and Mechanics**: The use of language to communicate meaning, including word choice, sentence and paragraph structure, grammar, punctuation, and spelling.

Goal C: Students will apply appropriate verbal and nonverbal strategies to promote collaboration.

This rubric assesses the following two specific skill or knowledge areas related to Goal C:

- **Individual Contributions**: The contributions of a single student that advances a group project, including the timely completion of assigned tasks, thorough and comprehensive work, articulating the merits of alternative ideas or proposals, building constructively upon the contributions of others, and being punctual, focused, and prepared.

- **Fosters Constructive Team Climate**: Student behaviors that promote collaboration among group members, including being respectful and positive, motivating and assisting teammates, and engaging with teammates in ways that facilitate their contributions.

[1.2.4] Responsible Living (R)

Responsible Living: the ability to address real-world problems and find ethical solutions for individuals and society.

Goal A: Apply ethical principles to solve problems.

This rubric assesses the following three specific skill or knowledge areas related to Goal A:

- **Ethical Awareness**: Awareness of the core beliefs that consciously or unconsciously influence one's own and others' ethical conduct and reasoning. Core beliefs can reflect one's environment, religion, culture, or training. A person may or may not choose to act on their core beliefs.

- **Ethical Issue Recognition**: Recognition of various ethical issues and their interconnections in complex contexts (i.e., the obvious and subtle connections between/among the sub-parts or situational conditions of a scenario that bring two or more ethical dilemmas/issues into the problem; e.g., relationship of production of corn as part of the climate change issue).

- **Ethical Application**: The application of different ethical theories (e.g., utilitarian, natural law, virtue) or ethical concepts (rights, justice, duty) to analyze the ethical issues of a problem.

Goal B: Make appropriate recommendations based on discipline specific knowledge to address an issue or scenario and evaluate the effect that decisions have on the well-being of self, others, society and/or environment(s).

This rubric assesses the following specific skill or knowledge areas related to Goal B:

- **Issue Recognition**: Recognition of various issues that affect well-being and their interconnections in complex contexts. The interconnections of issues in complex context refer to the obvious and subtle connections between/among the sub-parts or situational

conditions of a scenario that bring two or more dilemmas/issues into the problem (e.g., relationship of health screenings to increased health care costs).

- **Analysis of Knowledge**: the ability to extend discipline based knowledge to decision making and/or develop a recommended course of action based on discipline specific knowledge.

- **Impact of Decisions**: The consequences—good or bad—of decisions on the well-being of self, others, society and/or environment(s).

[1.2.5] First-Year Seminar (FYS)

Goal: Demonstrates an understanding of the mission, goals, and core values of the UCA Core, how the four core competencies relate to the mission and goals, and how the structure of the UCA Core contributes to the student's education.

This rubric assesses the following specific skill or knowledge areas related to the Goal:

- **Understanding of the UCA Core**: Knowledge of the meaning and interconnections of the components and requirements of the UCA Core as well as their contribution to the student's education as a whole.

[2] Lower-Division Core Requirements

Follow this link to the current lower-division UCA Core check sheet: check sheet link.

[3] Upper-Division Core Requirements

The UCA Core's upper-division requirements became effective Fall 2015. Students should consult their academic advisors for clarification about upper-division requirements that apply to them.

In order to satisfy upper-division core requirement, students must take upper-division courses that address outcomes in each of the four competency areas of the UCA Core: Diversity (D), Critical Inquiry (I), Effective Communication (C), and Responsible Living (R). In addition, all student must take a course designated as a Capstone Experience (Z). These courses may also count as major, minor, or elective requirements, and except for the Capstone course one course may satisfy up to two Core requirements.

Follow this link for a current list of upper-division UCA Core courses: UD UCA Core Lists. For information about upper-division UCA Core courses specific to your major, please consult this *Undergraduate Bulletin*, your program's Academic Map, and your advisor.

Degree Requirements

URL: http://uca.edu/ubulletin/general-policies-information/degree-requirements/

[1] Associate Degree

The University of Central Arkansas offers the Associate of Arts (AA) degree in General Education.

The minimum requirement is 60 semester hours of unduplicated credit and a minimum 2.0 cumulative grade point average.

[1.1] UCA Core Requirements and Electives for the Associate of Arts Degree

Lower-Division UCA Core (38 hours)
Completion of the lower-division UCA Core satisfies the Arkansas State Minimum Core general education requirement (35 hours) plus three elective hours.

Directed Electives (15-22 hours)
Electives not taken in fulfillment of the UCA Core, chosen from lower-division courses with the following course prefixes: ANTH, ART, BIOL, CHEM, COMM (formerly SPCH), CRWR (formerly WRTG), CSCI, ECON, ENGL, FREN, GEOG, GERM, HIST, MATH, MUS, PHIL, PHYS, PSCI, PSYC, SOC, SPAN, SPCH (now COMM), THEA, WRTG.

Institutional Requirements/Approved Electives (0-7)
Electives chosen in consultation with the student's academic advisor.

[1.2] Residency Requirements for the Associate of Arts Degree

The credit offered for an Associate's degree must include at least 15 hours earned in residence at UCA.

[2] Baccalaureate Degrees

The University of Central Arkansas offers eight baccalaureate degrees: Bachelor of Arts, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Professional Studies, 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 120 semester hours of unduplicated credit (at least 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

All degree-seeking students must declare a major and at least one minor field, subject to modifications noted for specific programs. After completing 27 credit hours, students must have declared a major prior to future semester course registration. A student's academic advisor may petition the Registrar to extend the deadline for declaring a major up to 60 credit hours. A course that is used to meet the requirements of a major may not also be used to meet minor requirements. 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 Academic Adjustments and Appeals Committee. Major and minor requirements are set forth in the departmental sections of this bulletin.

Prior to declaring a major, 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 equivalent of two full years' work (sixty semester hours) at the senior college level will be required for a baccalaureate degree, with one exception: students transferring to UCA under the terms of a negotiated associate-to-baccalaureate articulation-transfer agreement will fulfill this requirement by completing all requirements beyond the associate degree requirements at the senior college level. (See also "Admission to the University," §7, Transfer of Credit.)

The credit offered for graduation must include at least forty semester hours of upper-division level (3000- and 4000-level) 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 UCA Core requirement. No more than four hours of physical education activity courses may count toward graduation.

[2.1.5] Residence Requirements

"Residence credit" is academic credit earned from the University of Central Arkansas in any format (on-the-ground or online), excluding credit by examination. Credit earned during a University of Central Arkansas Study Abroad program delivered at another institution or location is residence credit.

To earn a bachelor's degree, a student must complete at least 30 semester credit hours of residence credit including at least 15 hours in the major field and, when applicable, nine in the minor field.

Of the last 32 semester credit 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.

[2.1.6] Earning a Second Degree

A second baccalaureate degree may be earned by a student, after the completion of all the requirements for a first degree and the satisfaction of the special requirements of the second degree. An associate degree may be earned by a student who has completed the requirements of a baccalaureate degree or another associate degree. Any second degree requires a minimum of 30 semester hours of residence credit following the awarding of the first degree.

[2.1.7] More than One Major, Major Concentration, or Minor

Up to three majors or major concentrations within the same degree may be recorded when all departmental, ancillary, and unique requirements are met for all specified majors or major concentrations. Unless specifically prohibited by the department in the Undergraduate Bulletin, work that meets the requirements of one major or major concentration is applicable to the same requirements of another major or major concentration. However, the number of additional credit hours required for each additional major or major concentration must exceed the number required for a minor in that same area. If the additional major or major concentration does not have a minor in the same area, the minimum number of additional credit hours required is 21.

The student completing more than one major or major concentration shall not be required to present a minor, but may do so if desired.

Up to three minors within the same degree may be recorded when all departmental, ancillary, and unique requirements are met for all specified minors. Unless specifically prohibited by the department, work that meets the requirements of one minor is applicable to the same requirements of another minor. However, the minimum number of additional credit hours required for each additional minor is 12.

To upgrade the student program to a more recent bulletin, all requirements of the new bulletin for all majors and/or minors must be satisfied.

The requirements of each major and/or minor may be completed simultaneously or sequentially.

A minor or another major or major concentration may not be awarded after the degree for the primary major has been awarded.

No more than three majors or three minors may be recorded.

[2.1.8] More than One Baccalaureate Degree Earned Simultaneously

Up to three baccalaureate degrees may be earned simultaneously when all departmental, ancillary, and unique requirements, including special degree requirements, are met for all specified degrees.

The student earning more than one degree simultaneously may use the UCA Core courses and applicable special degree requirements for all degrees.

Unless specifically prohibited by the department, work that meets the requirements of one degree is applicable to the same requirements of another degree. However, the number of additional credit hours required for the major of the other degree must exceed the number required for a minor in that same area. If the major of the other degree does not have a minor in the same area, the minimum number of additional credit hours required is 21.

The student earning more than one degree simultaneously shall not be required to present a minor, but may do so if desired.

No more than three degrees may be earned simultaneously. No more than three majors or three minors may be recorded across all degrees.

[2.1.9] Assessment

A student is expected to participate in all assessment activities required by the university.

[2.1.10] Commencement

The university holds commencement ceremonies at the end of the spring semester in May, at the end of the summer session in August, and at the end of the fall semester in December. Only students completing all degree requirements are eligible to apply for graduation.

Undergraduate students submit their application for graduation to the Office of the Registrar. All students pay a graduation application fee. The academic calendar lists the deadline dates by which the application for graduation must be made.

If attendance at the commencement ceremony is not possible, the degree will be awarded in absentia.

[2.2] Special Degree Requirements

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

[2.2.1] Bachelor of Arts

In addition to the other requirements for graduation, the Bachelor of Arts degree requires completion of three hours in a foreign language on the 2000-level or above. A student with no previous experience with a foreign language normally will enroll in 1310. Students with prior experience in a language are strongly encouraged to take the departmental placement test before enrolling in their first course. **Note**: CSD 2303 Basic Sign Language, CSD 4303 Intermediate Sign Language, and transferred Guided/Extended Study (i.e., correspondence) courses will not be accepted in fulfillment of the foreign language requirement.

Students who have not previously received undergraduate credit in a given foreign language at a college or university may receive credit by examination in that language. 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 Languages, Linguistics, 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 section of this bulletin.

[2.2.3] Bachelor of Fine Arts

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

[2.2.4] Bachelor of Music

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

[2.2.5] Bachelor of Professional Studies

Requirements for the Bachelor of Professional Studies are specified in the Department of Health Sciences section of this bulletin.

[2.2.6] Bachelor of Science

In addition to other requirements for graduation and the UCA Core requirements in mathematics and science, the Bachelor of Science degree requires completion of one year of mathematics or two courses in a laboratory science (e.g., 2 courses in biology, 2 courses in chemistry, etc.).

Exclusions:

1. The following Mathematics courses cannot be used to fulfill the additional year of mathematics: UNIV 1340, MATH 3351, MATH 3352, MATH 3354, MATH 3364, MATH 3370, MATH 4310, MATH 4312, MATH 4314, and MATH 4335.
2. UCA Core science courses, listed here, cannot be used to satisfy the additional year of science: BIOL 1400, BIOL 1401, BIOL 1402, CHEM 1400, GEOG 1400, PHYS 1400, PHYS 1401.

[2.2.7] Bachelor of Science in Nursing

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

[2.2.8] 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 of this bulletin.

Graduate Study at UCA

URL: http://uca.edu/ubulletin/general-policies-information/graduate-programs-and-degrees/

Graduate Dean: Dr. Angela Barlow, 450-3124

[1] Programs and Degrees

For more information about graduate programs or graduate assistantships, contact the Graduate School at (501) 450-3124. Online, see the Graduate Bulletin and the Graduate School.

For a list of both undergraduate and graduate programs, see Academic Program and Organization in this bulletin.

[2] Concurrent Undergraduate/Graduate Enrollment

If a UCA senior is in the last term of enrollment before receiving a baccalaureate degree and is otherwise fully qualified to enter graduate study, that student may be admitted to concurrent status. Application for Concurrent Status must be filed with the Graduate School at least six weeks prior to registration. The student's entire program is subject to the regulations and requirements for graduate study. Graduate credit will be received only if the student completes the requirements of the bachelor's degree during the term in which the graduate courses are taken. Not all graduate programs allow concurrent enrollment.

Concurrently enrolled students are not admitted to Graduate School, nor are they guaranteed admission to a graduate program. Students who fail to graduate at the end of the semester will not be allowed to enroll in further graduate level courses.

Fees and Financial Aid

URL: http://uca.edu/ubulletin/general-policies-information/fees-and-financial-aid/

[1] General Information

The university is supported chiefly by state appropriations and student fees. The goal of the university is to offer the best possible educational opportunities and services at the lowest possible costs. 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

General registration and other mandatory fees are based on the number of hours in which a student is enrolled. Current fee schedules, payment due dates, payment options, and other valuable information can be obtained in the Student Accounts Office, Bernard Hall, Suite 110, or from the Student Accounts web site.

[3] Financial Adjustments for Schedule Changes and Withdrawals

Rules governing financial adjustments for schedule changes and withdrawals can be obtained in the Student Accounts office, Bernard Hall, Suite 110, or from the Student Accounts web site.

It is the responsibility of a registered student to officially withdraw if the student plans not to attend or leaves the university during a term. Undergraduate students begin the official withdraw at the Academic Advising Center; however, arrangements must be made with several other offices to avoid financial penalties. Other offices include, but are not limited to, the Registrar's Office, the Library, Housing, Financial Aid, and Student Accounts.

[4] Financial Aid

Financial aid, simply defined, is money that helps students pay for their educational costs. Aid may be in the form of loans, grants, scholarships, employment opportunities, or a combination of all of these.

The Student Financial Aid Office is responsible for awarding Title IV Aid (federal grants, loans and work study) as well as institutional academic scholarships. In addition, the office is responsible for coordinating all financial aid for which a student is eligible to ensure compliance with institutional, state and federal guidelines. The office is a good resource for questions regarding all type of financial aid including institutional, state, federal and private funds.

Most federal programs require the student to complete the Free Application for Federal Student Aid (FAFSA). The FAFSA gathers information that is used to determine the relative financial strength of the student's family or the need for assistance. Please note that eligibility criteria for each of the programs varies. Students may be able to establish need for all programs, whereas others may be able to establish eligibility for one program but not all programs. The following is a general summary of the programs available at UCA and is intended to give you an overview of these programs.

Detailed information may be obtained from the Student Financial Aid Office located in Harrin Hall, Suite 200. Office of Student Financial Aid personnel are available to answer questions.

[4.1] Grants

[4.1.1] Federal Pell Grants

This is the basic grant available to undergraduate students who have demonstrated an exceptional financial need on the FAFSA and have not earned a bachelor's or professional degree. Funding comes from the federal government.

[4.1.2] Federal Supplemental Educational Opportunity Grant (SEOG)

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

[4.2] Loans

[4.2.1] Federal Direct Subsidized and Unsubsidized Loans

The Federal Direct Subsidized and Unsubsidized Loan programs provide low interest loans to students who are attending UCA at least half-time. The U.S. Department of Education acts as the lender for the loans with multiple agencies selected by the federal government acting as the Servicer.

[4.2.2] Federal PLUS Loan (Parent Loans to Undergraduate Students)

Federal 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.

[4.3] 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.

[4.4] Scholarships

For information about scholarships available to students at UCA, see the Office of Financial Aid's Scholarship page.

[4.5] Veterans Benefits

UCA services various benefits for veterans and dependents. The Montgomery G.I. Bill, Post 9/11 and Chapter 35 (Children of Disabled Veterans) are some of the programs that aid those who qualify. Since much of this is technical information, it is suggested that an individual applying for aid from Veterans Administration programs contact the Regional Office of the United States Department of Veterans Affairs. The Veterans Services Office, a part of the Office of the Registrar, provides enrollment certification information, application forms, and other support services.

Student Services

URL: http://uca.edu/ubulletin/general-policies-information/student-services/

The Vision of the Division of Student Services is to foster holistic student growth by offering exemplary service and support resulting in responsible citizens of a global community. The Mission of the Division is to challenge, support, and encourage our students by providing innovative services, programs, facilities, and resources in order to maximize the collegiate experience.

The Division of Student Services carries out its vision and mission through the following university departments:

- Campus Recreation – http://uca.edu/campusrecreation/
- Career Services – http://uca.edu/career/
- Center for Leadership Development – http://uca.edu/lead/
- Counseling Services – http://uca.edu/counseling/
- Dean of Students/Student Conduct – http://uca.edu/student/dean/
- Disability Resource Center – http://uca.edu/disability/
- KUCA Radio Station
- Diversity and Community – http://uca.edu/diversitycommunity/
- Orientation – http://uca.edu/orientation/
- Student Activities – http://www.ucasab.com/
- Student Center – http://uca.edu/studentcenter/
- Student Health – http://uca.edu/studenthealth/
- Student Life – http://uca.edu/studentlife/
- Student Services Division Strategy – http://uca.edu/ssds/
- Student Wellness and Development – http://uca.edu/wellness/

- University Training – http://uca.edu/training/educational-seminars/
- … and by working with the Student Government Association

Standards of Student Conduct

URL: http://uca.edu/ubulletin/general-policies-information/standards-of-student-conduct/

[1] Introduction

Students of the University of Central Arkansas are expected to obey the laws of the land, the state of Arkansas, the regulations of the university, and conform to the accepted customs of civilized society in their conduct.

[2] Purpose/Goals

The UCA student judicial or conduct system has three primary purposes or goals: to change or redirect student behavior, protect the university environment, and protect the rights of students involved in the disciplinary process.

More specifically, the university endeavors to change student behavior that is considered unacceptable in the university community. To meet this goal, the university makes extensive use of student judicial boards and educational sanctions so that students are judged and provided feedback by their peers and provided with alternatives to inappropriate behavior.

The university strives to protect the university environment against acts of violence, destruction, and vandalism and to provide a quality living and learning environment, one that is safe, secure, and conducive to academic pursuits. Therefore, it may be necessary on occasion to remove students from the university community when the behavior is severe.

Finally, the university seeks to protect the rights of students involved in the disciplinary process by providing specific due process procedures, including appeals, to ensure fair and just hearings.

[3] Delineation of Responsibilities

The authority to establish and enforce regulations of the university is vested in the Board of Trustees. The responsibility to initiate, implement, and supervise the disciplinary process for students is delegated to the President who in turn has designated the Vice President for Student Services as the person to conduct the non-academic disciplinary proceedings of the university. The Vice President for Student Services and the student services staff shall be responsible to the President of the university for disposal of all cases.

[4] Interpretation of Standards of Student Conduct

The University's Standards of Student Conduct are set forth in writing in order to give students general notice of non-academic prohibited conduct. The standards should be read broadly and are not designed to define non-academic misconduct in exhaustive terms.

[5] Inherent Authority

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 and published on the web at uca.edu/student/student-handbook/. The Office of Dean of Students, located in the Student Health Center, Room 210, can be contacted regarding specific questions. For more information call 450-3416.

Sexual Misconduct Policy

URL: http://uca.edu/ubulletin/general-policies-information/sexual-misconduct-policy/

The Board of Trustees has established Board Policy 511, "Sexual Misconduct," providing definitions and grievance procedures in the event of instances or allegations of sexual misconduct. This policy may also be used, in the absence of specific policies addressing such issues, in response to instances or allegations of harassment based upon race, religion, national origin, sex or age.

For the full text of the Sexual Misconduct Policy, use this link: Board Policy 511. It may also be found in the current UCA Student Handbook.

For additional resources related to discrimination on the basis of sex, including sexual harassment of students and sexual violence, see the Title IX web site.

Campus Security and Traffic Regulations

URL: http://uca.edu/ubulletin/general-policies-information/campus-security-and-traffic-regulations/

[1] University Police (UCAPD)

The University of Central Arkansas (UCA) Police Department is the jurisdictional police agency for the University of Central Arkansas and is charged with the enforcement of all state and local laws and university regulations, as well as the development and delivery of crime prevention, public safety, traffic and parking services. The services of the UCA Police Department focus on the protection of persons and property, preservation of the peace, enforcement of state and local laws, prevention and repression of criminal activity, emergency preparedness planning, and management and control of parking and traffic on the campus.

The Department employs 28 full-time armed police officers who provide protective and law enforcement services to the university community of over 13,000 students, faculty and staff, which includes approximately 4,000 students who reside in campus housing and off-campus fraternities. The operating jurisdiction of the Department extends to all on-campus properties including 12 residence halls and numerous campus-owned or leased apartment complexes and houses within several blocks of the main campus. Officers actively patrol concurrently with the city of Conway all campus peripheral streets and major thoroughfares. In addition, the Department maintains mutual aid and operating jurisdiction agreements with the city of Conway and Faulkner County. University police officers are granted full investigative and arrest authority on the campus and contiguous streets and highways pursuant to A.C.A. 25-17-305.

University police officers are commissioned law enforcement officers and are professionally trained and certified by the Arkansas Commission on Law Enforcement Standards and Training. University police officers must meet mandatory state training requirements and, in addition, receive specialized training in university law enforcement, public safety, and critical incident response. University police officers are specially trained to understand the safety and security needs of students, staff, faculty and visitors within a richly diverse academic community. The wide spectrum of specialized training enables officers to successfully interact with diverse people, behaviors and social problems encountered within a university environment on a daily basis. The Department maintains and promotes respect for the individual rights and dignity of all persons and is dedicated to excellence in all of the services that are offered on a year-round basis.

[2] How to Summon Assistance

The UCAPD is located on campus between State and Hughes Hall. Persons needing EMERGENCY assistance at any time may call 9-1-1 from campus office telephones or 9-1-1 from residence hall telephones. General assistance can be obtained by calling (501) 450-3111. Assistance can also be summoned by pushing the call button on any blue light emergency or elevator 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 an annual security report. This report includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by the University of Central Arkansas; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. The report is published annually by the University of Central Arkansas and is available in the UCA *Student Handbook*, in the publication "Safety, Security & Health" at the offices of the UCA Police Department and the Human Resources Department, or by accessing these websites:

UCA Police Department: ucapd.org
Division of Student Services: uca.edu/student/student-handbook/

Copies of the report are 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. UCA's Parking & Traffic Rules & Regulations are available on the UCAPD website at ucapd.org/go/parkingrules or on the UCA Board of Trustees website.

A vehicle parked on campus must display a current UCA parking permit and must be parked in accordance with regulations. The UCAPD provides assistance to motorists who need a jump start or who are locked out of their vehicle. Call (501) 450-3111 for help.

Vehicles not displaying a proper parking permit and those found parked in violation of regulations may be cited or towed and impounded. Violators must pay all citation fines and tow, impound, and storage charges. A traffic or parking citation or any other communication from a university police officer is an official university notice. The recipient who does not respond to such a communication is subject to disciplinary action.

Motorcycles and motorbikes must be parked in areas designated for motorcycle parking.

Skateboarding, skates, rollerblades or other coasting devices cannot be used in any manner that places pedestrians at risk; their use for acrobatic, racing or other stunts is strictly prohibited on UCA owned/controlled property. Coasting devices may not be used within any building on the UCA campus or on any surface features (ramps, benches, or other architectural features) that might reasonably be expected to incur damage because of such use.

The UCAPD Parking and Traffic Services Office is open 8:00 am-4:00 pm, Monday through Friday.

3. COLLEGES, DEPARTMENTS, AND PROGRAMS

The index page for this section (http://uca.edu/ubulletin/colleges-departments-programs/) is not reproduced here.

College of Business

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-business/

Dean and Associate Professor: M. Hargis (PhD), 450-3106

[1] Vision, Mission, and Core Values

[1.1] Vision

Our vision is to be the leading regional public business college in Arkansas, with national recognition in selected fields or areas.

[1.2] Statement of Mission and Core Values

Our mission is to provide high quality business education to our undergraduate and graduate students through the delivery of a current and responsive curriculum that promotes intellectual and professional development. We promote excellence through our scholarly endeavors and service to our stakeholders through strong engagement with the regional and global business community. In carrying out this mission, the College of Business is guided by the following core values:

1. **Intellectual Excellence**
   1.1 Educate students: We promote intellectual and professional development of students by emphasizing communication, critical and analytical thinking, collaboration, information management and a broad exposure to key business disciplines.
   1.2 Scholarship: We believe that faculty and students should engage in professional development and scholarly endeavors that promote the application and creation of knowledge in business practice education.
   1.3 Cultural competence: We maintain and develop current and responsive curriculum that prepares students for the global business environment through broad exposure to key business disciplines.
   1.4 Physical learning environment: We strive to provide a physical infrastructure with appropriate technology that provides an environment in which our students and faculty can thrive professionally and intellectually.
2. **Community**
   2.1 Collegiality: We encourage transparency in our decision-making practice through a process of shared governance based on interactions among faculty, staff, and students.
   2.2 Service: We pursue collaborative partnerships between our internal and external stakeholders to promote life-long and experiential learning, research, service, and community interaction.
3. **Diversity**
   3.1 We value the opportunity to work, learn, and develop in a community that embraces the diversity of individuals and ideas.

4. **Integrity**
   4.1 Ethics: We are committed to ethical and responsible behavior in our own actions and to developing the same commitment in our students by promoting the awareness of professional ethical responsibilities.
   4.2 Responsibility: We commit to being responsible and accountable in our operations at all levels, including assessment and continuous improvement of our academic programs and transparency in our fiscal and operational proceedings.

[2] Limitation on Business Courses Taken by Non-Majors

Students majoring outside of the College of Business 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. 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 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
COB Technology Services
Graduate Programs in Business

[5] Curricula

[5.1] Bachelor of Business Administration

[5.1.1] Majors

For details on major and minor requirements, please refer to the department listed in parenthesis.

Accounting (Accounting)
General Business (Management Information Systems)
Economics with a concentration in International Trade (EFIRM)
Finance (EFIRM)
Innovation and Entrepreneurship (Marketing and Management)
Insurance and Risk Management (EFIRM)
Insurance and Risk Management with a concentration in Personal Financial Planning (EFIRM)
Logistics and Supply Chain Management (Marketing and Management)
Management (Marketing and Management)
Management Information Systems (Management Information Systems)
Marketing (Marketing and Management)

[5.1.2] Minors

Accounting (Accounting)
Actuarial Studies (EFIRM)
General Business (Management Information Systems)
Economics (EFIRM)
Innovation and Entrepreneurship (Marketing and Management)
Logistics and Supply Chain Management (Marketing and Management)
Management (Marketing and Management)
Management Information Systems (Management Information Systems)
Marketing (Marketing and Management)

Some minors are not open to business majors. Refer to §5.1.5 on this page for more details regarding minors that are open to business majors.

[5.1.3] Progression Requirements

In order for a BBA-seeking student to enroll in more than nine (9) hours of upper-division courses in the College of Business, she/he must meet the following progression requirements:

1. Obtain a 2.0 or higher cumulative grade point average, and
2. Complete ACCT 2310, 2311, ECON 2320, 2321, QMTH 2330 with a 2.0 grade point average in these five courses.

Business Education minors and others who wish to enroll in courses in the College of Business are not bound by the grade point requirements above but must complete the prerequisite courses stated in the bulletin. Non-BBA majors may not take more than 30 hours in the College of Business.

[5.1.4] Requirements for the Bachelor of Business Administration

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

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division

C = Effective Communication
D = Diversity
I = Critical Inquiry

R = Responsible Living
Z = Capstone Experience

UCA Core. Complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses. (See the UCA Core requirements.) Courses in English, history, humanities, culture and language, government, the sciences, mathematics, and health prepare students with basic speaking, reading, writing, and analytical skills as well as the time-management and self-discipline skills needed for advanced study.

Business foundation. Complete 30 hours of freshman and sophomore courses in economics, accounting, statistics, and personal computing to prepare for study in the core functional areas of business and to develop computer skills.

ACCT 2310 Principles of Accounting I **[ACTS: ACCT2003]**
ACCT 2311 Principles of Accounting II **[ACTS: ACCT2013]**
ACCT 2321* Legal Environment of Business **[ACTS: BLAW2003]**
ECON 2310 Global Environment of Business
ECON 2320 Principles of Macroeconomics **[ACTS: ECON2103]**
ECON 2321 Principles of Microeconomics **[ACTS: ECON2203]**
QMTH 2330 Business Statistics **[ACTS: BUSI2103]**
MGMT 2301* Business Communications **[ACTS: BUSI2013]**
MIS 2343 Desktop Decision Support Technologies
MATH 1395 Applied Mathematics for Business (*formerly* Applied Calculus for Business and Economics)

Note on the Business Foundation:
***** Innovation and Entrepreneurship majors take MKTG 2376 Business Innovation & Creative Thinking in place of MGMT 2301 Business Communications and ACCT 2376 Business Law for Entrepreneurs in place of ACCT 2321 Legal Environment of Business.

Business core. Complete 18 hours of upper-division (3000-4000 level) courses to provide the student with functional business skills.

FINA 3330 Managing Finance and Capital **[UD UCA Core: I]**
MIS 3321* Managing Systems and Technologies **[UD UCA Core: R]**
MGMT 3340 Managing People and Work **[UD UCA Core: D, R]**
MGMT 3344* Operations and Supply Chain Management
MGMT 4347** Managing Policy and Strategy **[UD UCA Core: Z]**
MKTG 3350 Principles of Marketing

Notes on the Business Core:
***** Accounting majors take ACCT 3320 Accounting Information Systems **[UD UCA Core: R]** in place of MIS 3321 **[UD UCA Core: R]** and ACCT 4315 Advanced Cost Accounting in place of MGMT 3344.
****** MGMT 4347 **[UD UCA Core: Z]** should be taken in the student's last semester.

Major. Complete 24 hours of upper-division courses designated by the department administering the major.

Electives. Students must complete the appropriate number of electives to ensure a minimum of 120 credit hours required for graduation. All BBA majors are reminded that graduation requirements include a minimum of 40 hours of upper-division courses.

[5.1.5] Other Academic Policies and Requirements

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

Minors. College of Business majors may (but are not required to) minor in any available discipline in any college including the College of Business with the following exceptions:

- General Business majors cannot minor in a College of Business discipline, but may minor in any available discipline in another College.
- Business majors (any discipline) cannot minor in General Business, but may minor in any other available discipline in the College of Business or in another discipline. Available options within the College of Business are currently limited to the following:
    - Accounting
    - Innovation and Entrepreneurship
    - Logistics and Supply Chain Management
    - Marketing
    - Management
    - Management Information Systems
- Business majors (any discipline) are limited to one minor within the College of Business, but may choose additional minors in any available discipline in another College.
- Not every College of Business discipline offers a minor to students majoring in business. Refer to each department in this bulletin for minor offerings.

Second majors. By completing the major requirements in a second major beyond the minimum 120 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, and (3) 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
3. a 2.0 grade point average in all major courses taken as determined by the department
4. a 2.0 grade point average in all minor courses (if a minor is selected)

[5.2] 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 electing to pursue a major in the College of Business are subject to the same progression requirements listed in § 5.1.3 (above).

1. A transfer student is expected to arrange for a degree check by his/her College of Business 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.
4. Courses taken at any institution of higher education where the course content is remedial are not acceptable for degree credit.
5. The student should be prepared to submit course descriptions, syllabi, or other course-related information for transfer course work if there is any question as to whether the College of Business will grant degree credit for such work.

[5.3] Bachelor of Science

Major in Economics
Major in Information Systems

[5.4] Bachelor of Arts

Major in Economics

[5.5] Master's Degree in Business Administration

The university offers a program of study leading to a Master of Business Administration (MBA) degree and, within this degree program, specializations in Finance, Health Care Administration, and International Business Administration. These programs are designed to serve the needs of qualified students preparing for careers in accounting, business, government, and doctoral study in business administration. The specialization in International Business Administration is especially designed for students preparing for careers in multinational businesses or working in businesses that engage in international commerce. An undergraduate business degree is not an admission requirement for graduate business study. Leveling classes are available for non-business majors to provide necessary competencies for success in the MBA program. For more information, see the *Graduate Bulletin*.

[5.6] Master's Degree in Accountancy

The university offers a program of study leading to a Master of Accountancy (MAcc). The degree is designed to provide a fifth year of accounting education to prepare students for careers in professional accounting. The American Institute of Certified Public Accountants recommends five years of academic study in order to obtain the professional knowledge for a career in accounting. Most states (including Arkansas and surrounding states) have laws requiring five years of study as a prerequisite to sit for the Certified Public Accountant's examination.

The objective of the Master of Accountancy program is to give students greater breadth and depth of accounting knowledge and if desired, a specialization in taxation. The program requires 30 hours of course work beyond the Bachelor's degree and, with proper scheduling, can be completed in 12 calendar months. A bachelor's degree in accounting or the completion of certain undergraduate courses is required for admission to the program. Admission is also based on an applicant's undergraduate record and on their score on the GMAT or GRE. Outstanding employment

opportunities in public accounting, industry, and government await graduates of the Master of Accountancy program. For more information, contact the Department of Accounting.

[6] Small Business and Entrepreneurship

The College of Business houses the Small Business Advancement National Center (SBANC), which is devoted to teaching, research, and service in the areas of small business and entrepreneurship. These activities are provided locally, statewide, nationally, and internationally for those interested in small business and entrepreneurship using electronic linkages, newsletters, counseling sessions, and website. The SBANC houses the Small Business Advancement Electronic Resource (www.sbaer.uca.edu), which is both nationally and internationally acclaimed for its information and research dealing with small business and entrepreneurship. The center has links with hundreds of universities and serves as an information and research point for many government agencies around the globe.

[7] International Exchange Programs

Students and faculty in the College of Business have the opportunity to participate in numerous business and cultural exchange programs. The College is a partner in several mobility grants sponsored by the Fund for the Improvement of Post-Secondary Education (FIPSE), US Department of Education. These grants provide travel stipends for students and faculty to cover some of the expenses incurred during the international exchange. One of the FIPSE grants is between the US and four European universities and the other is between the U.S., Mexico, and Canada. Participating Mexican and Canadian universities are: Universidad de Colima (Mexico), Universidad Veracruzana (Mexico), Universidad Baja California Sur (Mexico), St. Francis Xavier (Antigonish, Canada), University of Moncton (Canada), and the University of Prince Edward Island (Canada). The College also has exchange agreements with the following European universities: FUNDESEM Business School (Alicante, Spain), The Haagse Hogeschool University (Netherlands), University of Leon (Spain), University of Mons Hainaut (Belgium), and Fachhochschule Bielefeld (Germany). Recently, a study abroad experience has been established with universities in China.

[8] COB Technology Services

COB Technology Services provides support for the instructional, research, and technological needs of the faculty, staff, and students in the College of Business. The office maintains networked computer labs for instructional and student use.

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

[9] Co-op Internships

The College of Business Administration is an active participant in the university's Career Services Programs which include career guidance, aptitude testing, individual instruction, seminars and a non-credit and credit co-ops. Co-op internships provide students with the skills, experience, and knowledge that give them an advantage in the job market. Many co-op students return to their co-op employer for a full-time career-track job. For further information, contact the Office of Cooperative Education (318 Bernard Hall).

To receive academic credit for internships, students must participate in a COB Approved Internship. The College seeks to provide students with a number of competitive specialized disciplinary

experiences to reinforce the content and theory of their major field of study. COB approved internships require an ongoing business mentor who is committed to partner with college faculty members in adding realism, practice and guidance to our students' understanding of their professions. Students should contact the COB Internship Director, and the Chair of their major field, for more information. No more than 6 hours of internship credits may be counted toward a BBA major.

[10] Criminal Justice Institute

The University of Central Arkansas, in partnership with the Criminal Justice Institute of the University of Arkansas, offers the following certificates and degree plans: Associate of Applied Science degree in Crime Scene Investigation, a Technical Certificate in Crime Scene Investigation, a Certificate of Proficiency in Crime Scene Investigation, an Associate of Applied Science degree in Law Enforcement Administration, a Technical Certificate in Law Enforcement Administration, and a Certificate of Proficiency in Law Enforcement Administration. **Students must be sworn law enforcement officers and currently employed by a law enforcement agency to participate in the certificate and degree programs outlined above.**

It is the responsibility of the student to request credit for the Criminal Justice Institute courses and submit the proper documentation prior to, or during, the student's first enrollment at UCA.

Department of Accounting

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-business/department-of-accounting/

Chair and Associate Professor: S. Watson (PhD/CPA), 450-5311
Professor: K. Atkinson (PhD/CPA), P. Jensen (DBA/CPA), T. Oxner (PhD/CPA), P. Spikes (PhD/CPA)
Associate Professor: C. McKnight (PhD/CPA)
Assistant Professor: A. McMullen (JD), K. Oxner (DBA/CPA), A. Phillips (JD/LLM)
Senior Lecturer: L. Young (MAcc/CPA)
Lecturer I: S. Nelson (MBA/CPA)

[1] Objectives

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

[2] Honors in Accounting

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Seniors, with the consent of the department chair and their advisor, having a cumulative grade point average of 3.25 and 3.25 in the major, may participate in the Honors in Accounting program. The student will be required to complete ACCT 4390, which consists of a research paper and presentation based on individual study under the direction of a member of the accounting faculty. Successful completion of this program will allow the student to graduate with honors.

[3] Baccalaureate Degree: Bachelor of Business Administration

The degree of Bachelor of Business Administration with a major in accounting requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major courses; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) electives to bring total credit hours to 120.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1] Major in Accounting (24 hours)

The major in accounting consists of twenty-four (24) hours of upper-division accounting courses including:

ACCT 3311 Intermediate Accounting I
ACCT 3312 Intermediate Accounting II
ACCT 3315 Cost Accounting
ACCT 3316 Individual Taxation
ACCT 4304 Accounting for Governmental & Non-Profit Organizations
ACCT 4312 Advanced Accounting
ACCT 4316 Advanced Income Tax
ACCT 4317 Auditing **[UD UCA Core: C]**

Note* Accounting majors take ACCT 3320 Accounting Information Systems in place of MIS 3321 **[UD UCA Core: R]** and ACCT 4315 Advanced Cost Accounting in place of MGMT 3344 in the Business Core.

A minimum of a 2.0 GPA is required overall, in the Business foundation and core, and in the major.

[3.2] Minor in Accounting (18 hours)

The minor in accounting requires eighteen (18) unique hours (i.e., these 18 hours may not be used for any other major or minor). The Accounting minor includes five required courses plus a sixth course chosen from an approved list:

Required Courses (15 hours):

ACCT 2310 Principles of Accounting I **[ACTS: ACCT2003]**
ACCT 2311 Principles of Accounting II **[ACTS: ACCT2013]**
ACCT 3311 Intermediate Accounting I
ACCT 3315 Cost Accounting
ACCT 3316 Individual Taxation

Choose one of the following courses (3 hours):

ACCT 3312 Intermediate Accounting II
ACCT 4304 Government/Not-for-profit Accounting
ACCT 4315 Advanced Cost Accounting
ACCT 4316 Advanced Income Tax

[4] CPA Exam Preparation

To qualify to sit for the Uniform Certified Public Accountant Examination, candidates must complete 120 semester hours of course work. In order to receive a CPA Certificate in Arkansas, a candidate must have 150 hours of course work. Handouts are available in the Department of Accounting that describe these requirements. Many students who plan on becoming CPAs elect to earn a Master of Accountancy to complete the 150 hour requirement. In addition, students must earn a C or better in all courses that are used to satisfy the 30-hour accounting component of the CPA Exam requirements.

[5] Courses in Accounting (ACCT)

Follow this link for ACCT course descriptions: course link.

Department of Economics, Finance, and Insurance and Risk Management

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-business/economics-finance-and-insurance-and-risk-management/

Chair and **Associate Professor**: T. Rogers (PhD), 450-3109
Carmichael Professor: L. He (DBA)
Professor: J. Bratton (PhD), M. Casey (DBA), J. McGarrity (PhD)
Associate Professor: P. Cantrell (PhD), A. Fayman (PhD), D. Mitchell (PhD), V. Puleo (PhD), T. Snyder (PhD)
Assistant Professor: J. Horpedahl (PhD), I. Song (PhD), W. Yuan (PhD)
Senior Lecturer: L. Maxwell (MBA)
Visiting Assistant Professor: Z. Donohew (PhD), J. Theis (PhD)

[1] Objectives

The department provides major programs or concentrations in the areas of economics, finance, international trade, and insurance and risk management. A degree in economics can be taken under a Bachelor of Business Administration, Bachelor of Arts, or Bachelor of Science degree plan. A concentration in international trade is required under either the Bachelor of Business Administration or the Bachelor of Arts degree plan and prepares students for positive participation in global business and society. A degree in finance can be taken under the Bachelor of Business Administration degree plan. A degree in insurance and risk management is available under the Bachelor of Business Administration degree plan. A degree in insurance and risk management with a personal financial planning track is offered under the Bachelor of Business Administration degree plan. Each program emphasizes analytical tools and applications that will be useful in a rapidly changing world.

The degree program in finance prepares students for careers in financial institutions, investments, and in finance-related occupations in business and government. The degree programs in economics prepare students to enter professional careers as economic analysts in governmental and business organizations.

If a student desires to undertake graduate study in economics, business, health care administration, public administration, or law, the economics and finance programs provide excellent backgrounds for such study.

The degree in insurance and risk management or personal financial planning will prepare students for management-level careers in insurance, personal financial planning, or as an employee benefits manager, insurance regulator, group insurance representative, agent, broker, risk manager, or safety or loss-control expert.

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

[1.1] Honors in Economics, Finance, and Insurance and Risk Management

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Exceptional students with a minimum cumulative grade point average of 3.25 may be invited by the faculty to pursue the Honors in the Major program. Students will write a paper under the direction of a faculty member. Successful completion of this program will allow the students to graduate with honors. Majors will be required to complete independent studies in FINA 4390 for Finance or INSU 4390 for Insurance or ECON 4390 for Economics.

[2] The Carmichael Endowment

The generosity of Dr. Maude Carmichael, through the Carmichael Fund that she established to honor her parents, has made it possible to have unique experiences in economic education. The creation of the Carmichael Professorship is one example of how her endowment has been used to promote education in economics and banking.

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

[3] Baccalaureate Degrees

[3.1] Bachelor of Business Administration

The degree of Bachelor of Business Administration requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated

BBA foundation, core and major courses; (2) the BBA foundation and core requirements; (3) a major as listed below; and (4) electives to bring total credit hours to 120.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division

C = Effective Communication
D = Diversity
I = Critical Inquiry

R = Responsible Living
Z = Capstone Experience

[3.1.1] Major in Economics (24 hours)

Concentration in International Trade. The major consists of eight courses. A student must take:

ECON 3301 Intermediate Microeconomics
ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
ECON 4335 International Trade
ECON 4380 Senior Seminar (to be taken in final year) **[UD UCA Core: Z]**
FINA 4333 International Finance

and may choose three courses from the following:

any upper division economics course
FINA 3340 Money, Banking, and Financial Markets
MGMT 3342 International Business

[3.1.2] Major in Finance (24 hours)

The major consists of eight upper-division level classes. There are five required upper-division courses:

FINA 3340 Money, Banking, Financial Markets
FINA 3350 Personal Financial Planning **[UD UCA Core: R]**
FINA 4332 Investments
FINA 4333 International Finance
FINA 4336 Advanced Financial Management **[UD UCA Core: C]**

A student must take one of the following three classes:

QMTH 3325 Data Analysis
ECON 3335 Econometrics
FINA 4334 Financial Derivatives

The student must also take two of the following classes:

FINA 3323 Real Estate
FINA 3382 Internship in Finance
FINA 4331 Bank Management
FINA 4334 Financial Derivatives (if not used to meet the requirement in the previous section)

FINA 4376 Entrepreneurship Finance
FINA 4390 Independent Study
FINA 4395 Special Problems
ACCT 3311 Intermediate Accounting I
ACCT 3312 Intermediate Accounting II
INSU 3324 Risk and Insurance
MGMT 4341 Quantitative Methods in Management

[3.1.3] Major in Insurance & Risk Management (24 hours)

The major consists of eight upper-division courses including:

INSU 3324 Risk & Insurance
INSU 3315 Life & Insurance
INSU 3320 Property & Liability Insurance
INSU 4315 Employee Benefits
INSU 4320 Corporate Risk Management **[UD UCA Core: C]**
FINA 4332 Investments

and two of the following:

INSU 3330 Surplus Lines & Reinsurance
QMTH 3325 Data Analysis
FINA 3350 Personal Financial Planning **[UD UCA Core: R]**
INSU 4310 Internship in Insurance & Risk Management
INSU 4340 Insurance Operations & Regulations

[3.1.3.1] Personal and Financial Planning Track (24 hours)

The major consists of eight upper-division courses. These are:

INSU 3324 Risk & Insurance
INSU 3315 Life & Health Insurance
INSU 4315 Employee Benefits
FINA 3350 Personal Financial Planning **[UD UCA Core: R]**
FINA 4332 Investments
ACCT 3316 Introduction to Taxation
ACCT 4305 Estate Planning
ACCT 4316 Advanced Income Tax

Note: Students pursuing the Personal Financial Planning Track will need to choose an upper-division UCA Core Effective Communication Course in their elective courses.

[3.1.4] Minor in Economics (18 hours)

Not open to BBA students. Students have two options.

Option one:
ECON 2320 Principles of Macroeconomics **[ACTS: ECON2103]**
ECON 2321 Principles of Microeconomics **[ACTS: ECON2203]**
ECON 3301 Intermediate Microeconomics

ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
and six hours from upper-division economics courses.

Option two:
If students take ECON 1310 before they finish both ECON 2320 and 2321, they may take:
ECON 1310 Modern Political Economy
ECON 2320 Principles of Macroeconomics **[ACTS: ECON2103]**
ECON 2321 Principles of Microeconomics **[ACTS: ECON2203]**
ECON 3301 Intermediate Microeconomics
ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
and three hours from upper-division economics courses.

[3.1.5] Minor in Actuarial Studies (21 hours)

This is a 21-hour minor which will help prepare students for careers in the actuarial field. Students will complete courses designed to provide the foundation of business and insurance knowledge necessary for entry level economics and finance exams in this field. Students wishing to pursue a career in the actuarial field will also be required to have a strong background in statistical analysis beyond the scope of this minor.

Not open to students earning a BBA degree.

Required courses (18 hours):

ACCT 2310 Principles of Accounting I **[ACTS: ACCT2003]**
ECON 2320 Principles of Macroeconomics **[ACTS: ECON2103]**
ECON 2321 Principles of Microeconomics **[ACTS: ECON2203]**
FINA 3330 Managing Finance and Capital **[UD UCA Core: I]**
FINA 4336 Advanced Financial Management **[UD UCA Core: C]**
INSU 3324 Risk and Insurance

Elective courses (3 hours):

ECON 3335 Econometrics
FINA 4334 Financial Derivatives
or
any 3000- or 4000-level economics, finance, or insurance course approved by the advisor

[3.2] Bachelor of Science

The degree of Bachelor of Science, with a major in economics, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated major, minor, or elective courses (see the UCA Core requirements); (2) the BS degree requirements; (3) the major as listed below; and (4) a minor approved by the student's minor advisor.

Note: Designated required Economics courses for the UCA Core are:

ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
ECON 4380 Senior Seminar in Economics **[UD UCA Core: Z]**Students may choose from the following major electives or minor courses or general electives to meet the UCA Core Diversity and Responsible Living upper-division requirements.

ECON 4335 International Trade **[UD UCA Core: D]**
ECON 3310 Public Finance **[UD UCA Core: R]**
ECON 3330 Environmental Economics **[UD UCA Core: R]**

[3.2.1] Major in Economics (30 hours)

A student must take MATH 1491 and MATH 2311 to meet the BS degree requirements.

A student must take the following economics classes:

ECON 2320 Principles of Macroeconomics **[ACTS: ECON2103]**
ECON 2321 Principles of Microeconomics **[ACTS: ECON2203]**
ECON 3301 Intermediate Microeconomics
ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
ECON 3335 Econometrics
ECON 4380 Senior Seminar in Economics **[UD UCA Core: Z]**

A student must take an additional 12 hours from the remaining upper division level economic classes or the finance classes listed below:

FINA 3340 Money, Banking, and Financial Markets
FINA 4332 Investments
FINA 4333 International Finance

BS Economics majors may pick a minor within the College of Business. No more than 30 hours of classes may be taken in the College of Business. College of Business courses are considered to be courses with the following prefixes: ACCT, FINA, INSU, MGMT, MIS, MKTG, and QMTH. Economics courses are not considered to be College of Business courses for this requirement.

[3.3] Bachelor of Arts

The degree of Bachelor of Arts in economics, with a concentration in International Trade, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated major, minor, or elective courses (see the UCA Core requirements); (2) the BA degree requirements; (3) the major as listed below; and (4) a minor approved by the student's minor advisor.

Note: Designated required Economics courses for the UCA Core are:

ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
ECON 4335 International Trade **[UD UCA Core: D]**
ECON 4380 Senior Seminar in Economics **[UD UCA Core: Z]**
Students may choose from the following major electives or minor courses or general electives to meet the UCA Core Responsible Living upper-division requirement:
ECON 3310 Public Finance **[UD UCA Core: R]**
ECON 3330 Environmental Economics **[UD UCA Core: R]**

[3.3.1] Major in Economics (39 hours)

Concentration in International Trade: A student must take either ECON 1310 or ECON 2310 from the UCA Core, as well as seven required economics classes and five global electives. The student must take:

ECON 2320 Principles of Macroeconomics **[ACTS: ECON2103]**
ECON 2321 Principles of Microeconomics **[ACTS: ECON2203]**
ECON 3301 Intermediate Microeconomics
ECON 3302 Intermediate Macroeconomics **[UD UCA Core: I, C]**
ECON 4335 International Trade **[UD UCA Core: D]**
ECON 4375 Economics of Developing Nations
ECON 4380 Senior Seminar in Economics

Global Electives
The student must also take three upper division economics major elective courses.
The student must also take two classes from the following list of classes:

Any upper division level economics class
FINA 3340 Money and Banking
FINA 4333 International Finance
GEOG 3300 World Regional Geography
GEOG 3305 Economic Geography
GEOG 3315 Geography of Latin America
GEOG 3320 Field Study
GEOG 3335 Geography of Europe & Russia
GEOG 3345 Geography of China and East Asia
GEOG 3346 Geography of South Asia
GEOG 3381 Political Geography
GEOG 3385 Global Food Resources
PSCI 3305 United Nations and International Politics
PSCI 3315 International Law and Organizations
PSCI 3340 Governments and Politics of Europe and Russia
PSCI 3382 Politics of Developing Nations
PSCI 4305 Political Economy of Development
PSCI 4310 International Political Economy and Globalization
PSCI 4320 Revolution and Political Violence
PSCI 4325 Mexican Politics and US-Mexican Relations
PSCI 4328 Dynamics of Democratization
PSCI 4345 Governments and Politics of Africa
PSCI 4348 Government and Politics of the Middle East
PSCI 4388 American Foreign Policy
PSCI 4395 International Conflict and Conflict Management
HIST 3304 Asian Civilization II
HIST 3312 Comparative History of Developing Countries
HIST 3321 History of Christianity II
HIST 4305 United States and the Middle East, 1776-Present
HIST 4328 Modern Latin America

HIST 4347 Ideas and Society in Modern Europe
HIST 4377 Europe in a Global Era
HIST 4381 Modern China
HIST 4383 Modern Japan
HIST 4387 The Islamic Middle East
HIST 4394 Germany since 1918
HIST 4397 History of Ireland 1550-Present
SOC 3398 Travel Seminar
SOC 4341 Population

A student may also take other classes approved by his or her advisor to meet the global elective requirement.

BA Economics majors may pick a minor in the College of Business. No more than 30 hours of classes may be taken in the College of Business. College of Business courses for this requirement are considered to be courses with the following prefixes: ACCT, FINA, INSU, MGMT, MIS, MKTG, and QMTH. Economics courses are not considered to be College of Business courses for this requirement.

[4] Course Links (ECON, FINA, INSU)

Follow this link for ECON course descriptions: course link.

Follow this link for FINA course descriptions: course link.

Follow this link for INSU course descriptions: course link.

Department of Management Information Systems

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-business/department-of-management-information-systems/

Chair and **Professor**: J. Downey (PhD), 450-3110
Professor: K. Griffin (DBA), R. McGaughey (PhD), S. Zeltmann (PhD)
Associate Professor: K. McKinzie (PhD), M. McMurtrey (PhD)
Assistant Professor: M. Ellis (PhD), J. Hill (PhD), J. Thomas (PhD)
Lecturer II: C. Barber (MEd), L. Smith (MEd)
Visiting Lecturer: M. Casey (MEd)

[1] Objectives

The Department of Management Information Systems (MIS) offers major and minor programs of study in three different areas: Management Information Systems (MIS), a Bachelor of Science in Information Systems (BS-IS) and General Business. MIS and General Business majors graduate with a Bachelor of Business Administration (BBA). Both MIS and BS-IS are designed to prepare students for careers in designing, developing, implementing and maintaining computer-based systems. Students learn how to utilize the power of computer technologies to reduce costs and improve organizational effectiveness. Graduates use their understanding of business processes and computer technologies to help create and improve computer-based systems which are critical to the success of almost all modern organizations.

MIS and BS-IS are similar in many respects. They share many of the same course requirements and graduates can vie for some of the same jobs. Both have a business component as well as a technology component in their curricula. But they are also different. The MIS degree requires more business classes and less technology. The BS-IS degree requires more technology; indeed this degree requires a minor in Computer Science. The degree program in MIS prepares students for careers in business, government, and not-for-profit organizations as systems or business analysts, programmers, database developers and managers, and website managers. Graduates become project managers, database administrators, network managers, and directors of the information systems function within their organizations. The BS-IS program prepares graduates for similar type jobs, but students are more thoroughly prepared for one of the most common jobs in the IT industry—development. IT developers write and maintain computer code; they solve business problems by developing programming solutions.

The BS-IS degree has no concentrations, but does require a minor in CS. It is unlike any program in the state in that it a true combination of business, MIS and CS. The MIS program, on the other hand, consists of a single major (MIS), but requires students to choose between three different concentrations, including Application Development, Telecommunications and Computer Networks, or Business Analysis. The three concentrations include an MIS Core of three required courses, with additional courses and electives for advanced study depending on the concentration. This MIS program offers students an unusual breadth of study (three specialization concentrations) and an unusual depth of study (advanced courses in each area) compared to other MIS programs in Arkansas and the region.

The General Business major is designed for students who are interested in the varied aspects of business and organizations and wish to sample three or more different areas of study. The program is designed for students who wish a broader business perspective than that provided by a single business department. This is an interdisciplinary business major that requires students take upper-division courses from at least three of the seven business disciplines in the College of Business. Students who major in General Business have a broad knowledge base of the entire business organization, without specializing in one area. Majors are frequently interested in smaller organizations or managing their own business.

[2] Baccalaureate Degrees: Bachelor of Business Administration (BBA)

[2.1] Management Information Systems

The degree of Bachelor of Business Administration with a major in Management Information Systems requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major courses; (2) the BBA foundation (27 hours) and core requirements (18 hours); (3) the major requirements (24 hours) listed below; and (4) electives to bring total credit hours to 120.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity

I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Students majoring in Management Information Systems must choose one of three concentrations, including Application Development, Telecommunications and Computer Networks, or Business Analysis. Each concentration requires the same three core MIS courses, but different follow-on courses.

MIS core courses (12 hours):

MIS 3363 Telecommunications and Computer Networks I
MIS 3365 Database Applications
MIS 4328 Systems Analysis and Design **[UD UCA Core: C]**
MIS 4355 Introduction to Project Management **[UD UCA Core: Z]**

In addition to the four required MIS Core classes, each student will select one of three concentrations (detailed below). These concentrations include an additional four courses (12 hours) each. Each of these concentrations (except GIS in the Application Development Concentration as noted below) allow the student to select one elective, which must be advanced (3000 level or above) courses in MIS or Statistics (QMTH) or ACCT 3320. The following details the concentrations.

[2.1.1] Application Development Concentration

The Application Development Concentration is designed for MIS majors who wish to prepare for jobs working with software. Graduates from this concentration typically develop and maintain applications and other software, such as databases, web sites, geographical information systems, and other computer-based systems, including corporate computer infrastructures. Graduates frequently work on Information Technology (IT) projects or as IT systems analysts. The Application Development Concentration is comprised of three "sub-concentrations", including E-Commerce, Programmer/Analyst, and Geographical Information Systems (GIS). The GIS sub-concentration includes courses from the Department of Geography. Each student will self-select one of these sub-concentrations by choosing one of three advanced courses. Requirements for the Application Development Concentration are as follows:

Major in MIS, Application Development Concentration (24 hours)

MIS Core Courses (12 hours, see above)

One programming course, chosen from the following (3 hours):

MIS 3301 COBOL
MIS 3335 Programming using Scripting Languages
MIS 3339 Programming in Java
MIS 3362 Visual Basic

Choose any one elective from any advanced (3000 level or higher) MIS or QMTH course or ACCT 3320 (note that there are no electives for the GIS sub concentration) (3 hours; 0 hours for GIS).

Choose one of the three sub-concentrations below (6 hours; 9 hours for GIS).

[2.1.1.1] E-Commerce sub-concentration (6 hours)

This sub-concentration is designed for MIS majors who wish to prepare for jobs working on corporate and organizational web sites. Graduates develop and maintain Internet-based IT systems for business and non-profit entities in support of organizational goals and requirements. Of particular importance is developing interactive web technologies, including Electronic Commerce (E-commerce) and managing web servers. The following 6 hours are required:

MIS 3366 Web Site Development
MIS 4366 E-Commerce and Advanced Web Site Development

[2.1.1.2] Programmer/Analyst sub-concentration (6 hours)

This sub-concentration is designed for MIS majors who wish to prepare for jobs working as system designers and system builders in a large organization. Graduates from this sub-concentration typically work with non-technical managers and staff along with computer scientists and technicians in designing and building large computer-based systems and corporate computer infrastructures. The following 6 hours are required:

MIS 4329 Database Management Systems

Choose another programming course from the following (not already taken):

MIS 3301 COBOL
MIS 3335 Programming using Scripting Languages
MIS 3339 Programming in Java I
MIS 3362 Visual Basic
MIS 4339 Programming in Java II
CSCI 1470 Computer Science I (Note: This is not an advanced course, so students should be aware that this would not aid in fulfilling the 40 hours of advanced credit required).

[2.1.1.3] Geographical Information Systems (GIS) sub-concentration (11-12 hours)

This sub-concentration is designed for MIS majors who wish to prepare for jobs working with electronic mapping systems. These systems are used extensively by federal, state, and local government agencies. Utility companies which provide electric power, natural gas, water, sewer, cable, and telephone almost all use these systems. Many other employers are also interested in GIS/Spatial system technologies. Because this sub-concentration requires 11-12 hours of Geography, it has no electives. The following 11-12 hours are required:

GEOG 2475 Cartography
GEOG 3403 Geographic Information Systems

Choose one of the following:

GEOG 3404 Geographic Information Analysis
GEOG 4307 Locational Analysis and Decision Making with GIS

[2.1.2] Telecommunications and Computer Networking Concentration

The Telecommunications & Computer Networks Concentration is designed for MIS majors who wish to prepare for jobs in the telecommunications industry or as networking specialists. The focus of this concentration is computer networking, hardware, and the telecommunications industry.

Graduates will have studied traditional wireline technologies, wireless technologies, and computer networks of various types. Requirements for the Telecommunications Concentration include the following:

Major in MIS, Telecommunications and Computer Networking Concentration (24 hours)

MIS Core Courses (12 hours, see above)

One programming course, chosen from the following (3 hours):
MIS 3301 COBOL
MIS 3335 Programming using Scripting Languages
MIS 3339 Programming in Java
MIS 3362 Visual Basic

Take the following (6 hours):

MIS 3300 Introduction to Computer Architecture and Programming
MIS 4363 Telecommunications and Computer Networks II

Choose one elective from advanced (3000-level or higher) MIS or QMTH course or ACCT 3320 (3 hours).

[2.1.3] Business Analysis Concentration

The Business Analysis Concentration is designed for MIS majors who wish to prepare for jobs that pair business requirements and analysis. In many companies, the need is not for developers or hardware/software experts, but on employees who understand technology, can work in teams, and analyze business processes. Graduates are prepared to be a link between business managers and the technical staff, and will have experience working on projects in teams. Project management is one of the key components of this concentration. Requirements for the Business Analysis Concentration include the following:

Major in MIS, Business Analysis Concentration (24 hours)

MIS Core Courses (12 hours, see above)

Take one of the following courses (3 hours):

MIS 3300 Introduction to Computer Architecture and Programming
MIS 3301 COBOL
MIS 3335 Programming using Scripting Languages
MIS 3339 Programming in Java
MIS 3362 Visual Basic

Take two of the following (6 hours):

MIS 3343 Advanced Spreadsheet Applications
MIS 4360 Information Security
MIS 4380 Business Intelligence
QMTH 3325 Data Analysis
QMTH 4341 Quantitative Methods in Management

Choose one elective from any advanced (3000-level or higher) MIS or QMTH course or ACCT 3320 (3 hours).

[2.1.4] Minor in Management Information Systems (18 hours)

Students who wish to minor in MIS have the opportunity to focus their efforts in many directions, from developing computer code and technical competence to a less-technical, but more statistical business analysis direction. MIS offers students the technical foundation to compete for a wide variety of well-paid and respected technical positions.

A minor in MIS requires 18 unique hours, that is, these 18 hours may not be used for any other major or minor. The MIS minor includes four required core courses, one technical or programming course, and one elective, for a total of 18 hours.

Required courses (12 credit hours)

MIS 3321 Managing Systems and Technology
MIS 3365 Database Applications
MIS 4328 Systems Analysis and Design **[UD UCA Core: C]**
MIS 4355 Project Management **[UD UCA Core: Z]**

Choose one of the following courses (3 credit hours)

MIS 3300 Computer Architecture and Programming
MIS 3301 COBOL I
MIS 3335 Programming in Scripting Languages
MIS 3339 Programming in Java I
MIS 3362 Visual Basic
MIS 3363 Telecommunications and Computer Networks I
ACCT 3320 Accounting Information Systems
CSCI 1470 Computer Science I

Additional elective requirements (3 credit hours)

Take one additional upper-division (3000- or 4000-level) MIS or QMTH courses; this upper-division course may be from either Mathematics or Computer Science, but this Math/Computer Science course may not be a course required for graduation in that major.

[2.2] General Business

The degree of Bachelor of Business Administration with a major in General Business requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major courses; (2) the BBA foundation (27 hours) and core requirements (18 hours); (3) the major requirements listed below; and (4) electives to bring the total credit hours to 120.

[2.2.1] General Business Requirements

The general business major requires eight upper-division courses in at least three different teaching areas in the College of Business, including Accounting (ACCT), Economics (ECON), Finance (FINA), Insurance and Risk Management (INSU), Management Information Systems (MIS or QMTH), Marketing (MKTG), or Management (MGMT).

[2.2.2] Minor in Business Administration (24 hours)

Not open to business majors working on a BBA degree. The minor in General Business requires the following courses:

ACCT 2310 Principles of Accounting I
ACCT 2311 Principles of Accounting II
ECON 2320 Macroeconomics
ECON 2321 Microeconomics

Choose four additional business courses (12 hours); **two of these courses must be upper-division (3000 or 4000 level)**. Three of these four courses must be from **three different business disciplines**. These disciplines include Finance (FINA), Insurance (INSU), Management (MGMT), Marketing (MKTG), and Management Information Systems (MIS). The fourth course may be from any business discipline including the five above but also Accounting (ACCT) or Economics (ECON).

Note: Statistics courses other than QMTH 2330 may be used as pre-requisites for business courses but may not be used as a course in the Business Administration minor.

[3] Baccalaureate Degrees: Bachelor of Science (BS)

[3.1] Information Systems

The degree of Bachelor of Science with a major in Information systems requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses in the BBA foundation, core, and major courses; (2) 36-37 hours of Business Foundation and Core courses (up to approximately 12 hours may also be used for the UCA Core requirement); (3) a minor in Computer Science consisting of eighteen (18) hours; (4) 30 hours of Information System courses; and (5) electives to bring total credit hours to 120.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Requirements for the Information Systems degree follow.

Business Requirements (36-37 hours)

MATH 1395 Applied Mathematics for Business **or** MATH 1491 Applied Calculus*
ECON 2320 Macroeconomics*
MGMT 2301 Business Communications*
ECON 2310 Global Environment of Business*
ECON 2321 Microeconomics*
ACCT 2310 Accounting I

MATH 2311 Statistical Methods I **or** QMTH 2330 Business Statistics
ACCT 2321 Legal Environment of Business
MIS 3321 Managing Systems and Technology
FINA 3330 Managing Finance & Capital **[UD UCA Core: I]**
MGMT 3340 Managing People and Work **[UD UCA Core: D]**
MKTG 3350 Principles of Marketing

*These courses can also count as part of the 38 hour University Core requirement.

Minor in Computer Science (18 hours): 18 hours^

CSCI 1470 Computer Science I
CSCI 1480 Computer Science II
CSCI 2320 Data Structures
CSCI 3190 Social Implications of Technology
Six hours of upper-level CSCI course credit (6 hours)

Information Systems Requirement: 30 hours^

+CSCI 1340 Introduction to Programming **or** MIS 3335 Programming using Scripting Languages
+MIS 3365 Database Applications **or** CSCI 3360 Database Systems
+MIS 3363 Telecommunications and Computer Networks I **or** CSCI 3335 Networking
+CSCI 3381 Object-oriented Software Development with Java **or** MIS 4339 Programming in Java II
MIS 4328 Systems Analysis and Design **[UD UCA Core: C]**
CSCI 3275 **or** MIS 3382 Internship (or one advanced CS/MIS course approved by chair); a maximum of six hours of internship may count for the degree
+MIS 4360 Principles of Information Security **or** CSCI 4315 Information Security
MIS 4355 Project Management **[UD UCA Core: Z]**
CSCI 4305 Linux/Unix **or** CSCI 4365 Web Technology **or** CSCI 4370 Data Mining **or** MIS 4329 Database Management Systems **or** MIS 4366 Advanced Web Design **or** MIS 4370 Advanced Web Design with Databases
3 hours advanced course electives in CSCI/MIS/QMTH (**or** MATH 3311 Statistical Methods II **or** WRTG 3310 Technical Writing **or** a second internship)

^Note: six hours of advanced CS courses are required for the CS Minor. These six hours may come from courses required as part of the 30 hours in Information Systems. However, if any hours from the Information Systems requirement are used to fulfill the CS Minor, students must replace those hours with any elective upper-division CSCI/MIS/QMTH hours. Students must have eighteen (18) hours of CSCI courses for the CS Minor plus thirty (30) hours of Information Systems course credit (for a total of 48 hours for both).

+Students may receive credit for only one of these two course sequences.

[4] Practical Work Experience for Credit – Internships and Projects

The MIS and CS Departments offer credit for practical work experience in the discipline. Students may intern with an employer during any semester or across semesters as best fits the needs of the student and the employer. Students may also work with faculty on a project of interest to both the student and the faculty member. Internship credit (MIS 3382, MIS 4382, CSCI 3275) and project credit (MIS 4380) provide upper-division MIS credit to the student and serve as hours in the major

for all MIS concentrations, for General Business, or for the BS in Information Systems. See the MIS or CS Department chair for more information.

[5] Honors in Management Information Systems

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

The MIS department is pleased to offer an opportunity for outstanding students to pursue the Honors in Management Information Systems program. This includes students in any of the three degree programs in the department (BBA-MIS, BBA-General Business, BS-Information Systems). Students with senior status and overall and major grade point averages of 3.25 are eligible to apply for participation in this program. Honors scholars in MIS must successfully complete MIS 4370 or 4390 under the direction of an MIS faculty member. Students who qualify and are interested should apply to the MIS Department Chair. Participation is not assured even if the grade point average thresholds are met.

[6] Course Links

[6.1] Courses in Management Information Systems (MIS)

Follow this link for MIS course descriptions: course link.

[6.2] Courses in Computer Science (CSCI)

Follow this link for CSCI course descriptions: course link.

[6.3] Courses in Quantitative Methods (QMTH)

Follow this link for QMTH course descriptions: course link.

Department of Marketing and Management

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-business/marketing-and-management/

Chair and Professor: M. Rubach (PhD, JD), 450-3149
Professor: J. Cangelosi (DBA), A. Chen (PhD)
Associate Professor: D. Fisher (PhD), M. Hargis (PhD), D. Kim (PhD), S. Myers (PhD), S. Nadler (PhD), D. Voss (PhD)
Assistant Professor: Y. Chan (PhD), R. Duggins (EdD), V. Lewis (EdD), L. Lyons (PhD), D. McCalman (PhD), P. Woodroof (PhD)
Senior Lecturer: M Carson (MS)
Lecturer I / Executive in Residence: B. Doshier (BS), D. Isanhart (MBA)

[1] Objectives

The Department of Marketing and Management offers major programs of study designed to prepare students for careers in four key areas of business: marketing, management, innovation and entrepreneurship, and logistics and supply chain management. The marketing major provides a background for employment opportunities in promotion, retailing, sales, and marketing management. The management major develops decision-making, organizing, and interaction skills needed at all

levels of administration. The new innovation and entrepreneurship major provides creative and practical knowledge and experience needed to become a successful business owner or valued asset in corporate, governmental, and non-profit organizations across a variety of fields. The logistics and supply chain management major provides the skills necessary to transport, warehouse, manufacture and procure goods in the global economy.

[2] Honors in Marketing, Management, and Innovation & Entrepreneurship

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Seniors, majoring in marketing, management, innovation and entrepreneurship, or logistics and supply chain management and having a cumulative GPA of 3.25, may be nominated by faculty or may request to pursue recognition of Honors in the Major. Students will complete a course for credit and complete a faculty-approved project to fulfill Honors in the Major criteria. Courses and projects appropriate to each major should be discussed with and pre-approved by faculty in the selected major. Honors in the Major projects must demonstrate significant learning and rise to the high expectations of exemplary performance as judged by the faculty.

[3] Baccalaureate Degree: Bachelor of Business Administration

[3.1] Management

The degree of Bachelor of Business Administration with a major in management requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major courses; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) electives to bring total credit hours to 120.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1.1] Major in Management (24 hours)

Required Management Major Core (9 hours):

MGMT 3346 Strategic Human Resource Management
MGMT 4341 Quantitative Methods in Management
MGMT 4348 Advanced Organizational Behavior **[UD UCA Core: C]**

Electives (15 hours required) of upper-division management courses chosen from:

MGMT 3300 Labor/Management Relations
MGMT 3305 Social Issues in Management
MGMT 3310 Fundamentals Entrepreneurship

MGMT 3315 International Business Communications **[UD UCA Core: C]**
MGMT 3342 International Business
MGMT 3349 Small Business Management
MGMT 3350 Compensation Administration
MGMT 3351 Contemporary Issues in Human Resource Management
MGMT 3352 Purchasing & Materials Management
MGMT 3365 Transportation and Motor Carrier Management
MGMT 3375 Supply Chain Management
MGMT 3382 Internship in Management
MGMT 4315 Employee Benefits
MGMT 4320 Selected Topics in Management
MGMT 4345 Governance of the Sustainable Organization
MGMT 4376 New Venture Creation
MGMT 4382 Internship in Management
MGMT 4385 Safety and Motor Carrier Policy **[UD UCA Core: C]**
MGMT 4390 Special Problems in Management

Maximum of 2 marketing courses may be taken as management major electives:

MKTG 3351 Retail Management & E-Commerce
MKTG 3372 Sales Management
MKTG 4355 Marketing Management **[UD UCA Core: C]**

[3.1.2] Minor in Management (18 hours)

A minor in Management requires 18 unique hours, that is, these 18 hours may not be used for any other major or minor.

Required course (3 hours):

MGMT 2341 Principles of Management (students outside the College of Business) or
MGMT 3340 Managing People & Work **[UD UCA Core: D, R]** (students seeking a BBA)

Electives (15 hours) chosen from the following:

MGMT 3300 Labor / Management Relations
MGMT 3305 Social Issues in Management
MGMT 3310 Fundamentals of Entrepreneurship
MGMT 3315 International Business Communications **[UD UCA Core: C]**
MGMT 3342 International Business
MGMT 3344 Operations and Supply Chain Management
MGMT 3346 Strategic Human Resource Management
MGMT 3349 Small Business Management
MGMT 3350 Compensation Administration
MGMT 3351 Contemporary Issues in Human Resource Management
MGMT 3352 Purchasing and Materials Management
MGMT 3365 Transportation and Motor Carrier Management
MGMT 3375 Supply Chain Management
MGMT 4315 Employee Benefits
MGMT 4320 Selected Topics in Management

MGMT 4341 Quantitative Methods in Management
MGMT 4345 Governance of the Sustainable Organization
MGMT 4348 Advanced Organizational Behavior
MGMT 4376 New Venture Creation
MGMT 4385 Safety and Motor Carrier Policy **[UD UCA Core: C]**
MGMT 4390 Special Problems in Management
MKTG 2350 Basic Marketing
MKTG 3351 Retail Management & E-Commerce
MKTG 3372 Sales Management

- Only three credit hours may be MKTG courses.
- No courses can count as credit for both a major and a minor.

[3.2] Marketing

The degree of Bachelor of Business Administration with a major in marketing requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major courses; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) electives to bring total credit hours to 120.

[3.2.1] Major in Marketing (24 hours)

Required Marketing Major Core (9 hours):

MKTG 4353 Marketing Research and Data Management
MKTG 4354 Consumer Behavior
MKTG 4355 Marketing Management **[UD UCA Core: C]**

Electives (15 hours) chosen from:

MKTG 3351 Retail Management & E-Commerce
MKTG 3355 Marketing and New Media: Social Media and Emerging Trends
MKTG 3356 Fashion Merchandising and E-Commerce
MKTG 3360 Fundamentals of Strategic Selling
MKTG 3371 Advertising
MKTG 3372 Sales Management
MKTG 3373 Public Relations
MKTG 3382 Internship in Marketing
MKTG 4320 Selected Topics in Marketing
MKTG 4360 Health Care Marketing
MKTG 4361 Marketing Planning for Health Care Organization
MKTG 4362 Services Marketing
MKTG 4370 Fundamentals of Direct Marketing
MKTG 4382 Internship in Marketing
MKTG 4V90 Special Problems in Marketing

Maximum of 2 management courses may be taken as marketing major electives:

MGMT 3305 Social Issues in Management
MGMT 3310 Fundamentals of Entrepreneurship
MGMT 3315 International Business Communications **[UD UCA Core: C]**
MGMT 3342 International Business
MGMT 3346 Strategic Human Resources Management (replaces Personnel/HR Management)
MGMT 3349 Small Business Management
MGMT 3352 Purchasing and Materials Management
MGMT 3365 Transportation and Motor Carrier Management
MGMT 3375 Logistics Strategy

[3.2.2] Minor in Marketing (18 hours)

A minor in Marketing requires 18 unique hours, that is, these 18 hours may not be used for any other major or minor.

Required course (3 hours):

MKTG 2350 Basic Marketing (students outside the College of Business) or
MKTG 3350 Principles of Marketing (student seeking a BBA)

Electives (15 hours) chosen from the following:

MKTG 3351 Retail Management & E-Commerce
MKTG 3355 Marketing & New Media: Social Media and Emerging Trends
MKTG 3356 Fashion Merchandising and E-Commerce
MKTG 3360 Fundamentals of Strategic Selling
MKTG 3371 Advertising
MKTG 3372 Sales Management
MKTG 3373 Public Relations
MKTG 4320 Selected Topics in Marketing
MKTG 4353 Marketing Research and Data Management
MKTG 4354 Consumer Behavior
MKTG 4360 Health Care Marketing
MKTG 4361 Marketing Planning for Health Care Organizations
MKTG 4362 Services Marketing
MKTG 4370 Fundamentals of Direct Marketing
MKTG 4V90 Special Problems in Marketing
MGMT 2341 Principles of Management
MGMT 3305 Social Issues in Management
MGMT 3310 Fundamentals of Entrepreneurship
MGMT 3315 International Business Communications **[UD UCA Core: C]**
MGMT 3342 International Business
MGMT 3346 Strategic Human Resource Management
MGMT 3349 Small Business Management
MGMT 3352 Purchasing and Materials Management
MGMT 3365 Transportation and Motor Carrier Management
MGMT 3375 Logistics Strategy

- Only three credit hours may be Management courses

- No courses can count as credit for both a major and a minor.

[3.3] Innovation and Entrepreneurship

The degree of Bachelor of Business Administration with a major in Innovation and Entrepreneurship requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major courses ; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) electives to bring total credit hours to 120.

[3.3.1] Major in Innovation and Entrepreneurship (24 hours)

Required:

ACCT 3376 Taxation for Entrepreneurs
FINA 4376 Entrepreneurial and Small Business Finance
MKTG 3376 New Product Development
MGMT 3346 Strategic Human Resources Management
MGMT 3349 Small Business Management
MGMT 4376 New Venture Creation **[UD UCA Core: C]**
Plus any two upper-division elective courses in consultation with the academic advisor.

[3.3.2] Minor in Innovation and Entrepreneurship (18 hours)

Required/Foundation Courses (6 hours):

MGMT 3310 Fundamentals of Entrepreneurship
MGMT 3349 Small Business Management

Required Capstone Course (3 hours):

MGMT 4376 New Venture Creation **[UD UCA Core: C]** (Note: This course should be taken in the final semester.)

Elective Courses (9 hours):

In consultation with an advisor, students select three elective courses (nine hours), including at least one course outside of Marketing and Management. The courses will consist of 3000- and 4000-level courses from the traditional business disciplines of Accounting, Marketing, Management, Insurance and Risk Management, Finance, Economics, Management Information Systems, and Quantitative Methods. Student should also be aware of internship opportunities in several of the aforementioned disciplines. Students should consider classes that complement their specific innovation and entrepreneurship interests. Students will be encouraged to present their work at public or scholarly venues at the completion of the minor.

[3.4] Logistics and Supply Chain Management

The degree of Bachelor of Business Administration with a major in Logistics and Supply Chain Management requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated BBA foundation, core, and major

courses; (2) the BBA foundation and core requirements; (3) the major requirements listed below; and (4) electives to bring total credit hours to 120.

[3.4.1] Major in Logistics and Supply Chain Management (24 hours)

Required Logistics and Supply Chain Core (18 hours):

MGMT 3346 Strategic Human Resource Management
MGMT 3352 Purchasing and Materials Management
MGMT 3365 Transportation and Motor Carrier Management
MGMT 3375 Supply Chain Management
MGMT 4341 Quantitative Methods in Management
MGMT 4385 Safety and Motor Carrier Policy **[UD UCA Core: C]**

Electives (6 hours required) chosen from the following courses:

INSU 3320 Property and Liability Insurance
MGMT 3300 Labor/Management Relations
MGMT 3342 International Business
MGMT 3349 Small Business Management
MGMT 3350 Compensation Administration
MGMT 3382 Internship in Management
MGMT 4345 Governance of the Sustainable Organization
MGMT 4382 Internship in Management
MGMT 4390 Special Problems in Management
MIS 3343 Advanced Spreadsheet Applications
MIS 4355 Project Management
MKTG 3360 Fundamentals of Strategic Selling
MKTG 4362 Services Marketing

Minor in Logistics and Supply Chain Management (18 hours)

A minor in Logistics and Supply Chain Management requires completion of the following courses (18 hours):

MGMT 3346 Strategic Human Resource Management
MGMT 3352 Purchasing and Materials Management
MGMT 3365 Transportation and Motor Carrier Management
MGMT 3375 Supply Chain Management
MGMT 4341 Quantitative Methods in Management
MGMT 4385 Safety and Motor Carrier Policy **[UD UCA Core: C]**

This bulletin (Degree Requirements § 2.1.2, Major and Minor) provides that a course that is used to meet the requirements of a major may not also be used to meet the minor requirements. If a student has taken any of the above classes as part of his/her major, then the student, in consultation with an advisor and subject to approval by the department chair, shall select a substitute course at the 3000- or 4000-level.

[4] Course Links

[4.1] Courses in Management (MGMT)

Follow this link for Management course descriptions: course link.

[4.2] Courses in Marketing (MKTG)

Follow this link for MKTG course descriptions: course link.

College of Education

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-education/

Dean and Professor: V. Groves-Scott (EdD), (501) 450-5402
Associate Dean: D. Wake (EdD), (501) 450-5403
Director of Admissions / Licensure: G. Bunn (EdD), (501) 450-5057
Pre-Admission Education Advisor: W. Johnson, (501) 450-5306
Pre-Admission Education Advisor: N. Eslinger, (501) 450-1015
Technology Learning Center / Technology Specialist: A. Hankins (MA), (501) 450-3400

[1] Introduction

The College of Education at the University of Central Arkansas, as Arkansas's premier educator preparation college, is dedicated to providing exemplary programs for the preparation of professional educators, including teacher preparation, educational leadership, school counseling, library media, instructional technologies, higher education student personnel administration, and other related professional fields. With an emphasis on teaching, research, and service, the members of the College of Education, along with their counterparts in supporting programs across campus, demonstrate a commitment to the improvement of educational programs and services by collaboratively working with organizations that have teaching and human development as their mission. The professional education programs in the College prepare professionals who demonstrate the content, pedagogical, and professional knowledge, skills, and dispositions necessary to help all students learn.

To accomplish this mission the College of Education

- Provides programs of study at both the undergraduate and graduate levels based on empirically-supported pedagogical and clinical practices.
- Prepares educators to effectively teach and enhance learning conditions and outcomes for diverse learners.
- Promotes a commitment to understanding and working effectively with children and adults in geographically and culturally diverse settings.
- Employs a faculty who demonstrate excellence in teaching, scholarship, and service.
- Establishes a professional environment conducive to both student and faculty growth and development.
- Supports faculty to establish prominence and visibility through state and national professional contributions and to maintain UCA's prominence as the premier educator preparation institution in Arkansas.
- Maintains and supports resources such as the Technology Learning Center, the Child Study Center, partner schools, multimedia classrooms, and outreach programs such as the Mashburn Center for Learning, the Leadership Institute, and various summer camps.

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 members 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 (PEU) at the University of Central Arkansas. This vision is to enhance educator efficacy through reflective decision-making. The PEU defines reflective decision-makers as those who think systematically about their practice, engage in thoughtful assessment of their effectiveness, and attempt to understand the consequences of their actions while contemplating alternative possibilities.

The university's teacher preparation programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP) and approved by the Arkansas Department of Education. Questions about CAEP accreditation should be directed to

Council for the Accreditation of Educator Preparation
1140 19th Street, NW, Suite 400
Washington, DC, 20036
Telephone: (202) 223-0077
Web: http://www.caepnet.org/about/contact-us

Graduates of UCA's teacher education programs typically perform well on examinations of professional preparation. In Arkansas, the Department of Education provides the Praxis II pass rates for all teacher preparation units in the state to the U.S. Secretary of Education as mandated by the Higher Education Amendments of 1998. The pass rate for each academic year since 1999-2000 is published as part of the Title II Teacher Education Report Card. The pass rate is available to the public and may be accessed online at http://uca.edu/panda/panda-reports/title-ii-reports/.

The college is housed on campus in Mashburn Hall, and the Child Study Center is adjacent to the university campus. The college comprises three academic departments: Elementary, Literacy, and Special Education; Leadership Studies; and Teaching and Learning. The Office of Candidate Services coordinates teacher education admissions, early field experiences, internships, and licensure. The Technology Learning Center serves faculty, candidates, and the community with technology labs and with a media resource center for the design and development of instructional materials.

[2] College of Education and Professional Education Unit (PEU)

The Professional Education Unit (PEU) is the umbrella organization under which teaching faculty, academic administrators, and practicing professionals come together to collaborate on the design, delivery, approval, and accreditation of all education programs. The faculty number approximately 90 full-time and part-time, and the administrators represent over thirteen different instructional departments in five colleges. The Dean of the College of Education leads the PEU and provides university-wide coordination for all education programs, working in partnership with the other deans of the university.

Within the Professional Education Unit, the following functions are centralized in the College of Education in support of all teacher education programs at UCA:

- Formal admission to Teacher Education – Office of Candidate Services
- Admission to Internship – Office of Candidate Services
- Recommendations for Licensure – Office of Candidate Services
- Coordination for Program Accreditation – Dean of the College of Education

- Coordination of the PEU and Program Coordinators – Dean of the College of Education
- Oversight of the Professional Education Council (PEC) (the college-level policy and curriculum committee for all education programs at UCA) – Dean or Associate Dean of the College of Education

Within the PEU, most of the responsibilities for designing, implementing, and administering individual degree programs in teacher education are decentralized and assigned to different colleges and academic departments. Each program has a UCA faculty member who serves as the program coordinator in the department responsible for that program. Degree programs within the College of Education and the Professional Education Unit are listed below.

[2.1] College of Education and Professional Education Programs

Undergraduate Programs

- Elementary Education (Kindergarten–6th Grade), BSE
- Middle Level Education (4th–8th Grade), BSE
    - Language Arts/Social Studies/Mathematics/Sciences (choose two)
- Secondary Education (7th–12th Grade)
    - English, BA with Licensure
    - Family and Consumer Science, BSE
    - Mathematics (UCA STEMteach), BS
    - Science: Biology, Chemistry, Physics (UCA STEMteach), BS
    - Social Studies, BSE
- Elementary/Secondary Education Programs (Kindergarten–12th Grade)
    - Art, BA with Licensure
    - Foreign Language: Chinese, French, and Spanish, BA with Licensure
    - Kinesiology/Physical Education/Health, BSE
    - Music: Instrumental/Vocal, BM with Licensure
    - Special Education, BSE

Graduate Programs (See the Graduate Bulletin for more details.)

- Graduate Program (Initial Licensure)
    - Master of Arts in Teaching – post-baccalaureate teacher preparation program
- Graduate Programs (Master's Degrees, Licensure Endorsements, Graduate or Post-Master's Certificates)
    - Advanced Studies in Teacher Leadership (degree)
    - College Student Personnel Services and Administration(degree)
    - Dyslexia Therapist (licensure endorsement, graduate certificate)
    - Early Childhood/Special Education Integrated Birth-Kindergarten (licensure endorsement, graduate certificate)
    - Gifted and Talented Education (licensure endorsement, graduate certificate)
    - Instructional Technology (degree, graduate certificates)
    - Library Media and Information Technologies (degree)
    - Reading (degree)
    - School Counseling (degree)

    - School Leadership, Management, and Administration (degree, licensure endorsements, post-master's certificates)
    - School Psychology (degree)
    - Special Education (degree, licensure endorsement, graduate certificate)
- Graduate Program (Specialist Degree, Licensure Endorsement, Post-Master's Certificate)
    - Educational Leadership
- Graduate Programs (Doctoral Degrees)
    - Leadership Studies
    - School Psychology

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

The state of Arkansas requires all applicants for a teacher's license, within one year of making application for the teaching license, to be fingerprinted, to undergo a successful background checks from the FBI and the Arkansas State Police, to have clearance from the Arkansas Child Maltreatment Registry, and to complete the maltreatment mandated reporter training as specified by Act 1236 of 2011. 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 teaching license in the state of Arkansas, then this information may become grounds to refuse admission to or retention in the teacher education program.

Programs in the College of Education that lead to licensure relating to K–12 schools require a passing score on the appropriate Praxis exam(s) and satisfactory completion of all key assessments identified by the individual program area. Candidates cannot complete their program unless both of these criteria have been met. Individual programs may have additional entrance and exit requirements.

[3.1] Admission and Exit Requirements

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

Candidates seeking admission into Level I of the teacher education program will initiate the process for admission in the Office of Candidate Services upon completion of minimum requirements mandated by the Arkansas Department of Education and the University of Central Arkansas. Full admission will not be granted to candidates enrolled in prerequisite courses until those courses are successfully completed. Level I admission is required for enrollment in designated upper-division professional education courses.

During the semester candidates seek Level I admission, they will submit the Admission Affidavit (item A below) to the Office of Candidate Services where an active file on each candidate initiating the process of admission will be maintained. The Office of Candidate Services will verify items B-F below, and place the appropriate data on each candidate into the College of Education candidate database. Level I applicants are also responsible for securing faculty recommendations (item G below) and successful completion of an entrance interview (item H below).

The following minimum requirements must be met for admission to the teacher education program. Individual programs may have further requirements for admission.

1. Submission of an Admission 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). This form must be submitted in person to the Office of Candidate Services (Mashburn 119) during the semester the candidate is seeking admission into the teacher education program. Effective 1-19-2011, candidates applying for admission must have an approved background check. Effective 8-1-2011, candidates placed in an early field experience must have an approved background check. Information regarding acceptable background checks is available in the Office of Candidate Services, Mashburn 119.
2. Submission of Internship Waiver. This form was completed in EDUC 1300 (or upon arrival for transfer students); however, candidates seeking admission will want to verify that their signed form is on file.
3. A cumulative 2.7 GPA on all coursework attempted. Prior to full admission, transfer students with no previous coursework at UCA must also establish a 2.7 GPA in a minimum of twelve semester hours completed at UCA.
4. Courses in written communication (WRTG 1310 and 1320), oral communication (COMM 1300), mathematics (MATH 1360 or above), and Education as a Profession (EDUC 1300 for middle level and secondary majors) or Foundations for Elementary and Special Educators (ELSE 2300 for elementary and special education majors), must be completed with no grade less than a C. Some majors require College Algebra (MATH 1390) for admission. Additionally, candidates must pass the Educational Technology Competency Exam OR successfully complete with a grade of C or better a computer literacy class emphasizing Microsoft competencies – an appropriate community college technology class, EDUC 1240 (offered summer only), MIS 2343, or CSCI 1300. Computer literacy tutorial opportunities are available online or through UCA Outreach and Community Engagement workshops.
5. Submission of satisfactory high school ACT/SAT scores or completion of the Praxis Core test according to current state-established minimum scores: Praxis Core Reading 172; Praxis Core Math 171; Praxis Core Writing 173. Candidates are advised to take the Praxis Core during the freshman year. Admission to the program will be delayed until minimum scores on each section are achieved. The UCA Writing Center offers one-on-one Praxis Core training for the reading and writing portions of the exam; the Tutoring Services Center provides preparation for the mathematics portion of the exam. The College of Education's Office of Candidate Services also provides online resources to assist candidates with preparation for the Praxis Core reading, writing, and mathematics exams.
6. Successful completion of forty-five semester credit hours.
7. Submission of two recommendations for admission from UCA faculty (one recommendation must be completed by the instructor of EDUC 1300 or ELSE 2300). Candidates must complete the Teacher Recommendation Request Form for each of the selected UCA faculty to request a recommendation for admission.
8. Successful candidate interview and recommendation for admission by major area faculty. Candidates will register for the interview in the Office of Candidate Services. Interview dates may not be scheduled prior to the mid-term of any semester. Items A–F will be forwarded to the candidate's major academic department prior to the interview dates established by the department.

The Office of Candidate Services 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 for candidates seeking admission for the following spring semester.
November 1	Final date for completion of admission requirements for candidates seeking full admission the following spring semester.
March 1	Final date interview registration or candidates seeking admission for the following summer or fall semester.
April 1	Final date for completion of admission requirements for candidates seeking full admission the following summer or fall semester.
*July 1	Final date for interview registration for candidates seeking admission for the following fall semester.
*August 1	Final date for completion of admission requirements for candidates seeking full admission the following fall semester.

*Summer interviews are offered at the discretion of the academic department.

[3.1.2] Level II Admission

Level II of the teacher education program consists of a one-semester full-time placement (Internship II) in an accredited and approved public school setting. During this time the candidate will be placed with a mentor teacher who is fully licensed in the candidate's major area of study. Candidates will be admitted into Level II of the teacher education program upon successful completion of the following:

- Minimum cumulative and major GPA of 2.7
- Acceptable scores on the summative performance evaluation from Internship I
- Recommendation of major area faculty
- Submission of scores on the Praxis II subject area exam(s)
- Completion of all major and professional education requirements with a grade of C or better

[3.1.3] Level II Exit Requirements

- Minimum cumulative and major GPA of 2.7
- Acceptable scores on the Internship II summative performance evaluation.
- Submission of scores on the Praxis II Principles of Learning and Teaching or subject-specific pedagogy exam
- Completion of Internship II with a grade of C or better

[3.1.4] Program Exit Requirements

- Baccalaureate degree
- Minimum cumulative and major GPA of 2.7

- Successful completion of the Praxis II subject area exam(s)
- Successful completion of the Praxis II Principles of Learning and Teaching or subject-specific pedagogy exam

[3.2] Retention in Teacher Education

Following acceptance to a teacher preparation program, a candidate's good standing will be reviewed before admission to Level II and upon completion of Level II and possibly revoked by program faculty if

1. The candidate fails to exhibit responsible and professional behavior in all classes, field experiences, and interactions with peers and faculty, as judged by the program faculty, mentor teachers, and other school personnel.
2. The candidate violates the student code of conduct or criminal law.
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 2.7.
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 appropriate representative in Candidate Services, and the Assistant Dean in the College of Education.

[3.2.1] 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 appropriate representative in Candidate Services, 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 experience course.

[3.2.2] Placement Decisions

Academic program areas and the appropriate representative in Candidate Services will determine field placements (including Internship I and II).

[3.2.3] Appeals of Admission, Retention, and Placement Decisions

If the candidate so desires, he/she may submit a formal appeal of an admission, retention, or placement decision related to these policies. The candidate must first request exception to the policy in writing to the program coordinator and department chair. An appeal must be based on exceptional and extenuating circumstances and other pertinent information not previously available or considered. Should the request be granted, the program coordinator and department chair will send written notification of the exception with their signatures to the Office of Candidate Services. If the candidate is not satisfied with the decision of the program coordinator/department chair, he/she may appeal to the next level. This second-level formal appeal must be submitted in writing to the Dean of the College of Education (COE) within **five** business days of being notified of the departmental appeal decision. The COE Dean will transmit the appeal to the Standard 1 Standing Committee. If the candidate is not satisfied with the decision of the committee, he/she may make formal appeal to the COE Dean in writing within **five** business days of the committee's decision. If unsatisfied with the Dean's decision, the candidate may appeal to the Provost in writing within **five** business days of the Dean's decision.

All appeals concerning Internship II policies should be submitted by October 15 for spring Internship II and by February 15 for fall Internship II.

[4] Courses in Education (EDUC)

Follow this link for EDUC course descriptions: course link.

Department of Elementary, Literacy, and Special Education

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-education/department-of-elementary-literacy-and-special-education/

Chair and Associate Professor: B. Keith Lenz, (PhD), 450-5429
Professor: P. Kohler-Evans (PhD)
Associate Professor: K. Atkins (EdD), C. Barnes (EdD), S. Feng (EdD), J. Filer (PhD)
Assistant Professor: M. Pearson (PhD)
Senior Clinical Instructor: D. Barnes (MSE), D. Barrington (MSE)
Clinical Instructor II: L. Herrington (MSE), D. Cain (MSE)
Clinical Instructor I: J. Dallas (MSE), A. Greenland (MSE)
Child Study Center Instructor: B. Payne (MSE), R. Rowell (BS), D. Storment (BS), M. Gavel (BSE)

[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 K-12 schooling, (c) provide service to

agencies and organizations that interface with K-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 NCATE/CAEP.

[2] Honors in Elementary, Literacy, and Special Education

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

To graduate with honors, the following conditions must be met: (1) Consent of the chair of the department; (2) 3.00 grade point average on all work attempted; (3) Successful completion of ECSE 2303.

[3] Baccalaureate Degree: Bachelor of Science in Education

The department offers the Bachelor of Science in Education (BSE) degree with a major in Elementary Education K-6 and the Bachelor of Science in Education (BSE) degree with a major in Special Education K-12. A general description and course requirements of the Elementary Education K-6 major are outlined in section 3.1 while section 3.2 provides the same information on the Special Education K-12 major.

Note: Courses with the subject prefix ELSE carried the subject prefix ECSE through the spring semester 2015.

[3.1] Major in Elementary Education K-6 (123 hours + Educational Technology Prerequisite)

The performance based undergraduate program in elementary education is designed to prepare candidates for positions as teachers in grades K-6. Upon completion of the program, candidates are expected to: (a) understand and apply knowledge related to the social, historical, and philosophical foundations of elementary education; (b) possess knowledge and skills to effectively teach all content areas including literacy/reading, mathematics, science, and social studies; (c) know the way children learn and develop; (d) use knowledge of how children learn and develop to design and implement age appropriate instruction; (e) understand language acquisition, cultural influences on learning, emotional and social development, exceptionalities, diverse student populations, inclusion and equity in classrooms and schools; (f) integrate technology into instruction and learning; (g) use research and developmentally appropriate practices in their teaching; and (h) know the roles and responsibilities of the profession of teaching.

Follow this link for Admission to Teacher Education/Retention/Licensure information.

The degree requires the successful completion of 123 hours including: (1.) UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated Elementary and Special Education courses. HIST 2301 or 2302, MATH 1390, PHYS 1400 and PSCI 1330 should be selected within the lower-division core because these courses fulfill both UCA Core requirements and program requirements; (2) professional education courses; (3) academic content courses; (4) and related requirements.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division

C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Professional Education (65 semester hours):

ELSE 2300 Foundations for Elementary and Special Educators
HIST 2304 Instructional Strategies for K-6 Social Studies
ELSE 3301 Development and Learning Theories
ELSE 3305 Integrated Approaches to Child and Young Adult Literature
ELSE 3308 Foundations of Diverse Learners
ELSE 4305 Literacy Assessment and Intervention
ELSE 4307 Instructional Programming for Diverse Learners **[UD UCA Core: D, R]**
ELSE 4309 Positive Classroom Environment
ELSE 4310 Junior Block Practicum
ELSE 4311 Foundations of Reading
ELSE 4315 Workshop Approach to Teaching Writing in the K-12 Classroom **[UD UCA Core: C]**
ELSE 4316 Instructional Strategies for Math and Science
ELSE 4318 Internship I
ELSE 4319 Guidance and Management of Children
ELSE 4320 Elementary Reading Methods
ELSE 4330 Integrated Curriculum and Assessment Planning
ELSE 4331 Data Driven Instructional Planning **[UD UCA Core: I]**
ELSE 4603 Internship II **[UD UCA Core: Z]**
ELSE 4604 Internship II **[UD UCA Core: Z]**
EDUC 4210 Integration of Technology into Teaching and Learning
Educational Technology prerequisite: EDUC 1240, CSCI 1300, MIS 2343
OR
Educational Technology Competency Test Educational Technology prerequisite and ELSE 2300 must be completed prior to admission to the teacher education program.

Academic Core Requirements (20 semester hours):

HIST 3310 Social Science Concepts in Arkansas History
MATH 3351 Number Systems: Integers
MATH 4310 Geometry & Measurement Topics for Elementary Teachers
MATH 3352 Number Systems: Real Math
SCI 4410 Concepts in Science
SCI 3410 Earth Science

In addition, MATH 1390 and PHYS 1400 must be taken if not completed as part of the lower-division UCA Core (general education) requirement.

Delivery of courses

With the exception of the lower-division UCA Core, ELSE 2300, ELSE 3301, ELSE 3305, ELSE 3308, MATH 3351, MATH 3352, MATH 4310, ELSE 4330, SCI 3410, SCI 4410, HIST 3310, and educational technology prerequisite, 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. All other courses must be taken prior to entry into Junior Block.

Junior Block: ELSE 4307, 4309, 4310, 4311, and 4315 must be taken during the same semester, with field experiences on Tuesday, 8:00-2:00. All Junior Block courses and requirements must be successfully completed before entering Internship I.

Internship I: ELSE 4305, 4316, 4318, 4319, 4320, and 4331 must be taken during the same semester, with field experiences on Tuesdays from 8:00-4:00 and Thursdays from 8:00-12:00. All program courses (i.e. General Education, Professional Education, Academic Content, Internship I courses and requirements, and related courses) and the Praxis II Content Exam must be successfully completed before entering Internship II.

Internship II: ELSE 4603, 4604, with daily field experiences, 8:00-4:00.

[3.2] Major in Special Education K–12 (122 hours + Educational Technology Prerequisite)

The department offers the Bachelor of Science in Education (BSE) degree with a major in Special Education K-12. The performance based undergraduate program in special education is designed to prepare candidates for positions as special education teachers in grades K-12. The program recognizes the changing and complex role of the special educator and as such prepares the candidates to (1) provide support and instruction to students with cognitive, physical, behavior, multiple, and/or health disabilities from kindergarten through 12th grade; (2) work in different educational settings such as self-contained, resource, and regular classrooms; (3) access the general education curriculum demonstrating a strong knowledge and skill set in academic content areas for instructing students with disabilities; (4) effectively collaborate and work closely with general education teachers, related service personnel, administrators, and families to ensure all students are given every opportunity to reach their full potential; (5) understand language acquisition, cultural influences on learning, emotional and social development, exceptionalities, diverse student populations, inclusion and equity in classrooms and schools; (6) understand and apply knowledge related to the social, historical, and philosophical foundations of special education; (7) integrate technology into instruction and learning; (8) use research and developmentally appropriate practices in their teaching; and (9) know the roles and responsibilities of the profession of teaching.

Follow this link for Admission to Teacher Education/Retention/Licensure information.

The degree requires the successful completion of 122 hours including: (1) UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated Elementary and Special Education courses. HIST 2301 or 2302, MATH 1390, PHYS 1400 and PSCI 1330 should be selected within the lower-division core because these courses fulfill both UCA Core requirements and program requirements; (2) professional education courses; (3) academic content courses; (4) and related requirements.

Professional Education (68 semester hours):

ELSE 2300 Foundations for Elementary and Special Educators
ELSE 3301 Development and Learning Theories
ELSE 3308 Foundations of Diverse Learners
ELSE 4301 Math and Science for Diverse Learners
ELSE 4302 Behavior Guidance for the Diverse Classroom

ELSE 4303 Current Issues and Trends in Special Education
ELSE 4305 Literacy Assessment and Intervention
ELSE 4306 Educational Programming for Middle and Secondary Learners with Mild Disabilities
ELSE 4307 Instructional Programming for Diverse Learners **[UD UCA Core: D, R]**
ELSE 4308 Educational Programming for Students with Significant Disabilities
ELSE 4309 Positive Classroom Environment
ELSE 4310 Junior Block Practicum
ELSE 4311 Foundations of Reading
ELSE 4315 Workshop Approach to Teaching Writing in the K-12 Classroom **[UD UCA Core: C]**
ELSE 4320 Elementary Reading Methods
ELSE 4324 Special Education Practicum – Elementary
ELSE 4325 Special Education Practicum – Secondary
ELSE 4330 Integrated Curriculum and Assessment Planning
ELSE 4331 Data-Driven Instructional Planning **[UD UCA Core: I]**
ELSE 4603 Internship II **[UD UCA Core: Z]**
ELSE 4604 Internship II **[UD UCA Core: Z]**
EDUC 4210 Integration of Technology into Teaching and Learning
Educational Technology prerequisite: EDUC 1240, CSCI 1300, MIS 2343
OR
Educational Technology Competency Test

Educational Technology prerequisite and ELSE 2300 must be completed prior to admission to the teacher education program.

Academic Core Requirements (16 semester hours):

MATH 3352 Number Systems: Reals
MATH 3364 Concepts of Geometry and Measurement
MSIT 4325 Disciplinary Literacy
SCI 4410 Concepts of Science

In addition, MATH 1390 and PHYS 1400 must be taken if not completed as part of the general education requirement.

Delivery of courses

With the exception of the lower-division UCA Core, ELSE 2300, ELSE 3301, ELSE 3305, ELSE 3308, ELSE 4330, MATH 3351, MATH 3352, MATH 4310, SCI 3410, SCI 4410, HIST 3310 and educational technology prerequisite, all requirements must be completed after admission to the teacher education program (no later than second semester sophomore year). Several courses are scheduled to form blocks, and these courses must be taken simultaneously. All other courses must be taken prior to entry into Junior Block.

Junior Block: ELSE 4307, 4309, 4310, 4311, and 4315 must be taken during the same semester, with field experiences. All Junior Block courses and requirements must be successfully completed before entering Internship IA or Internship IB.

Internship IA: ELSE 4303, 4306, 4320, 4325, and MSIT 4325 (15 hrs.) must be taken during the same semester. Internship IA may be completed before or after Internship IB.

Internship IB: ELSE 4301, 4302, 4305, 4308, 4324, and 4331 must be taken during the same semester. Internship IB may be completed before or after Internship IA.

Internship II: ELSE 4603, 4604, with daily field experiences, 8:00-4:00 (i.e., General Education, Professional Education, Academic Content, Internship I courses and requirements, and related courses) and the Praxis II Content Exam must be successfully completed BEFORE entering Internship II.

[3.2.1] Minor in Special Education

This minor in Special Education is designed to build a basic knowledge and understanding of disabilities by introducing students to (1) types of disabilities/conditions, (2) current laws and trends guiding community and educational services to individuals with disabilities, and (3) educational and behavioral strategies for working effectively with individuals with disabilities. **The minor program is designed for non-education majors and does not lead to Arkansas teacher licensure in special education.** The minor in Special Education includes the following 18 hours of upper division special education courses. Course substitutions are not allowable.

ELSE 3301 Development and Learning Theories
ELSE 3308 Foundations of Diverse Learners
ELSE 4302 Behavior Guidance for the Diverse Classroom
ELSE 4303 Current Issues and Trends in Special Education
ELSE 4306 Educational Programming for Middle and Secondary Learners with Mild Disabilities
ELSE 4308 Educational Programming for Students with Significant Disabilities

[4] Course Links

[4.1] Courses in Education (EDUC)

Follow this link to descriptions for EDUC courses: course link.

[4.2] Courses in Elementary, Literacy, and Special Education (ELSE)

Follow this link for ELSE course descriptions: course link.

Department of Teaching and Learning

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-education/department-of-teaching-and-learning/

Professor and Chair: M. Mills (EdD), 852-2965
Professor: T. Benson (EdD), N. Gallavan (PhD), P. Phelps (EdD), J. Whittingham (PhD)
Associate Professor: A. Cotabish (EdD), D. Wake (EdD),
Assistant Professor: D. Dailey (EdD), R. Miller (EdD), J. Trumble (EdD)
Clinical Instructor II: M. Cawein (MSE), S. Ward (MSE)
Clinical Instructor I: M. Buchanan (MSE), A. Dyson (MSE), T. Hendrix (MSE), C. Hogan (MSE), T. Johnson (MSE), S. Styles-Foster (MSE), C. Voegele (MSE)

[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 and reflective decision makers, (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 primary 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.

[2] Curricula

Programs within the Department of Teaching and Learning include middle-level education and specific courses for secondary education licensure. The department offers the Bachelor of Science in Education (BSE) degree in Middle Level Education (4-8).

Candidates interested in teaching at the K–12 or 7–12 level should contact specific program coordinators. Teacher education programs at the **K–12** level are offered in Art Education, Chinese Education, Health/Kinesiology & Physical Education, French Education, Music Education, and Spanish Education. Teacher education programs at the **7–12** level are offered in English Education, Family and Consumer Science Education, Math Education (STEMteach), Science Education (STEMteach), and Social Studies Education. For more information, see initial licensure programs offered at the following link: http://uca.edu/ocs/initial-licensure-programs/.

[2.1] Honors in Teaching and Learning

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

To graduate with honors, the following conditions must be met: (1) Consent of the chair of the department; (2) 3.00 grade point average on all work attempted; (3) Successful completion of a special problems course.

[2.2] Bachelor of Science in Education

[2.2.1] Middle-Level Education, Grades 4-8

The degree of Bachelor of Science in Education requires successful completion of 121 hours (122 hours if a math and science track), including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses; (2) professional education courses; (3) courses from two of the four content tracks: Language Arts, Social Studies, Mathematics, and Sciences; and (4) meet licensure requirements established by the Arkansas Department of Education.

Delivery of courses: With the exception of EDUC 1300, 1240 or other approved computer literacy course, MSIT 3310, 3320, and 4325, all other professional education courses must be completed after level 1 admission to the teacher education program. Also, several of the content courses in the Language Arts, Social Studies, Mathematics, and Science tracks must be taken after admission to the teacher education program. Several professional education and content courses are scheduled to form blocks, and these courses must be taken together. Consult with the program coordinator for details. Note that, because of the nature of middle-level licensure in Arkansas, a grade of “C” or higher is required for all professional education courses, including content track courses.

For specific course information about Middle Level Education, see http://uca.edu/academicmaps/

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[2.2.1.1] Required Professional Education Core Courses:

Professional Education Core courses are used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication. Students will take MSIT 4613 and 4614 Internship II to satisfy the required UCA Core capstone.

EDUC 1300 Education as a Profession
EDUC 1240 **or** related approved computer literacy course **or** Competency Test (http://uca.edu/tlc/compexam/)
EDUC 3322 Diverse Learners in Inclusive Settings
EDUC 4210 Integration of Technology in Teaching and Learning
MSIT 3310 Development and Learning **[UD UCA Core: D, R]**
MSIT 3320 Introduction to Middle Level Education
MSIT 4305 Classroom Management
MSIT 4321 Classroom Assessment **[UD UCA Core: I]**
MSIT 4325 Disciplinary Literacy **[UD UCA Core: C]**
MSIT 4311 Internship I
MSIT 4312 Strategies for Reading and Writing Assessment and Instruction
MSIT 4328 Advanced Strategies for Teaching and Learning in Middle Level Content Specific Classrooms
MSIT 4612 Internship II **[UD UCA Core: Z]**
MSIT 4613 Internship II **[UD UCA Core: Z]**

[2.2.1.2] Related Requirements:

HIST 4355 Arkansas History

[2.2.1.3] Content Specialty Courses (choose any 2 tracks with):

Track 1. Language Arts (18 hours):

ENGL 2312 American Literature I
ENGL 2313 American Literature II
ENGL 3335 Language and Grammar Studies
ENGL 3320 Literature for Middle Grades
ENGL 4361 Literature for Adolescents
WRTG 3340 Writing Acquisition

Track 2. Social Studies (18 hours):

GEOG 1305 Principles of Geography
ECON 2320 Principles of Macro Economics
HIST 1320 World History II
HIST 2301 American Nations I
HIST 2302 American Nations II
HIST 2320 Historical Research

Track 3. Mathematics (18 hours)

MATH 3352 Number Systems: Reals
MATH 3354 Concepts of Discrete Math
MATH 3364 Concepts of Geometry and Measurement
MATH 4320 Concepts of Calculus
MATH 4314 Applications of Middle Level Mathematics
MATH 4335 Concepts of Advanced Mathematics

Track 4. Science (18 hours*)

*Students who choose both Track 3 Mathematics and Track 4 Science must take PHYS 1401 and SCI 3410 from Track 4; however, these students are not required to take SCI 4314 since MATH 4314, a course in Track 3, includes related content. This change brings the math/science option up to 122 hours instead of 121 hours.

CHEM 1450 College Chemistry I
PHYS 1401 Descriptive Astronomy **or** SCI 3410 Earth Science
SCI 3320 Advanced Science Concepts I
SCI 4314 Applications of Middle Level Science
SCI 4420 Advanced Science Concepts II

[2.2.2] Secondary Education

See the education major in the appropriate college and department for full program descriptions. Departments have developed academic advising maps and have made them available online: http://uca.edu/academicmaps/.

[2.2.3] Minor in Teaching and Learning

The 18-hour minor in Teaching and Learning provides the professional education courses needed by students seeking Secondary Education licensure in content areas. For more information, speak with your academic advisor.

Required Courses (18 hours) from the following or approved by department chair:

EDUC 1300 Education as a Profession
EDUC 3322 Diverse Learners in Inclusive Settings
MSIT 3310 Learning and Development **[UD UCA Core: D, R]**
MSIT 4305 Classroom Management
EDUC 4210 Integration of Technology in Teaching and Learning
MSIT 4321 Classroom Assessment **[UD UCA Core: I]**
MSIT 4325 Strategies for Content Literacy Development and Curriculum Integration **[UD UCA Core: C]**

[2.3] Graduate Programs

Three graduate programs are offered in the Department of Teaching and Learning. See the *Graduate Bulletin* and the UCA web pages for Advanced Studies in Teaching and Learning, Master of Arts in Teaching, and the Gifted and Talented Program.

[3] Course Links

[3.1] Courses in Education (EDUC)

Follow this link to EDUC course descriptions: course link.

[3.2] Courses in Middle/Secondary Education (MSIT)

Follow this link to MSIT course descriptions: course link.

[3.3] Courses in STEM Education (STEM)

Follow this link to STEM course descriptions: course link

College of Fine Arts and Communication

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-fine-arts-and-communication/

Dean and Professor: T. Wright (MFA), 450-3293
Associate Dean and Professor: G. Seymour (PhD), 450-3293

[1] Mission

The College of Fine Arts and Communication offers undergraduate and graduate programs of exceptional quality in selected disciplines. The College's primary mission is the preparation of the next generation of artists, educators, communicators, and scholars not only to participate in their various disciplines, but to provide leadership in their fields. The College is comprised of the Departments of Art, Communication, Mass Communication and Theatre, Music, and Writing, as well as the Reynolds Performance Hall. The many disciplines within the College share a dedication to both rigorous studio practice and scholarly achievement. Through its communication venues such as broadcasts, conferences, exhibits, live performances, publications, readings, recitals, and screenings, the College shares its artistic achievements and communication expertise with the general public.

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

1. Creates a community that is dedicated to the artistic, communicative, and personal development of the individual student;
2. Delivers curricula that offer the best of past knowledge and a broad array of current theory;
3. Nurtures a quality faculty that demonstrates excellence in both the classroom and in creative/scholarly pursuits;
4. Provides optimal venues, facilities, and resources to support a dynamic learning environment;
5. Extends its teaching mission through public performances and exhibits, publications and programs, and education initiatives that serve both students and the general public.

[2] Departments

Department of Art
Department of Film, Theatre, and Creative Writing
Department of Music
School of Communication

[3] Honors in the Majors

Art
Digital Filmmaking
Journalism
Music
Theatre

[4] Degree Programs

[4.1] Bachelor of Arts

Art (emphasis in fine arts, art education, or art history)
Communication
Creative Writing
Digital Filmmaking
Journalism (emphasis in print journalism, broadcast journalism, online journalism, or mass communication research)
Music
Public Relations
Theatre
Writing (emphasis in general or professional writing)

[4.2] Bachelor of Fine Arts

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

[4.3] Bachelor of Music

Composition (concentration)
Performance (concentration; emphasis in vocal, instrumental, or keyboard)
Music Education (concentration; emphasis in choral or instrumental)

[4.4] Bachelor of Science

Communication
Digital Filmmaking
Journalism (emphasis in print journalism, broadcast journalism, online journalism, or mass communication research)
Public Relations
Theatre

[4.5] Minors

Art
Art History
Communication
Creative Writing
Digital Filmmaking
General Writing
Journalism
Music
Professional Writing
Public Relations
Theatre

[4.6] Graduate Programs

See the Graduate Bulletin.

[4.6.1] Master of Fine Arts

Creative Writing
Digital Filmmaking

[4.6.2] Master of Music

[4.6.3] Graduate Certificate

Music

Department of Art

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-fine-arts-and-communication/department-of-art/

Chair and Professor: J. Young (PhD), 450-3113
Professor: K. Burchett (PhD), D. Kuster (PhD), B. Massey (MFA), D. Pinckley (MFA), G. Seymour (PhD)
Associate Professor: H. Laws (MFA), S. Luckett (MFA), R. Morales (PhD), R. Ogar (MFA), J. Rospert (MFA), L. Smith (MFA)
Assistant Professor: J. Hornbrook (MFA)
Gallery Director and Lecturer: B. Young (MA)
Visiting Assistant Professor: D. Martinez (MFA)
Studio Technician: R. Burton
Visual Resource Librarian: S. Bennett
Department Secretary: L. Clark

[1] Mission

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, enhancing and enriching lives, and making us more conscious of ourselves and others in the world.

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

- To challenge students with an intensive curriculum characterized by individualized instruction.
- To reward faculty who demonstrate excellence in teaching, scholarly and creative endeavors, and community service.
- To maintain facilities and resources that foster opportunities to experience the creation, exhibition, and study of the visual arts.

- To provide opportunities for community involvement in the visual arts and to broaden public awareness to the visual arts.

[2] Departmental Advancement Requirements

Advancement to an art degree program in studio art, fine art, or art education is contingent upon the recommendation of the art faculty on completion of the Sophomore Major Advancement Interview (SMAI), after which a program of study is designed with an art faculty advisor. A copy of the SMAI guidelines is available in the Art Office or on the departmental web site under Downloads. Students pursuing the BA in Art with an art history emphasis should see section 3.3 below.

For transfer students, a minimum of 15 semester hours in art must be taken at the university, including 12 hours of 3000/4000 level courses. The department accepts courses taken at other accredited institutions; however, courses transferred do not necessarily satisfy the specific requirements of the department. In order to receive transfer course credit, transfer students must present a portfolio for faculty review.

Students pursuing the BFA in Studio Art or the BA in Art with emphasis in fine art or art education are required to participate in a comprehensive review and an exhibit during the senior year.

[3] Baccalaureate Degrees

Two degrees are offered: (1) the BA in Art with an emphasis in fine art, art history, or art education; and (2) the BFA in Studio Art with an emphasis in ceramics, graphic design, painting, photography, printmaking, or sculpture.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1] Art Core Curriculum

Students pursuing the BFA in Studio Art or the BA in Art with emphases in fine art or art education must complete the following 35 hours (students pursuing the BA in Art with emphasis in art history go to [3.3.3] below):

[3.1.1] Art Core (18 hours)

ART 1310 Design I
ART 1321 Drawing I
ART 2312 Design II
ART 2322 Drawing II

6 hours from:

ART 2325 Asian Art Survey
ART 2335 Art History, Prehistoric to Medieval **[ACTS: ARTA2003]**
ART 2336 Art History, Renaissance to Modern **[ACTS: ARTA2103]**

Note 1: Students pursuing the BFA degree are required to take ART 2335 and ART 2336.

Note 2: Any of the 2000-level art history courses – ART 2325, 2335, or 2336 – will, for the Art major or minor, fulfill the lower-division UCA Core requirement in Critical Inquiry, Fine Arts/Humanities (FA).

[3.1.2] Area Studies (17 hours)

Category A (3 hours):

ART 3361 Sculpture I
ART 3379 Ceramics I
ART 3350 Fibers
ART 3315 Contemporary Media in 3-D

Category B (3 hours):

ART 3318 Photography I
ART 3330 Illustration I
ART 3332 Painting I
ART 3334 Watercolor I
ART 3353 Graphic Design I
ART 3343 Printmaking I

Additional requirements (6 hours):

An additional course in Category A or B
or
ART 3304 Introduction to Art Education
and
ART 3324 Advanced Life Drawing

Portfolio Courses (2 hours – each course required):

ART 2140 Portfolio I
ART 3140 Portfolio II **[UD UCA Core: R]**

Art History Course (3 hours):

ART 3301 Modern Art **[UD UCA Core: D]**
ART 3302 History of American Art **[UD UCA Core: D]**
ART 3303 Nineteenth Century Art History **[UD UCA Core: D]**
ART 3307 Arts of Africa **[UD UCA Core: D]**
ART 3311 Ancient South American Art **[UD UCA Core: D]**
ART 3329 Mesoamerican Art **[UD UCA Core: D]**
ART 3335 Art Museum Studies
ART 3365 Women in Art **[UD UCA Core: D]**
ART 3385 Art of India

ART 3395 Art of Japan
ART 4372 Senior Seminar (fall only) **[UD UCA Core: Z]**

[3.2] Bachelor of Fine Arts

The degree of Bachelor of Fine Arts requires successful completion of 120 hours, including (1) the UCA Core: complete 35 hours of lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses (see the UCA Core requirements); (2) sophomore level foreign language course; and (3) 80 hours of art in an approved degree plan. Art courses must follow a prerequisite structure. A minor is not required. This degree may require more than the normal eight semesters to complete.

[3.2.1] BFA Major in Studio Art (80 hours)

Admission to the BFA in Studio Art requires application as described below. Students must complete the 35 hours of core and area studies curriculum (see section 3.1 above), and add six additional hours of upper-division art history elective for a total of 15 art history hours, 21 hours in an approved studio emphasis (see below), and 18 hours in BFA required courses (see below) to complete 80 hours.

[3.2.2] Pre-BFA Track

Students intending to apply for the BFA in Studio Art degree are strongly encouraged to enter the pre-BFA Studio Art track. Pre-BFA Studio Art students are required to attend a BFA orientation meeting in the fall or spring semester. No emphasis is declared in the pre-BFA track. Upon successful completion of the Sophomore Major Advancement Interview (SMAI), students with a 2.5 cumulative GPA and a 3.25 major GPA on a minimum of 24 hours of art may apply for entrance to the program. Transfer students, students changing majors, or students changing degree programs may not be required to start the program in the pre-BFA track, but must meet the requirements outlined in the previous paragraph.

[3.2.3] Acceptance to the BFA Program

Acceptance to the BFA degree program requires approval by the studio faculty of the BFA application which includes the application form declaring emphasis being pursued, a typewritten statement, at least 20 slides or digital images of artwork, and a copy of a current UCA transcript. Normally, application is made in the spring of the sophomore year. Applications may be submitted each fall and spring semester. A minimum of 23 hours in art is required after acceptance to the BFA program, including ART 4300, ART 4301, ART 4V75 (6 credit hours), ART 4150, ART 4160, ART 4372, and six hours of art in a specified degree plan.

Students accepted into the BFA program must submit documentation of post-SMAI finished work and works-in-progress for review by a studio faculty committee one year after acceptance into the program (normally the spring semester of the junior year).

[3.2.4] BFA Required Courses (18 hours required of all BFA emphases)

ART 3150 BFA Folio
ART 4150 BFA Professional Orientation
ART 4300 BFA Studio Practicum

ART 4301 BFA Studio Practicum
ART 4325 Drawing IV (fall only)
ART 4160 BFA Exhibit **[UD UCA Core: Z]**
ART 4V75 BFA Internship (6 credit hours)

[3.2.4.1] Ceramics Emphasis (21 hours)

Note: If one or more of the courses below have been taken as part of the Area Studies coursework under Category A, select additional courses from the studio emphasis electives section.

ART 3379 Ceramics I
ART 3380 Slip Casting & Glaze Formulation
ART 3390 Ceramics II
ART 4388 Advanced Studio: Ceramics
ART 3361 Sculpture I
ART 3362 Sculpture II

Select **one** of the following electives:

ART 3325 Color
ART 3343 Printmaking I
ART 3350 Fibers
ART 3353 Graphic Design I
ART 3315 Contemporary Media in 3-D
ART 4V71 Directed Studio Problem (3 credit hours)

[3.2.4.2] Graphic Design Emphasis (21 hours)

Note: If one or more of the courses below have been taken as part of the Area Studies coursework under Category B, select additional courses from the studio emphasis electives section.

ART 3353 Graphic Design I
ART 3354 Graphic Design II
ART 4328 Graphic Design III
ART 4335 Graphic Design IV

Select **two** of the following electives:

ART 3330 Illustration I
ART 3343 Printmaking I
ART 3325 Color
ART 3318 Photography I

Select **one** of the following electives.

ART 3331 Illustration II
ART 4388 Advanced Studio: Graphic Design

[3.2.4.3] Painting Emphasis (21 hours)

Note: Painting I may not be used to fulfill Category B in Area Studies.

Select **seven** of the following:

ART 3332 Painting I
ART 3333 Painting II
ART 4388 Advanced Studio: Painting
ART 4388 Advanced Studio: Painting
ART 3334 Watercolor I/or other upper level 2-D elective
ART 3339 Watercolor II/or other upper level 2-D elective
ART 3325 Color
ART 4V71 Directed Studio (3 credit hours)

[3.2.4.4] Photography Emphasis (21 hours)

Note: If one or more of the courses below have been taken as part of the Area Studies coursework under Category A or B, select additional courses from the studio emphasis electives section.

ART 3318 Photography I
ART 3320 Photography II
ART 4388 Advanced Studio: Photography
ART 4388 Advanced Studio: Photography

Select **two** of the following:

ART 3343 Printmaking I
ART 3332 Painting I
ART 3353 Graphic Design I
ART 3361 Sculpture I
ART 3379 Ceramics I
ART 3315 Contemporary Media in 3-D

Select **one** of the following:

ART 3344 Printmaking II
ART 3333 Painting II
ART 3354 Graphic Design II
ART 3362 Sculpture II
ART 3390 Ceramics II

[3.2.4.5] Printmaking Emphasis (21 hours)

Note: If one or more of the courses below have been taken as part of the Area Studies coursework under Category A or B, select additional courses from the studio emphasis electives section.

ART 3343 Printmaking I
ART 3344 Printmaking II
ART 4388 Advanced Studio: Printmaking
ART 4388 Advanced Studio: Printmaking
ART 4V71 Directed Studio Problem (3 credit hours)

Select **one** of the following:

ART 3330 Illustration I
ART 3332 Painting I
ART 3315 Contemporary Media in 3-D

Select **one** of the following:

ART 3331 Illustration II
ART 3333 Painting II
ART 3362 Sculpture II or Art 3390 Ceramics II

[3.2.4.6] Sculpture Emphasis (21 hours)

Note: If one or more of the courses below have been taken as part of the Area Studies coursework under Category A, select additional courses from the studio emphasis electives section.

ART 3361 Sculpture I
ART 3362 Sculpture II
ART 4388 Advanced Studio: Sculpture
ART 4388 Advanced Studio: Sculpture
ART 3379 Ceramics I
ART 3390 Ceramics II

Select **one** of the following electives:

ART 4V71 Directed Studio Problem (3 credit hours)
ART 3315 Contemporary Media in 3-D

[3.3] Bachelor of Arts

The BA in Art, with an emphases in fine art, art education, or art history requires successful completion of 120 hours, including (1) the UCA Core: complete 35 hours of lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses (see the UCA Core requirements); (2) sophomore-level foreign-language course; (3) an approved degree program in art; and (4) a minor approved by the student's minor advisor. A minor is not required for Bachelor of Arts students who complete requirements for teacher licensure.

[3.3.1] Fine Art Emphasis (48 hours)

Students must complete the 35 hours of core and area studies (see section 3.1 above) and add 9 hours of studio electives (six of which must be studio level II), ART 4388 Advanced Studio or a third upper-division studio course in a studio area, and ART 4140 Portfolio III **[UCA Core: Z]** .

[3.3.2] Art Education Emphasis (45 hours)

Students must complete the 35 hours of core and area studies curriculum (see section 3.1 above); add 3 additional hours 3000-level art history for a minimum of 12 art history hours; 3 hours studio at level II; ART 4388 Advanced Studio or a third upper-division course in a studio area; and ART 4140 Portfolio III **[UCA Core: Z]**. A total of 45 hours of art is required, 21 hours of art education courses (see below), and 14 hours of professional education (see below). The emphasis prepares students for K–12 licensure in Arkansas public schools. Students seeking teacher licensure must complete current UCA College of Education and state requirements. This emphasis and licensure requirements may require more than the normal eight semesters to complete. A minor is not required.

Art Education Courses (21 hours):

ART 3304 Introduction to Art Education
ART 4350 Art Education Practicum
ART 4361 Internship I
ART 4690 Internship II
ART 4691 Internship II

Professional Education Courses (14 hours):

EDUC 1300 Education as a Profession
EDUC 3332 Diverse Learners in Inclusive Settings
EDUC 4210 Integration of technology in Teaching and Learning
MSIT 4321 Classroom Assessment
MSIT 3310 Development and Learning

Note: An Educational Technology Competency exam must be completed prior to admission to Level I of the Teacher Education program. Students may choose to take CSCI 1300 or MIS 2343 for Level I admittance but should be aware that this adds one additional hour to the total number of hours for the degree.

[3.3.3] Art History Emphasis (45 hours)

Students must complete 39 hours of art history courses (see below) and 6 hours of studio to total 45 hours in art history and art.

Select **one** of the following:

ART 1310 Design I
ART 2312 Design II

Select **one** of the following:

ART 1321 Drawing I
ART 2322 Drawing II

Select **13** from the following electives:

ART 2325 Asian Art Survey
ART 2335 Art History, Prehistoric to Medieval **[ACTS: ARTA2003]**
ART 2336 Art History, Renaissance to Modern **[ACTS: ARTA2103]**
ART 3301 Modern Art **[UD UCA Core: D]**
ART 3302 History of American Art **[UD UCA Core: D]**
ART 3303 Nineteenth Century Art History **[UD UCA Core: D]**
ART 3307 Arts of Africa **[UD UCA Core: D]**
ART 3311 Ancient South American Art **[UD UCA Core: D]**
ART 3329 Mesoamerican Art **[UD UCA Core: D]**
ART 3335 Art Museum Studies
ART 3365 Women in Art **[UD UCA Core: D]**
ART 3385 Art of India
ART 3395 Art of Japan
ART 4V02 Directed Study (3 credit hours)
ART 4372 Senior Seminar **[UD UCA Core: Z]**

[4] Minors in Art

[4.1] Minor in Art (24 hours)

Students must complete 24 hours of art, including ART 1310 or 2312, 1321, 2322, 3 hours art history, and 12 hours studio elective (nine of which must be upper-division).

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

Note: Any of the 2000-level art history courses – ART 2325, 2335, or 2336 – will, for the Art major or minor, fulfill the lower-division UCA Core requirement in Critical Inquiry, Fine Arts/Humanities (FA).

[4.2] Minor in Art History (24 hours)

Students must complete 24 hours of art, 9 of which must be upper-division courses: ART 2325, 2335 **[ACTS: ARTA2003]**, 2336 **[ACTS: ARTA2103]**; 3 hours studio art; 12 hours selected from ART 3301, 3302, 3303, 3307, 3311, 3329, 3335, 3365, 4V02 (variable credit), and 4372. ART 2325, 2335 **[ACTS: ARTA2003]**, and 2336 **[ACTS: ARTA2103]** must be completed prior to enrolling in upper-division art history courses.

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

Note: Any of the 2000-level art history courses – ART 2325, 2335, or 2336 – will, for the Art major or minor, fulfill the lower-division UCA Core requirement in Critical Inquiry, Fine Arts/Humanities (FA).

[5] Honors in Art

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Art faculty may invite students into the Honors in Art program who have completed at least 72 hours (24 of which are in art) and have a major grade point average of at least 3.4 and a cumulative grade point average of at least 3.25. After the invitation, students wishing to participate select a faculty advisor and develop a proposal which must be submitted to and accepted by the Departmental Honors Committee in the semester prior to enrolling in ART 4390 Special Studies. Students submit the completed research or creative work to the Departmental Honors Committee for review. Honors standing is granted only to those students receiving a grade of “A” in ART 4390. Credit will be granted for students who receive a grade of “B” or “C.”

[6] Accreditation

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

[7] Course Links

[7.1] Courses in Studio Art (ART)

Follow this link for ART – Studio Art course descriptions: course link.

[7.2] Courses in Art Education (ART)

Follow this link for ART – Art Education course descriptions: course link.

[7.3] Art History

Follow this link for ART – Humanities and Art History course descriptions: course link.

Department of Film, Theatre, and Creative Writing

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-fine-arts-and-communication/department-of-film-theatre-and-creative-writing/

Chair and Associate Professor: M. Gunter (MFA), 450-3162
Distinguished Professor Emeritus: J. Anderson (PhD)
Professor: B. Hutchinson (PhD), S. Vanderslice (MFA, PhD)
Associate Professor: K. Browne (PhD), C. Fritzges (MFA), Sh. Meador (MFA), Wm S. Meador (MFA), G. C. Powell (MFA), M. Spitzer (MFA), J. Vanderslice (MFA, PhD)
Assistant Professor: G. Blakey (EdD), J. Case (PhD), J. Gerber (MFA), S. Longhorn (MFA)
Lecturer II: C. Churchill (MFA), B. May (MFA)
Lecturer I: R. Scallet (MFA)

[1] Purposes

The department offers professional training in the areas of film, theatre, and creative writing. It also seeks to educate interested non-professionals who seek to become participating members of a knowledgeable audience. Additionally, through broadcast, print, cinematic, and theatrical productions, students and faculty of the department share their work with the people of Arkansas.

[2] Facilities

State-of-the-art facilities support each program in the department. The Department of Film, Theatre, and Creative Writing is housed in Stanley Russ Hall and the Snow Fine Arts Center. Stanley Russ Hall includes production soundstages, audio recording and mixing studios, two computer labs labs featuring Adobe Creative Cloud software, production areas, and a 16-seat 4K screening room with surround sound. Theatre facilities include classrooms, a well-equipped technical area, a CAD laboratory, a Black-Box studio theatre, and a 300-seat proscenium theatre in the Snow Fine Arts Center as well as the 1200-seat Reynolds Performance Hall.

[3] Honors in the Majors

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Students who major in Film or Theatre may be invited by the faculty of the department to enter the Honors in the Majors program in the first semester of the senior year. To earn honors, students must major one of these areas and enroll in MCOM 3322. Students will submit a final honors project paper or performance no later than February 1 for May graduation, October 1 for December graduation, or June 1 for August graduation.

[4] Baccalaureate Degrees

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[4.1] Bachelor of Arts/Bachelor of Science in Film

The degree of Bachelor of Arts or Bachelor of Science with a major in Film requires the successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses; (2) specific degree requirements; (3) the digital filmmaking core courses FILM 1305 and FILM 1310; (4) major requirements and electives as described below; and (5) a minor as arranged through the student's minor advisor.

[4.1.1] Major in Film (44 hours)

Undergraduate Core courses are used to satisfy the lower-division UCA Core requirement in Diversity, Critical Inquiry, Responsible Living, and Effective Communication, and FILM courses are used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication. Students will take FILM 4357 Digital Filmmaking 4 as the required UCA Core capstone.

Required courses (32 hours):

FILM 1305 Introduction to Film
FILM 1310 Introduction to Visual Storytelling
FILM 2310 Script Analysis
FILM 2466 Digital Filmmaking 1
FILM 3315 Classical Film Theory **[UD UCA Core: I, R]**
FILM 3350 Cinema History 1
FILM 3351 Cinema History 2 **[UD UCA Core: D]**
FILM 3456 Digital Filmmaking 2
FILM 4356 Digital Filmmaking 3 **[UD UCA Core: C]**
FILM 4357 Digital Filmmaking 4 **[UD UCA Core: Z]**

Electives (12 hours, chosen from the following):

FILM 3316 Film Theory Since 1960
FILM 3321 Internship (120 clock hours)
FILM 3322 Directed Study in Digital Filmmaking
FILM 4305 Production Design
FILM 4311 Cinematography
FILM 4320 Film Editing
FILM 4354 Animation for Visual Effects

FILM 4355 Visual Effects Compositing
FILM 4363 Audio Production and Design for Film
FILM 4373 Documentary Production
FILM 4380 Seminar in Film Studies
FILM 4392 Topics in Digital Production (Producing, Directing, etc.)
JOUR 3374 Broadcast Journalism Production II
JOUR 4313 Writing for Electronic Media
MCOM 3307 Media Theory and Research
MCOM 4323 Seminar in Mass Communication
THEA 2320 Stage Make-Up
THEA 3310 Costume Design
CRWR 3320 Forms of Screenwriting
CRWR 3376 Screenwriting Workshop

[4.1.2] Minor in Film (22 hours)

Students must complete a minor declaration form to enroll in the program.

Students seeking a minor in Film are required to complete the following:

Required (16 hours):

FILM 1305 Introduction to Film
FILM 1310 Introduction to Visual Storytelling
FILM 2310 Script Analysis
FILM 2466 Digital Filmmaking 1
FILM 3315 Classical Film Theory
or
FILM 3350 Cinema History 1

Electives (6 hours, chosen from the following):

FILM 3315 Classical Film Theory
FILM 3316 Film Theory Since 1960
FILM 3350 Cinema History 1
FILM 3351 Cinema History 2
FILM 3456 Digital Filmmaking 2
FILM 4305 Production Design
FILM 4311 Cinematography
FILM 4320 Film Editing
FILM 4354 Animation for Visual Effects
FILM 4355 Visual Effects Compositing
FILM 4356 Digital Filmmaking 3
FILM 4357 Digital Filmmaking 4
FILM 4363 Audio Production and Design for Film
FILM 4373 Documentary Production
FILM 4380 Seminar in Film Studies
FILM 4392 Topics in Digital Production
JOUR 3374 Broadcast Journalism Production II

JOUR 4313 Writing for Electronic Media
MCOM 3307 Theories of Mass Communication
MCOM 4323 Seminar in Mass Communication
CRWR 3320 Forms of Screenwriting
CRWR 3376 Screenwriting Workshop

[4.2] Bachelor of Arts/Bachelor of Science in Theatre

The degree of Bachelor of Arts or Bachelor of Science in theatre requires the successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses; (2) specific degree requirements; (3) requirements for the major as described below; and (4) a minor as arranged through the student's minor advisor.

[4.2.1] Major in Theatre (43 hours)

Undergraduate Core courses are used to satisfy the lower-division UCA Core requirement in Diversity, Critical Inquiry, Responsible Living, and Effective Communication, and Theatre courses are used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication. Students will take THEA 4320 Directing as the required UCA Core capstone.

Required (30 hours):

THEA 1360 Text Analysis
THEA 1370 Voice and Movement
THEA 2325 Fundamentals of Theatrical Design
THEA 2331 Stagecraft
THEA 2390 Acting I
THEA 3324 Theatre History I **[UD UCA Core: I]**
THEA 3325 Theatre History II **[UD UCA Core: C, D]**
THEA 3332 Stage Lighting **or** THEA 3310 Costume Design **or** THEA 4340 Scene Design
THEA 4300 Professional Issues **[UD UCA Core: R]**
THEA 4320 Directing **[UD UCA Core: Z]**

Electives (9 hours, chosen from the following):

THEA 2200 Dance for the Theatre
THEA 2320 Stage Make-Up
THEA 2330 Stage Management
THEA 3305 Scenic Painting for Theatre
THEA 3310 Costume Design
THEA 3320 Digital Design
THEA 3331 Stagecraft II
THEA 3332 Stage Lighting
THEA 3390 Acting Styles: Farce, Commedia, Comedy of Manners
THEA 3391 Acting Styles: Shakespeare, Greek
THEA 4305 Acting for the Camera
THEA 4315 Topics in Theatre Performance (May be repeated once under a different topic)
THEA 4321 Topics in Technical Theatre (May be repeated once under a different topic)

THEA 4322 Theatre Workshop
THEA 4326 Costume History
THEA 4340 Scene Design

Required Application Courses (4 hours):

THEA 1122 Theatre Production and Performance
THEA 2122 Theatre Production and Performance
THEA 3122 Theatre Production and Performance
THEA 4122 Theatre Production and Performance

Optional:

THEA 3V50 Directed Study in Theatre (Variable credit, 1 to 3 hours)
MCOM 3321 Internship
(Directed Study and Internship not included in hours for the major)

[4.2.2] Minor in Theatre (20 hours)

Students seeking a Minor in Theatre are required to complete the following:

Required (6 hours) (Minimum grade of "C" for Minor credit):

THEA 2325 Fundamentals of Theatrical Design
THEA 2390 Acting I

Electives (12 hours – at least 9 hours to be upper division) from the following:

THEA 1360 Text Analysis
THEA 1370 Voice and Movement
THEA 2331 Stagecraft
THEA 2320 Stage Makeup
THEA 2330 Stage Management
THEA 3305 Scenic Painting for Theatre
THEA 3310 Costume Design [Note 1]
THEA 3320 Digital Design [Note 1]
THEA 3324 Theatre History I [Note 3]
THEA 3325 Theatre History II [Note 3]
THEA 3331 Stagecraft II [Note 4]
THEA 3332 Stage Lighting [Note 1]
THEA 3390 Acting Styles: Farce, Commedia, Comedy or Manners [Note 2]
THEA 3391 Acting Styles: Shakespeare, Greek [Note 2]
THEA 4300 Professional Issues **[UD UCA Core: R]**
THEA 4305 Acting for the Camera [Note 2]
THEA 4315 Topics in Performance [Note 2]
(May be repeated once under a different topic)
THEA 4320 Directing [Note 2] and [Note 3]
THEA 4321 Topics in Technical Theatre [Note 1]
(May be repeated once under a different topic)
THEA 4322 Theatre Workshop

THEA 4340 Scene Design [Note 1] and [Note 4]
THEA 4326 Costume History

Application courses (2 hours):

All students are required to complete 1 hour credit at any two levels. (Each level may be repeated once for a maximum 2 hours credit.) Minimum grade of 'B' for Minor credit.

THEA 1122 Theatre Production and Performance
THEA 2122 Theatre Production and Performance
THEA 3122 Theatre Production and Performance
THEA 4122 Theatre Production and Performance

Notes:
Note 1: Prerequisite THEA 2325 Fundamentals of Theatrical Design
Note 2: Prerequisite THEA 2390 Acting I
Note 3: Prerequisite THEA 1360 Text Analysis
Note 4: Prerequisite THEA 2331 Stagecraft

[4.4] Bachelor of Arts in Creative Writing

[4.3] Major in Creative Writing (36 hours)

One Creative Writing required course (CRWR 2310, Introduction to Creative Writing) satisfies the lower-division UCA Core requirement in Diversity (D). Students may take CRWR 4324, Topics in Creative Writing, to satisfy the UCA Core capstone (Z) requirement.
Required courses (24 hours):

CRWR 2310 Introduction to Creative Writing **[ACTS: ENGL2013]**
WRTG 3305 Writing as Information Design
6 hours CRWR "Forms" courses (CRWR 3320, 3321, 3325, 3330, 3331, 3335, or 3345)
6 hours CRWR "Workshop" courses (CRWR 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377 or 3378)
6 hours CRWR "Topics" courses (CRWR 4324, 4340 4371, or 4372)

Creative Writing Electives (12 hours chosen from the following):

CRWR 3320 Forms of Screenwriting
CRWR 3321 Forms of Playwriting
CRWR 3325 Forms of Poetry
CRWR 3330 Forms of Creative Nonfiction
CRWR 3331 Forms of Illustrated Narrative
CRWR 3335 Forms of Fiction
CRWR 3345 Forms of Writing for Children
CRWR 3370 Poetry Workshop
CRWR 3371 Fiction Workshop
CRWR 3372 Creative Nonfiction Workshop
CRWR 3373 Illustrated Narrative Workshop
CRWR 3374 Travel Writing Workshop
CRWR 3375 Writing for Children Workshop
CRWR 3376 Screenwriting Workshop

CRWR 3377 Genre Fiction Workshop
CRWR 3378 Playwriting Workshop
CRWR 4324 Topics in Creative Writing **[UD UCA Core: Z]**
CRWR 4340 Teaching Creative Writing
CRWR 4371 Novel Writing Workshop
CRWR 4372 Novella Workshop

Other Writing Electives:

WRTG 2325 Introduction to Rhetoric
WRTG 3301 Rhetoric and Composition
WRTG 3306 Information Design II: Usability and Accessibility
WRTG 3307 Introduction to Editing
WRTG 3310 Technical Writing **[UD UCA Core: C]**
WRTG 3315 Writing Center Practicum
WRTG 3340 Writing Acquisition: Theory and Practice
WRTG 3390 Discourse Analysis **[UD UCA Core: I, R]**
WRTG 4305 Contemporary Composition
WRTG 4306 Information Design III: Clients and Project Management
WRTG 4308 Writing for Change **[UD UCA Core: Z]**
WRTG 4309 Introduction to Publishing
WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
WRTG 4V80 Directed Study in Writing (variable credit, 1-3 credit hours)
WRTG 4385 Internship in Writing

Note on Prerequisites

Introduction to Creative Writing (CRWR 2310) is a prerequisite to taking upper-division creative writing classes. A genre-appropriate forms class (CRWR 3320-3345) must be taken before enrolling in a corresponding workshop class (CRWR 3370-3377). Before enrolling in a senior-level course, a student must complete six hours of upper-division creative writing courses.

[2.1.5] Minor in Creative Writing (24 hours)

Required courses (15 hours):

CRWR 2310 Introduction to Creative Writing **[ACTS: ENGL2013]**
WRTG 3305 Writing as Information Design
3 hours CRWR "Forms" course (CRWR 3320, 3321, 3325, 3330, 3331, 3335, or 3345)
3 hours CRWR "Workshop" course (CRWR 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, or 3378)
CRWR 4324 Topics in Creative Writing **[UD UCA Core: Z]**

Electives (9 hours) from the following:

CRWR 3320 Forms of Screenwriting
CRWR 3321 Forms of Playwriting
CRWR 3325 Forms of Poetry
CRWR 3330 Forms of Creative Nonfiction
CRWR 3331 Forms of Illustrated Narrative
CRWR 3335 Forms of Fiction

CRWR 3345 Forms of Writing For Children
CRWR 3370 Poetry Workshop
CRWR 3371 Fiction Workshop
CRWR 3372 Creative Nonfiction Workshop
CRWR 3373 Illustrated Narrative Workshop
CRWR 3374 Travel Writing Workshop
CRWR 3375 Workshop in Writing for Children
CRWR 3376 Screenwriting Workshop
CRWR 3377 Genre Fiction Workshop
CRWR 3378 Playwriting Workshop
CRWR 4324 Topics in Creative Writing **[UD UCA Core: Z]**
CRWR 4340 Teaching Creative Writing
CRWR 4371 Novel Writing Workshop
CRWR 4372 Novella Workshop

Professional Writing:

WRTG 2325 Introduction to Rhetoric
WRTG 3301 Rhetoric and Composition
WRTG 3306 Information Design II: Usability and Accessibility
WRTG 3307 Introduction to Editing
WRTG 3310 Technical Writing **[UD UCA Core: C]**
WRTG 3315 Writing Center Practicum
WRTG 3340 Writing Acquisition: Theory and Practice
WRTG 3390 Discourse Analysis **[UD UCA Core: I, R]**
WRTG 4305 Contemporary Composition
WRTG 4306 Information Design III: Clients and Project Management
WRTG 4308 Writing for Change **[UD UCA Core: Z]**
WRTG 4309 Introduction to Publishing
WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
WRTG 4V80 Directed Study in Writing
WRTG 4385 Internship in Writing

Note on prerequisites:
CRWR 2310 Introduction to Creative Writing is a prerequisite to taking upper-division creative writing classes. A genre-appropriate forms class (CRWR 3320-3345) must be taken before enrolling in a corresponding workshop class (CRWR 3370-3377). Before enrolling in a senior-level course, a student must complete six hours of upper-division creative writing courses.

[5] Resources

[5.1] The Great Bear Writing Project of Central Arkansas

The Great Bear Writing Project of Central Arkansas is one of three Arkansas sites of the National Writing Project, a federally funded program that seeks to improve student writings in grades K-12. It has been recognized by the American Association for Higher Education and the Carnegie Foundation for the Advancement of Teaching as an “outstanding and nationally specific example of how schools and colleges can collaborate to improve American education.” Every other year the site

offers a four-week invitational summer writing institute for K-12 teachers across subject matter areas during which they study contemporary composition theory, experience of the act of writing, devise effective pedagogy, and earn 3 graduate credits. Graduates of this institute become teacher-consultants able to provide in-service workshops to local educators in teaching writing-across-the-curriculum and join a network of colleagues who meet regularly to renew and update skills and knowledge.

[5.2] The Artists in Residence Series

Residencies bring professional performing and visual artists, creative writers, filmmakers, and arts exhibitions to the UCA campus for one or more days for the purpose of expanding student learning experiences. They offer the general student body performances, lectures, and exhibits that enlarge awareness and appreciation of the arts, and provide students participating in the arts with workshops, masterclasses, critiques, etc. that enhance understanding and professionalism.

The Central Arkansas Writing Arts Series invites three to six distinguished writers to the campus each year. Visiting writers conduct workshops for students interested in creative writing and perform readings open to the community.

[6] Course Links

Follow this link for CRWR course descriptions: course link.

Follow this link for FILM course descriptions: course link.

Follow this link for THEA course descriptions: course link.

Follow this link for WRTG course descriptions: course link

Department of Music

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-fine-arts-and-communication/department-of-music/

Chair and Associate Professor: P. Rose (PhD)
Professor: C. Anthony (PhD), R. Brooks (DMA), C. Brown (DMA), R. Holden (DMA), L. Hsu (DMA), K. Johnson (DMA), J. Lamar (DMA), N. Rutman (DMA), B. Tyson (DMA)
Associate Professor: J. Dahlenburg (PhD), P. Dickinson (DM), L. Duso-Kitts (DMA), J. Erwin (MM), S. Feldman (DMA), I. Getzov (MM), W. Oeste (DMA), B. Shires (DMA)
Assistant Professor: J. Cook (MM), S. Cook-Cunningham (PhD), S. Dickinson (PhD), C. Donahue (MM), B. Douglas (MM), J. Hawkinson (PhD), L. Jones (MM), G. Robertson (DMA), L. Young (DMA)
Lecturer II: C. Franklin (MM)
Lecturer: J. Bryant (MM) , K. Murakami (DMA), T. Shires (MM)
Visiting Lecturer: C. Martens (MM)
Adjunct: M. Aun (MM), S. Banister (MM), S. Emerson (MM), T. Kotcherguina (MM), L. Menendez (MM), K. Reynolds (MM), L. Stanley (MM), B. Weir (BM)
Accompanists: B. Cohen (MM), L. Menendez (MM), L. Stanley (MM)

[1] Mission

The human spirit is enlightened and elevated through the creation, presentation and transmission of our common musical culture. To this goal, and in consonance with the mission of the University and of the College of Fine Arts and Communication, the Department of Music prepares tomorrow's performers, music teachers, entrepreneurs and professionals in and through the discipline of music, and brings performances of national prominence to Arkansas and the region. The Department of Music also provides music education experiences for children and adults through the Community School of Music, opportunities for university students from all disciplines to enrich their own general education by taking courses in music and performing in ensembles, and service and outreach to Arkansas public schools.

[2] Honors in Music

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

The Honors in Music program provides outstanding music students the opportunity to do additional creative projects and research. To be eligible for admission, a student must have a 3.0 GPA overall and a 3.0 GPA in music courses. This program will include successful completion of MUS 4310 Special Studies in Music. Students who are interested should petition to participate by writing a letter to the departmental Honors Committee (1) stating that he/she meets the GPA qualifications for the honors program; (2) describing the proposed project (research, composition, lecture/recital, etc.); and (3) listing proposed committee members for his/her project. Students should discuss projects with their proposed committee members prior to writing their petition and secure the commitment of one faculty member to serve as chair of the committee and supervise the project. The department Honors Committee will review the petition and inform the student of approval.

[3] Baccalaureate Degrees

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry

R = Responsible Living
Z = Capstone Experience

[3.1] Bachelor of Music

[3.1.1] Music Education

The BM degree with a concentration in music education requires successful completion of 122-123 semester credit hours, including (1) the UCA Core: complete 38 credit hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses; (2) degree/licensure requirements in the College of Education; (3) degree requirements in music as listed below; and (4) ensemble experiences as required. Keyboard majors must pursue a choral or an instrumental degree track. A minor is not required.

[3.1.1.1] Major in Music Education

Music Core courses are used to satisfy the lower-division UCA Core requirement in Diversity in Creative Works and the upper-division UCA Core requirements in Diversity, Critical Inquiry, and Communication. MSIT 3310 will satisfy the upper-division Responsible Living requirement. MUS 1340 should be selected within the lower-division Core because it fulfills a UCA Core requirement and a program requirement. BM in Education students will be taking MUS 4690 and 4691, Internship II, as the required UCA Core capstone.

Applied Music (12-14 credit hours):

Major applied: 10 credit hours (instrumental) or 12 credit hours (vocal)

Recital or Project: 1 credit hour
MUS 4102 Senior Recital
or
MUS 4108 Senior Project

Minor applied: 2 credit hours
MUS 2133 Piano Class III
MUS 2134 Piano Class IV or other applied if piano proficiency is passed

Ensemble Credit (7-8 credit hours):
Students must participate in a large ensemble for a minimum of 7-8 semesters; seven credits or semesters if the student completes Int. II during the 8th semester. Beginning in the 3rd year of study, students should register in 4000-level large ensembles. See specific requirements below.

Theory (18 credit hours):

Required Courses: 16 hours
MUS 1230 Harmony I
MUS 1231 Ear Training I
MUS 1232 Harmony II
MUS 1233 Ear Training II
MUS 2430 Theory III
MUS 2431 Theory IV

Choose One (2-3 hours):
MUS 2233 Composition
MUS 3210 Counterpoint
MUS 3230 Form and Analysis
MUS 4210 Instrumental Arranging
MUS 4215 Choral Arranging
MUS 4311 Introduction to Linear Analysis **[UD UCA Core: I]**

History and Literature (9 credit hours):

MUS 1340 Introduction to Music Literature
MUS 3302 Music History I **[UD UCA Core: C, D]**
MUS 3303 Music History II **[UD UCA Core: C, D]**

Pedagogy (9-11 credit hours):

Vocal majors:
MUS 1141 Diction I
MUS 1142 Diction II
MUS 3201 Instrumental and Choral Conducting
MUS 3305 Elementary Methods of Music Education
MUS 3306 Secondary Choral Methods in Music Education
MUS 4160 Vocal Pedagogy

Keyboard majors/vocal track:
MUS 2150 String Class
MUS 3201 Instrumental and Choral Conducting
MUS 3305 Elementary Methods of Music Education
MUS 3306 Secondary Choral Methods in Music Education
MUS 4202 Piano Pedagogy

Instrumental majors:
MUS 2150 String Class
MUS 2170/2171 Brass I and/or Brass II
MUS 2180/2181 Woodwinds I and/or Woodwinds II
MUS 2199 Percussion Class
MUS 3201 Instrumental and Choral Conducting
MUS 3305 Elementary Methods of Music Education
MUS 3304 or 3308 Secondary Instrumental Methods in Music Education or Orchestral Methods and Materials

Instrumental majors must have 1 credit hour of string class, 1-2 credit hours of brass class, and 1-2 credit hours of woodwind class. Brass majors will take 2 hours of woodwinds. Woodwind majors must have 2 credit hours of brasses. Percussion majors will take 2 credit hours of woodwinds and 2 credit hours of brasses.

Technology (2 credit hours):

MUS 2211 Integration of Music Technology into Teaching and Learning

Internships (13 credit hours):

MUS 4340 Internship I **[UD UCA Core: I, C]**
MUS 4690 Internship II **[UD UCA Core: Z]**
MUS 4691 Internship II **[UD UCA Core: Z]**

Professional Education (12 credit hours):

EDUC 1300 Education as a Profession (for music majors)
MUS 2311 Musical Development and Learning
MSIT 4305 Classroom and Behavior Management
EDUC 3322 Diverse Learners in Inclusive Settings

[3.1.2] Performance

The degree of Bachelor of Music with a concentration in performance requires successful completion of 120 credit hours, including (1) the UCA Core: complete 38 credit hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-

division UCA Core requirements using designated courses in Music except for Responsible Living; (2) degree requirements as listed below; and (3) ensemble experience as required. A minor is not required.

[3.1.2.1] Major in Performance

Music Core courses are used to satisfy the lower-division UCA Core requirement in Diversity in Creative Works and the upper-division UCA Core requirements in Diversity, Critical Inquiry, and Communication. MUS 1340 should be selected within the lower-division Core because it fulfills a UCA Core requirement and a program requirement. BM in Performance students will be taking MUS 4102, Senior Recital, as the required UCA Core capstone.

Applied Music (26 credit hours):

Major applied: 23 credit hours

Minor applied: 2 credit hours
MUS 2133 Piano Class III
MUS 2134 Piano Class IV or other applied if piano proficiency is passed

Recital: 1 credit hour
MUS 4102 Senior Recital **[UD UCA Core: Z]**

Ensemble Credit (8 credit hours)
Students must participate in a large ensemble for a minimum of 8 semesters. Beginning in the 3rd year of study, students should register in 4000-level large ensembles. See specific requirements below, in § 7.2.

Theory (24 credit hours):
Any two of the upper-division theory classes satisfy the UCA Core requirement in Critical Inquiry.

Required Courses: 22 credit hours
MUS 1230 Harmony I
MUS 1231 Ear Training I
MUS 1232 Harmony II
MUS 1233 Ear Training II
MUS 2430 Theory III
MUS 2431 Theory IV
MUS 3210 Counterpoint **[UD UCA Core: I]**
MUS 3230 Form and Analysis **[UD UCA Core: C]**
MUS 2233 Composition

Choose One: 2 credit hours
MUS 4210 Instrumental Arranging *or*
MUS 4215 Choral Arranging

History and Literature (9-11 credit hours):

Required Courses: 9 credit hours
MUS 1340 Introduction to Music Literature
MUS 3302 Music History I **[UD UCA Core: C, D]**
MUS 3303 Music History II **[UD UCA Core: C, D]**

Choose one: 2 credit hours (0 credit hours for instrumental majors)
Keyboard majors: MUS 4203 Piano Literature or
Vocal majors: MUS 4205 Vocal Literature

Pedagogy (4-5 credit hours)

Required Course: 2 credit hours
MUS 3201 Choral and Instrumental Conducting

Instrumental majors:
MUS 4204 Instrumental Pedagogy only or

Vocal majors:
MUS 1141 Diction I
MUS 1142 Diction II
MUS 4160 Vocal Pedagogy

Vocal majors under the BM Performance program must have one year of a foreign language, either FREN 1310 and 1320 or GERM 1310 and 1320.

Electives: Vocal emphasis: 5 credit hours; instrumental emphasis: 14 credit hours; keyboard emphasis: 12 credit 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.)

[3.1.3] Composition

The degree of Bachelor of Music with a concentration in Composition requires successful completion of 120 credit hours, including (1) the UCA Core: complete 38 credit hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated Music courses except for the Responsible Living requirement; (2) degree requirements as listed below. A minor is not required.

Students interested in pursuing the concentration in Composition should notify the Composition faculty during the first semester of the freshman year, take MUS 2233 Composition Class in the spring of the freshman year, and submit an audition portfolio of two or three pieces for different media at the end of the freshman year. Successful completion of MUS 2233, 1232, and 1233 with a grade of A or B and a satisfactory audition are required for admission to the program. Students who have significant composition experience prior to entering UCA as freshmen may submit a portfolio of 2-3 compositions to the Composition Area Head when applying for admission to the music program or during the summer before their freshman year.

[3.1.3.1] Major in Composition

Music Core courses are used to satisfy the lower-division UCA Core requirement in Diversity in Creative Works and the upper-division UCA Core requirements in Diversity, Critical Inquiry, and Communication. MUS 1340 should be selected within the lower-division Core because it fulfills a UCA Core requirements and a program requirement. BM in Composition students will be taking MUS 4102, Senior Recital, as the required UCA Core capstone.

Applied Music (31 credit hours):

Composition applied: 20 credit hours
MUSA 2260, MUSA 2260, MUSA 4460, MUSA 4460, MUSA 4460, MUSA 4460

Instrumental vocal or keyboard applied: 8 credit hours

Minor applied: 2 credit hours
MUS 2133 Piano Class III
MUS 2134 Piano Class IV or other applied if piano proficiency is passed.

Recital: 1 credit hour
MUS 4102 Senior Recital **[UD UCA Core: Z]**

Ensemble Credit 6 credit hours:
Students must participate in a large ensemble for a minimum of 6 semesters. After the third semester of ensemble participation, students should register in 4000-level large ensembles. See specific requirements below in § 7.2.

Theory (26 credit hours):

Any two of the upper-division theory classes satisfy the UCA Core requirement in Critical Inquiry.
MUS 1230 Harmony I
MUS 1231 Ear Training I
MUS 1232 Harmony II
MUS 1233 Ear Training II
MUS 2233 Composition Class
MUS 2430 Theory III
MUS 2431 Theory IV
MUS 3210 Counterpoint
MUS 3230 Form and Analysis
MUS 4210 Instrumental Arranging
MUS 4215 Choral Arranging

Pedagogy (2 credit hours):

MUS 3201 Instrumental and Choral Conducting

Technology (2 credit hours):

MUS 2210 Music Technology

History and Literature (9 credit hours):

MUS 1340 Introduction to Music Literature
MUS 3302 Music History I **[UD UCA Core: C, D]**
MUS 3303 Music History II **[UD UCA Core: C, D]**

Electives (9 credit hours)

Students interested in pursuing the concentration in Composition should notify the Composition faculty during the first semester of the freshman year, take MUS 2233 Composition Class in the spring of the freshman year, and submit an audition portfolio of two or three pieces for different media at the end of the freshman year. Successful completion of MUS 2233 with a grade of A or B, and a satisfactory audition are required for admission to the program.

[3.2] Bachelor of Arts

The degree of Bachelor of Arts with a major in Music requires the completion of 120 credit hours, including (1) the UCA Core: complete 38 credit hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated major, minor, or elective courses; note that the upper-division Responsible Living requirement must be taken from minor or elective courses; (2) BA special degree requirements; (3) major requirements as listed below; (4) ensemble experience as required; and (5) a minor in another field of up to 18 credit hours as worked out with the minor advisor. Degree hours may be more than 120 depending upon the minor selected.

[3.2.1] Major in Music

Music Core courses are used to satisfy the lower-division UCA Core requirement in Diversity in Creative Works and the upper-division UCA Core requirements in Diversity, Critical Inquiry, and Communication. MUS 1340 should be selected within the lower-division Core because it fulfills a UCA Core requirement and a program requirement. BA in Music students will be taking MUS 4102, Senior Recital, or MUS 4108, Senior Project, as the required UCA Core capstone.

Applied Music (11 credit hours):

Major Applied: 8 credit hours

Secondary Applied: 2 credit hours
MUS 2133 Piano III
MUS 2134 Piano IV or other applied if piano proficiency is passed

Recital or Project: 1 credit hour
MUS 4102 Senior Recital **[UD UCA Core: Z]**
or
MUS 4108 Senior Project **[UD UCA Core: Z]**

Ensemble Credit (8 credit hours)
Students must participate in a large ensemble for a minimum of 8 semesters. Beginning in the 3rd year of study, students should register in 4000-level large ensembles. See specific requirements below in § 7.2.

Theory (16 credit hours):

MUS 1230 Harmony I
MUS 1231 Ear Training I
MUS 1232 Harmony II
MUS 1233 Ear Training II
MUS 2430 Theory III
MUS 2431 Theory IV

History and Literature (9 credit hours):

MUS 1340 Introduction to Music Literature
MUS 3302 Music History I **[UD UCA Core: C, D]**
MUS 3303 Music History II **[UD UCA Core: C, D]**

Music Technology (2 credit hours):

MUS 2210 Introduction to Music Technology

Upper-Division Music Electives (12 credit hours):
Any two of the upper-division theory classes satisfy the UCA Core requirement in Critical Inquiry.

General Electives (6 credit hours):
These hours may be taken either in or outside of the music area.

[3.2.2] Minor in Music (non-teaching) (24 credit 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. Students should complete at least 3-4 credit hours at the upper-division level in their applied hours and/or ensemble hours.

Music theory (8 credit 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.

MUS 1230 Harmony I
MUS 1231 Ear Training I
MUS 1232 Harmony II
MUS 1233 Ear Training II

Music Literature (3 credit hours):

MUS 1340 Introduction to Music Literature

Applied Music (6-7 credit 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. Up to two hours per semester may be used to complete this requirement.

Ensemble (6-7 credit hours). Only two credit hours per semester may be used to fulfill this requirement. At least two hours must be in large ensembles.

[4] Master's Degree

See *Graduate Bulletin*.

[5] Accreditation

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

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

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

supporting materials to the Department of Music. No student is allowed to declare any major in music without receiving a letter of acceptance from the Department of Music.

[6.1] Admission from High School

1. Submit all general materials to the UCA admissions office.
2. Submit music application to Department of Music (forms available from the music office or online).
3. Audition in the principal applied area. A satisfactory audition is essential to determine acceptability to the department. For additional information regarding audition requirements, please refer to the Department of Music website, Degrees and Programs, Areas of Study or contact the appropriate applied instructor.

[6.2] Admission as a Transfer from Another College

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

[6.3] Diagnostic Exams for Incoming Music Majors

1. Piano Placement Evaluation: While piano proficiency is not required for admission, all music majors must achieve the required level of proficiency. The Piano Placement evaluation will assist in placing each student in an appropriate level of piano instruction.
2. Basic Musicianship Evaluation: While not required for admission, all music majors must achieve a required level of proficiency in basic musicianship. This evaluation is a brief test of rudimentary music skills which is necessary for placement in music theory and musicianship courses.

Students will be notified by the department of the time and date of these evaluations.

[7] Performance Requirement

[7.1] Ensemble Requirements

Every student registered for applied instruction and every music major will participate in one appropriate large conducted ensemble each semester, as assigned by the faculty. Students pursuing the BM in Composition degree may participate in one appropriate large conducted ensemble, as assigned by the faculty, for a minimum of six semesters. The chair, in consultation with the appropriate applied faculty member and ensemble director and with the student, may substitute a small conducted ensemble or waive the requirement.

[7.2] Specific Requirements

[7.2.1] Recital Attendance—All Music Majors

All BM and BA music majors must successfully complete six semesters of MUS 1000 with a grade of “pass” which requires attendance at 15 recital programs per semester.

This requirement is modified as shown below for transfer students who were music majors at their transfer institutions:

- Freshmen Music Transfers (up to 30 hours completed) 6 semesters required
- Sophomore Music Transfers (30 hours completed) 4 semesters required
- Junior Music Transfers (60 hours completed) 2 semesters required
- Senior Music Transfers (90 hours completed) 1 semester required

Transfer students who were not music majors at their transfer institution must complete six (6) semesters of MUS 1000.

The following additional requirements applying to MUS 1000 should be noted:

- First-semester and second-semester freshmen music majors must register for MUS 1000.
- Students are strongly advised to register for MUS 1000 each subsequent semester until the requirement of 6 semesters is completed.
- A student must be registered for MUS 1000 in order to receive credit for the course. If the course is added after the semester has begun, the student must process the drop/add procedure and will be assessed the drop/add fee.

[7.2.2] BM, Music Education

- Woodwind, brass, and percussion majors must participate in the university ensemble combination (Fall: Bear Marching Band and a concert band; Spring: a concert band) to fulfill large ensemble credit up until the Internship II semester. Students may participate in orchestra as an elective in addition to a concert band.
- String majors must participate in the university orchestra to fulfill large ensemble credit up until the Internship II semester.
- Vocalists must participate in a choir to fulfill the large ensemble credit up until the Internship II semester.
- Piano majors may participate in any large ensemble to fulfill credit up until the Internship II semester; however, they may substitute up to three semesters of accompanying as large ensemble credit.
- During the course of the degree program, it is expected that students will take an appropriate mix of small conducted ensembles and/or chamber music, in addition to the large ensembles, as assigned by the major professor and the advisor.
- Exceptions to this policy require application to the department chair.

[7.2.3] BM, Performance

- Woodwind, brass, and percussion majors must participate in the university band combination (Fall: Bear Marching Band and a concert band; Spring: a concert band or orchestra) each semester to fulfill a large ensemble requirement. Participation in Wind Ensemble through successful audition may be substituted for the university band combination in the fall.
- String majors must participate in the university orchestra each semester to fulfill the large ensemble requirement.

- Vocalists must participate in a choir each semester to fulfill the large ensemble requirement; in addition, they must participate in two contiguous semesters of Opera Workshop. Other equivalent stage experiences may be substituted for the Opera Workshop requirement if approved by the applied instructor.
- Piano majors must participate in a large ensemble each semester in residence. This may include collaborative activity with a university ensemble. Students may substitute up to six semesters of solo accompanying for the large ensemble requirement.
- Guitar majors must participate in a large ensemble each semester to fulfill the large ensemble requirement and may substitute up to two semesters of conducted jazz ensemble as large ensemble credit. In addition, they are required to participate in guitar ensemble as their small ensemble each semester.
- During the course of the degree program, it is expected that students will take an appropriate mix of small conducted ensembles and/or chamber music, in addition to the large ensembles, as assigned by the major professor and the advisor.
- Exceptions to this policy require application to the chairman.

[7.2.4] BM, Composition and BA in Music

- During the course of the degree program, it is expected that students will take an appropriate mix of small conducted ensembles in addition to the large ensembles, as assigned by the major professor and the advisor.

[7.2.5]Upper-Division Qualifying Assessment (UDQA)—All Music Majors

All BM and BA music majors must pass all three sections of the UDQA prior to enrollment in upper-division applied music courses, music history courses, music theory courses, and music education courses. The musicianship portions of the exam (piano and sight-singing) will take place at the end of the fourth semester of musicianship courses (harmony/theory, ear training, and piano courses). The performance section of the exam (applied jury) will take place at the end of the fourth semester of applied study on the student's major instrument/voice.

[7.3] Piano Skills Development

Piano Classes I and II are remedial in nature and do not count toward music degrees. An entering student with adequate preparation will normally enter into Piano Class III. All students enrolled as music majors are required to demonstrate their competence in keyboard skills. This requirement may be met by choosing one of the following options:

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

sufficient keyboard background to qualify may also complete the requirements through the lab session (admittance for non-keyboard majors is by a screening audition at the beginning of the school year).

[7.4] Jury Examinations

At the end of each semester all music majors and minors are required to perform a jury examination in the major and minor applied area of study. Juniors and seniors who have given a satisfactory recital may be exempted from the jury. Examination requirements for persons enrolled in applied music on an elective basis are determined by the individual teacher. The specific jury repertoire requirements are determined by the individual teachers or general areas such as voice or piano.

[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, BA music majors and music education majors may give this recital jointly with another music major or may substitute an alternative project. A bachelor of music performance candidate must, in addition to the senior recital, give a half recital during the junior year. Students planning recitals must confer early in the semester with the department chair.

[8] Music Fees

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

$40.00 per semester for two credit hours (two half-hour lessons or one full-hour lesson per week); $25.00 per semester for one credit hour (one half-hour lesson or two class lessons per week).

For practice facilities:

Piano, voice, guitar: $4.00 per semester for the first daily practice hour, $2.00 for each additional hour; $2.00 per summer term of five weeks for the first 2 daily practice hours, $2.00 for each additional hour.

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

[9] Credit Hours in Applied Music

Credit in applied music is computed as follows (SCH = semester credit hour[s]):

1 SCH: one half-hour lesson per week, 6 hours of practice per week.
2 SCH: one full-hour lesson or two half-hour lessons per week, 12 hours of practice per week.
4 SCH: one full-hour lesson or two half-hour lessons per week, 18 hours of practice per week (applicable to BM in performance students).

Music Course Links

[10.1] Music Theory (MUS)

Follow this link for MUS – Theory course descriptions: course link.

[10.2] Music History and Literature (MUS)

Follow this link for MUS – History and Literature course descriptions: course link.

[10.3] Pedagogy

Follow this link for MUS – Pedagogy course descriptions: course link.

[10.4] Special Courses

Follow this link for MUS – Special Courses course descriptions: course link.

[10.5] Applied Classes (group instruction)

Follow this link for MUS – Applied Classes descriptions: course link.

[10.6] Courses in Music – Applied (MUSA)

Follow this link for MUSA course descriptions: course link.

[10.7] Courses in Music – Ensemble (MUSE)

Follow this link for MUSE course descriptions: course link.

School of Communication

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-fine-arts-and-communication/school-of-communication/

Director and Associate Professor: J. Gale (MA)
Professor: N. Bedner (PhD)
Associate Professor: M. Alston-Miller (PhD), C. Clark (PhD), D. Lampkin Stephens (PhD), J. McIntyre (PhD), S. Payne (PhD), P. Walter (EdD)
Assistant Professor: R. Brown (PhD), A. Hawkins (PhD), A. Hitt (PhD), K. Mattson (PhD), J. Talbot (PhD)
Instructor: J. Overton (MS)
Senior Lecturer: S. Dix (MA), L. Grate (PhD), L. Mongno (MA), E. Stengel (PhD)
Lecturer II: C. Allen (MA), L. Bowles (MEd), T. Colaianni (MA), A. Gardner (MA), T. Gifford (MA), D. Keith (MA), S. Lance (PhD)
Lecturer I: K Bray (MA), L Dilday (PhD), S. Fritzges (MA), T. Phillips (MA), E. Smith (MA)

[1] Purposes

COMMUNICATION: Courses in the program teach students how to effectively gather, analyze, synthesize, and present information to audiences in meaningful and engaging ways. The program focuses on theories, concepts, and best practices in verbal and nonverbal communication, as well as

using different forms of media to inform, educate, and persuade audiences across various contexts and cultures.

PUBLIC RELATIONS: As with the Communication major, students are taught how to gather, analyze, synthesize and present information to various audiences. The program emphasizes strategic research, planning, execution, and evaluation of communication programs for companies, nonprofit organizations, government agencies, and public figures.

We offer Principles of Communication (COMM 1300), which supports the UCA Core program's emphasis on critical inquiry and effective communication, and majors and minors in Communication and Public Relations. Communication and Public Relations focus on theories, concepts, and best practices in verbal and nonverbal communication, as well as using different forms of media to inform, educate, and persuade audiences across various contexts and cultures.

JOURNALISM: We offer professional training in the areas of journalism. We also seek to educate interested non-professionals who seek to become participating members of a knowledgeable audience. Additionally, through broadcast, print, and online productions, students and faculty of the department share their work with mass media audiences. MCOM 1300 Media and Society supports the UCA Core program's emphasis on responsible living, and we offer a major (with broadcast, online, and print options) and minor in journalism.

WRITING: In addition to offering general education writing courses supporting the university's emphasis on writing and thinking skills across the curriculum, we offer a variety of courses in rhetoric and composition, professional and technical writing, and the teaching of writing. We offer majors and minors in writing studies and professional writing. WRTG 1310 Introduction to College Writing and WRTG 1320 Academic Writing and Research support the UCA Core program's emphasis on effective communication.

[2] Facilities and Resources

State-of-the-art facilities support our programs. Journalism is housed in a facility that includes a television production studio, news room, audio studios, Adobe Creative Suite, two computer labs, and production areas.

[3] Honors in the Majors

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Students majoring in journalism may be invited by the faculty of the program to enter the Honors in the Majors program in the first semester of the senior year. To earn honors, students must major in this area and enroll in MCOM 3322. Students will submit a final honors project paper no later than February 1 for May graduation, October 1 for December graduation, or June 1 for August graduation.

[4] Baccalaureate Degrees

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity

I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

To jump directly to a particular program of study, use these links:

Major programs: Communication | Journalism | Public Relations | Writing
Minor programs: Communication | Journalism | Public Relations | Writing Studies | Professional Writing

[4.1] Bachelor of Arts/Bachelor of Science in Communication

The degree of Bachelor of Arts or Bachelor of Science with a major in communication requires the successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses (see the UCA Core requirements); (2) 40 upper-division hours; (3) special BA or BS degree requirements specified by the university; (4) a major as described below; and (5) a minor as arranged through the student's minor advisor.

[4.1.1] Major in Communication (34 hours)

[Back to program-of-study links]

Required Courses (9 hours):

COMM 2308 Perspectives in Communication
COMM 2313 Introduction to Communication Research
COMM 3312 Persuasion **OR**
COMM 3308 Argumentation & Advocacy

Electives (21 hours, chosen from the following):

COMM 3301 Organizational Communication **[UD UCA Core: C, R]**
COMM 3303 Gender Communication
COMM 3307 Interpersonal Communication **[UD UCA Core: D]**
COMM 3310 Advanced Public Speaking
COMM 3311 Evolution of Rhetorical Theory **[UD UCA Core: I]**
COMM 3V21 Communication Internship (variable credit)
COMM 3330 Event Planning
COMM 3370 Intercultural Communication
COMM 4305 African-American Rhetoric
COMM 4310 Presidential Rhetoric
COMM 4315 Communication and Leadership
COMM 4316 Special Topics in Communication
COMM 4318 Crisis Communication
COMM 4320 Nonverbal Communication
COMM 4325 Health Communication
COMM 4330 Family Communication
COMM 4334 Political Communication
COMM 4V80 Directed Study in Communication (variable credit: 1–3 credit hours)

Required Capstone Courses (4 hours):

COMM 4336 Advanced Communication Theory
COMM 4130 Communication Practicum **[UD UCA Core: Z]**

[4.1.2] Minor in Communication (21 hours)

[Back to program-of-study links]

Required Courses (9 hours):

COMM 2308 Perspectives in Communication
COMM 2313 Introduction to Communication Research
COMM 3312 Persuasion **OR**
COMM 3308 Argumentation & Advocacy

Electives (12 hours, chosen from the following, with at least 9 hours at the 3000-/4000-level):

COMM 3301 Organizational Communication **[UD UCA Core: C, R]**
COMM 3303 Gender Communication
COMM 3307 Interpersonal Communication **[UD UCA Core: D]**
COMM 3310 Advanced Public Speaking
COMM 3311 Evolution of Rhetorical Theory **[UD UCA Core: I]**
COMM 3V21 Communication Internship (variable credit)
COMM 3330 Event Planning
COMM 3341 Small Group Communication
COMM 3370 Intercultural Communication
COMM 4305 African-American Rhetoric
COMM 4310 Presidential Rhetoric
COMM 4315 Communication and Leadership
COMM 4316 Special Topics in Communication
COMM 4318 Crisis Communication
COMM 4320 Nonverbal Communication
COMM 4325 Health Communication
COMM 4330 Family Communication
COMM 4334 Political Communication

[4.2] Bachelor of Arts/Bachelor of Science in Journalism

The degree of Bachelor of Arts or Bachelor of Science with a major in mass communication requires the successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses; (2) specific degree requirements; (3) the core journalism courses; (4) required, elective, and application courses for one of the journalism emphasis areas as described below; (5) JOUR 3321 (internship); and (6) a minor as arranged through the student's minor advisor.

[4.2.1] Major in Journalism (43 hours)

[Back to program-of-study links]

Undergraduate Core courses are used to satisfy the lower-division UCA Core requirement in Diversity, Critical Inquiry, Responsible Living, and Effective Communication and Journalism and

Mass Communication courses are used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication. Students will take JOUR 3321, Internship, as the required UCA Core capstone.

Journalism core (21 hours):

MCOM 1300 Media and Society
JOUR 2300 Beginning Reporting
JOUR 2305 Basic Press Photography
JOUR 2325 Principles of Online Journalism
JOUR 2340 Broadcast Journalism Production
JOUR 3308 News Editing **[UD UCA Core: I, C]**
MCOM 3301 Media Law and Ethics **[UD UCA Core: R, D]**

Electives (9 hours, chosen from the following):

JOUR 2301 Broadcast Announcing
JOUR 3122 Directed Study in Communication
JOUR 3222 Directed Study in Communication
JOUR 3300 Advanced Reporting and Editing
JOUR 3305 Publication Design & Makeup
JOUR 3311 Digital Imaging
JOUR 3334 Non-Fiction Writing
JOUR 3345 Online Publishing I
JOUR 3346 Online Publishing II
JOUR 3363 Audio Production
JOUR 3365 Broadcast Management
JOUR 3373 Documentary Production
JOUR 3374 Broadcast Journalism Production II
JOUR 4313 Writing for Electronic Media
JOUR 4315 Broadcast Journalism Production III
JOUR 4331 Investigative Reporting
JOUR 4333 Writing Editorials & Reviews
MCOM 3302 Media History
MCOM 3322 Directed Study in Communication
MCOM 3320 Introduction to Mass Communication Research Methods
MCOM 3307 Theories of Mass Communication
MCOM 3391/4391 Topics in Mass Communication
MCOM 4302 Media Effects
MCOM 4323 Seminar in Mass Communication
PRLS 3310 Writing for Public Relations
WRTG 3310 Technical Writing

Application courses (4 hours):

All students must complete 1 credit hour at each level for a total of 4 hours. (Each level many be repeated for a maximum 2 hours of credit). Broadcast Journalism students must take Electronic Media Applications. Online Journalism students must complete at least one hour of Print and one

hour of Electronic Applications among the four hours. Print Journalism students must take Print Media Applications.

JOUR 1121 Print Media Applications
JOUR 2121 Print Media Applications
JOUR 3121 Print Media Applications
JOUR 4121 Print Media Applications

OR

JOUR 1123 Electronic Media Applications
JOUR 2123 Electronic Media Applications
JOUR 3123 Electronic Media Applications
JOUR 4123 Electronic Media Applications

Internship (3 hours):

JOUR 3321 Internship (120 hours) **[UD UCA Core: Z]**

[4.2.2] Emphasis Areas

Required (6 hours): Must complete both courses in at least one of the four options:

Broadcast Journalism Emphasis:

JOUR 3374 Broadcast Journalism Production II
JOUR 4315 Broadcast Journalism Production III

Online Journalism Emphasis:

JOUR 3345 Online Publishing I
JOUR 3346 Online Publishing II

Print Journalism Emphasis:

JOUR 3300 Advanced Reporting
JOUR 3305 Publication Design & Makeup

[4.2.3] Minor in Journalism (26 hours)

[Back to program-of-study links]

Journalism Minor Core (8 hours):

MCOM 1300 Media and Society
JOUR 2300 Beginning Reporting (Prerequisite WRTG 1320)
JOUR 1121 Print Media Applications **or** JOUR 2123 Electronic Media Applications
JOUR 2121 Print Media Applications **or** JOUR 3123 Electronic Media Applications

Electives (18 hours, chosen from the following courses):

JOUR 2301 Broadcast Announcing
JOUR 2305 Basic Press Photography
JOUR 2325 Principles of Online Journalism
JOUR 2340 Broadcast Journalism Production I
JOUR 3122 Directed Study in Communication

JOUR 3222 Directed Study in Communication
JOUR 3300 Advanced Reporting
JOUR 3305 Publication Design & Makeup
JOUR 3308 News Editing
JOUR 3311 Digital Imaging
JOUR 3334 Non-Fiction Writing
JOUR 3345 Online Publishing I (Prerequisite JOUR 2325)
JOUR 3346 Online Publishing II (Prerequisite JOUR 3345)
JOUR 3363 Audio Journalism
JOUR 3365 Broadcast Management
JOUR 3373 News Documentary Production
JOUR 3374 Broadcast Journalism Production II (Prerequisite JOUR 2340)
JOUR 4313 Writing for Electronic Media
JOUR 4315 Broadcast Journalism Production III (Prerequisite JOUR 3374)
JOUR 4331 Investigative Reporting (Prerequisite JOUR 3300)
JOUR 4333 Writing Editorials and Reviews
MCOM 3320 Introduction to Mass Communication Research Methods
MCOM 3301 Media Law and Ethics
MCOM 3302 Media History
MCOM 3307 Theories of Mass Communication
MCOM 3322 Directed Study
MCOM 3391/4391 Topics in Mass Communication
MCOM 4302 Media Effects
MCOM 4323 Seminar in Mass Communication
PRLS 3310 Writing for Public Relations
WRTG 3310 Technical Writing

Prerequisite courses for all other courses – except Media Applications, MCOM 1300, and JOUR 2300 – may be taken concurrently.

[4.3] Bachelor of Arts/Bachelor of Science in Public Relations

The degree of Bachelor of Arts or Bachelor of Science with a major in public relations requires the successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses (see the UCA Core requirements); (2) 40 upper-division hours; (3) special BA or BS degree requirements specified by the university; (4) a major as described below; and (5) a minor as arranged through the student's minor advisor.

[4.3.1] Major in Public Relations (39 hours)

[Back to program-of-study links]

Core Courses (18 hours):

MCOM 3301 Media Law and Ethics
PRLS 2305 Introduction to Public Relations
COMM 2308 Perspectives in Communication
COMM 2313 Introduction to Communication Research

COMM 3301 Organizational Communication **[UD UCA Core: C, R]**
COMM 3308 Argumentation and Advocacy **OR**
COMM 3312 Persuasion

Application Courses (18 hours):

JOUR 2300 Beginning Reporting
JOUR 3305 Publication Design and Makeup
PRLS 3305 Public Relations Techniques
PRLS 3310 Writing for Public Relations **[UD UCA Core: D]**
PRLS 4305 Public Relations Cases and Campaigns **[UD UCA Core: Z]**
PRLS 4308 Public Relations Management **[UD UCA Core: I]**

Electives (3 hours, chosen from the following):

PRLS 3V21 Public Relations Internship (variable credit: 1-4 credit hours)
PRLS 4310 Nonprofit Public Relations
PRLS 4312 Multicultural Public Relations
PRLS 4316 Special Topics in Public Relations
PRLS 4V80 Directed Study in Public Relations (variable credit, 1-3 credit hours)
COMM 3310 Advanced Public Speaking
COMM 3330 Event Planning
COMM 3341 Small Group Communication
COMM 3370 Intercultural Communication
COMM 4315 Communication and Leadership
COMM 4318 Crisis Communication
COMM 4325 Health Communication
COMM 4334 Political Communication

[4.3.2] Minor in Public Relations (21 hours)

[Back to program-of-study links]

Required Courses at 2000 level (6 hours):

PRLS 2305 Introduction to Public Relations
COMM 2308 Perspectives in Communication

Required Courses at 3000/4000 level (9 hours):

PRLS 3305 Public Relations Techniques
PRLS 4308 Public Relations Management **[UD UCA Core: I]**
COMM 3301 Organizational Communication **[UD UCA Core: C, R]**

Plus two courses to be selected from the following (6 hours):

PRLS 4310 Nonprofit Public Relations
PRLS 4316 Special Topics in Public Relations
COMM 3310 Advanced Public Speaking
COMM 3370 Intercultural Communication
COMM 4315 Communication and Leadership
COMM 4318 Crisis Communication

COMM 4325 Health Communication
COMM 4334 Political Communication

[4.4] Bachelor of Arts in Writing

The degree of Bachelor of Arts with a major in Writing requires successful completion of 120 hours, including (1) the UCA Core: completion of 38 hours to meet lower-division UCA Core requirements and completion of upper-division UCA Core requirements using designated courses (see the UCA Core requirements); (2) completion of a sophomore-level foreign language course; (3) completion of major requirements as described below; (4) 40 upper-division hours; and (5) completion of a minor.

[4.4.1] Major in Writing (36 hours)

[Back to program-of-study links]

Writing Core courses are used to satisfy the lower-division UCA Core requirement in Responsible Living (R) and the upper-division UCA Core requirement in Diversity (D), Critical Inquiry (I), Responsible Living (R), and Effective Communication (C). Students will take WRTG 4308 Writing for Change as the required UCA Core capstone.

Writing Core Courses (12 hours):

WRTG 2325 Introduction to Rhetoric
WRTG 3305 Writing as Information Design
WRTG 3310 Technical Writing **[UD UCA Core: C]**
WRTG 3390 Discourse Analysis **[UD UCA Core: I, R]**

[4.4.1.1] Writing Studies Track (24 hours)

Required Courses (15 hours):

LING 2320 Introduction to Language and Linguistics
CRWR 2310 Introduction to Creative Writing
One Creative Writing forms course; prerequisite WRTG 2310
One upper-division linguistics course
One upper-division rhetoric or professional writing course

Choose Three (9 hours):

LING 3315 Semantics
LING 3325 Sociolinguistics **[UD UCA Core: D]**
LING 4320 Grammatical Structures
LING 4330 Educational Linguistics **[UD UCA Core: C]**
COMM 3311 Evolution of Rhetorical Theory
COMM 3312 Persuasion
Any creative writing **forms** course
Any creative writing **workshop**
WRTG 3306 Information Design II: Usability and Accessibility
WRTG 3307 Introduction to Editing
WRTG 3315 Writing Center Practicum
WRTG 4305 Composition Theory and Pedagogy
WRTG 4306 Information Design III: Clients and Project Management

WRTG 4308 Writing for Change **[UD UCA Core: Z]**
WRTG 4309 Introduction to Publishing
WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
CRWR 4324 Topics in Creative Writing **[UD UCA Core: Z]**
CRWR 4340 Teaching Creative Writing
WRTG 4381 Special Topics in Writing
WRTG 4385 Internship in Writing
WRTG 4V80 Directed Study in Writing (variable credit: 1–3 credit hours)

[4.4.1.2] Professional Writing Track (24 hours)

Required Courses (9 hours):

WRTG 3306 Information Design II: Usability and Accessibility
WRTG 3310 Technical Writing **[UD UCA Core: C]**
WRTG 4308 Writing for Change **[UD UCA Core: Z]**

Choose Three (9 hours):

WRTG 3307 Introduction to Editing
WRTG 4305 Composition Theory and Pedagogy
WRTG 4306 Information Design III: Clients and Project Management
WRTG 4309 Introduction to Publishing
WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
WRTG 4385 Internship in Writing

Choose Two (6 hours):

LING 2320 Introduction to Language and Linguistics
LING 3315 Semantics
LING 3325 Sociolinguistics **[UD UCA Core: D]**
LING 4320 Grammatical Structures
LING 4360 Historical Linguistics and Language Change
LING 4370 Field Methods in Linguistics **[UD UCA Core: R, I]**
COMM 3311 Evolution of Rhetorical Theory
COMM 3312 Persuasion
CRWR 2310 Introduction to Creative Writing
Any creative writing **forms** course
Any creative writing **workshop**
WRTG 3307 Introduction to Editing
WRTG 3315 Writing Center Practicum
WRTG 4305 Composition Theory and Pedagogy
WRTG 4306 Information Design III: Clients and Project Management
WRTG 4309 Introduction to Publishing
WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
CRWR 4324 Topics in Creative Writing
CRWR 4340 Teaching Creative Writing
WRTG 4381 Special Topics in Writing
WRTG 4385 Internship in Writing
WRTG 4V80 Directed Study in Writing (variable credit: 1–3 credit hours)

[4.4.2] Minors in Writing (24 hours)

[4.4.2.1] Minor in Writing Studies (24 hours)

[Back to program-of-study links]

Required courses (18 hours):

LING 2320 Introduction to Language and Linguistics (prerequisite WRTG 1320)
CRWR 2310 Introduction to Creative Writing (prerequisite: WRTG 1320) **[ACTS: ENGL2013]**
WRTG 2325 Introduction to Rhetoric
WRTG 3310 Technical Writing (prerequisite: WRTG 1320 and at least junior standing) **[UD UCA Core: C]**
One creative CRWR forms course (prerequisite: CRWR 2310)
One upper-division linguistics course

Electives (6 hours, chosen from the following):

LING 3315 Semantics
LING 3325 Sociolinguistics **[UD UCA Core: D]**
LING 4320 Grammatical Structures (prerequisite LING 2320)
LING 4330 Educational Linguistics (prerequisite WRTG 1320) **[UD UCA Core: C]**
Any creative writing **forms** course (prerequisite: CRWR 2310)
Any creative writing **workshop** (prerequisite: CRWR 2310 and the appropriate forms course)
WRTG 3305 Writing as Information Design (prerequisite: WRTG 1320)
WRTG 3306 Information Design II: Usability and Accessibility (prerequisite: WRTG 3305)
WRTG 3307 Introduction to Editing (prerequisite: at least junior standing)
WRTG 3315 Writing Center Practicum
WRTG 3390 Discourse Analysis **[UD UCA Core: I, R]**
WRTG 4V80 Directed Study in Writing (variable credit 1-3 hours)
WRTG 4305 Composition Theory and Pedagogy (prerequisite: WRTG 1320)
WRTG 4306 Information Design III: Clients and Project Management (prerequisite: WRTG 3306)
WRTG 4308 Writing for Change (prerequisite:at least junior standing or permission of the instructor) **[UD UCA Core: Z]**
WRTG 4309 Introduction to Publishing (prerequisite: WRTG 3305)
WRTG 4320 Intercultural Rhetoric and Writing (prerequisite: WRTG 1320) **[UD UCA Core: D]**
CRWR 4324 Topics in Creative Writing (prerequisite: WRTG 2310 and completion of six hours of upper-division creative writing courses) **[UD UCA Core: Z]**
CRWR 4340 Teaching Creative Writing (prerequisite: WRTG 2310)
WRTG 4381 Special Topics in Writing (prerequisite: senior status and writing major or minor)
WRTG 4385 Internship in Writing (prerequisite: WRTG 1310, 1320, one 3000 level writing course, and consent of department chair)
COMM 3311 Evolution of Rhetorical Theory (prerequisite COMM 1300)
COMM 3312 Persuasion (prerequisite: COMM 1300 or consent of instructor)

[4.4.2.2] Minor in Professional Writing (24 hours)

[Back to program-of-study links]

Required courses (15 hours):

WRTG 2325 Introduction to Rhetoric
WRTG 3305 Writing as Information Design
WRTG 3306 Information Design II: Usability and Accessibility
WRTG 3310 Technical Writing **[UD UCA Core: C]**
WRTG 3390 Discourse Analysis **[UD UCA Core: I, R]**

Electives (9 hours) from the following:

COMM 3311 Evolution of Rhetorical Theory
COMM 3312 Persuasion
WRTG 3307 Introduction to Editing
WRTG 4306 Information Design III: Clients and Project Management
WRTG 4308 Writing for Change **[UD UCA Core: Z]**
WRTG 4309 Introduction to Publishing
WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
WRTG 4V80 Directed Study in Writing (variable credit: 1-3 credit hours)
WRTG 4381 Special Topics in Writing
WRTG 4385 Internship in Writing

[5] Resources

[5.1] The UCA Writing Center

The UCA Writing Center, located in Thompson Hall 109, http://www.uca.edu/writingcenter, offers individual assistance with all types of writing and oral presentations. Students may schedule time with a trained peer tutor and use the center's computers, video cameras, and writing materials to develop essays or presentations for any course at the university. The center also provides handouts and free workshops on various oral and written communication topics. Call 450-5123 for appointments.

[6] Course Links

Follow this link to COMM course descriptions: course link.

Follow this link to CRWR course descriptions: course link.

Follow this link to JOUR course descriptions: course link.

Follow this link to LING course descriptions: course link.

Follow this link to MCOM course descriptions: course link.

Follow this link to PRLS course descriptions: course link.

Follow this link to WRTG course descriptions: course link.

College of Health and Behavioral Sciences

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/

Dean and Professor: J. Ishee (PhD), 450-3122
Associate Dean and Professor: J. Rainey (PhD), 450-3123

[1] Mission

The College of Health and Behavioral Sciences is dedicated to the enhancement of the health and well-being of the public through the preparation of professionals, the development and advancement of knowledge and service to its constituencies. Exception undergraduate and graduate programs are offered in an environment that emphasizes leadership development, cultural competence, ethical practice, lifelong learning, and interdisciplinary collaboration. The achievement of a culturally bias free learning environment that honors diversity is central to all of our programs.

[2] Departments

Communication Sciences and Disorders
Family and Consumer Sciences
Health Sciences
Kinesiology and Physical Education
Military Science and Leadership
Nursing
Occupational Therapy
Physical Therapy
Psychology and Counseling

[3] Curricula

Bachelor of Arts (BA)

Psychology
Interior Design

Bachelor of Science (BS)

Addiction Studies
Athletic Training
Communication Sciences and Disorders
Family and Consumer Sciences
Health Education
Health Sciences (emphasis in Gerontology, Health Services Administration, and Physical Therapy)
Interior Design
Kinesiology
Medical Technology
Nuclear Medicine Technology
Nutrition
Psychology
Radiography

Bachelor of Science in Education (BSE)

Family and Consumer Sciences Education
Kinesiology and Physical Education

Bachelor of Science in Nursing (BSN)

Bachelor of Professional Studies (BPS)

The BPS offers tracks in (1) Health and Safety and (2) Leadership and Technology

Minors

Addiction Studies
Communication Sciences and Disorders
Family and Consumer Sciences
Gerontology
Health Education
Kinesiology and Physical Education
Military Science
Psychology

Master of Science (MS)

Family and Consumer Sciences (general, dietetics/nutrition, clothing, textiles and fashion)
Health Sciences
Kinesiology (fitness, pedagogy, and sport leadership)
Mental Health Counseling
Occupational Therapy (entry-level)
School Psychology

Master of Science in Nursing (MSN)

The MSN program includes advanced nursing practice and nurse educator tracks.

Doctoral Degrees

Doctor of Nursing Practice (DNP)
Doctor of Physical Therapy (DPT) (professional and post-professional)
Doctor of Philosophy in Communication Sciences and Disorders (PhD)
Doctor of Philosophy in Physical Therapy (PhD)
Doctor of Philosophy in School Psychology (PhD) (also Counseling Psychology Emphasis)

Non-Degree Programs

Pre-Cardio Respiratory Care
Pre-Dental Hygiene
Military Science

Department of Communication Sciences and Disorders

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-communication-sciences-and-disorders/

Chair and Associate Professor: D. Lance (PhD) , 450-5480
Associate Professor: B. Gregg (PhD), J. Thurman (EdS)
Assistant Professor: M. Biller (PhD), S. Kim (PhD), T. Paramby (CScD), B. Magimairaj (PhD), J. Yang (PhD)
Clinical Instructor: N. Benafield (AuD), L. Dial (MS), K. McDaniel (MSE), C. Robinson (MS), R. Weese (MS)

[1] Description

Definition. Speech-Language Pathology is the health-care profession involved in preventing, evaluating, and treating speech, language, and swallowing disorders in individuals of all ages. Speech-language pathologists hold either a master's or doctoral degree and have earned the Certificate of Clinical Competence (CCC) from the American Speech-Language-Hearing Association (ASHA), the national professional, scientific, and accrediting organization. Speech-language pathologists work in a wide variety of settings such as public and private schools, hospitals, clinics, health departments, rehabilitation centers, and private practice.

Purposes. The undergraduate program in Communication Sciences and Disorders provides the academic background necessary for professional education in speech-language pathology or audiology at the graduate level. The master's degree is the entry level for those who plan to pursue careers as speech-language pathologists in schools, hospitals, community centers, university clinics, and other professional settings. The undergraduate program provides basic content courses relating to the processes of speech, language, and hearing, with introductory courses in the disorders of human communication.

Clinical Practicum. The department maintains an on-campus Speech-Language-Hearing Center where student clinicians, under the supervision of faculty who are licensed in speech-language pathology or audiology, complete clinical observations.

[2] Honors in Communication Sciences and Disorders

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Upon completion of 72 hours (with 12 hours in the major), a student may be invited by the faculty to pursue Honors in Communication Sciences and Disorders. To be eligible, a student must have a minimum 3.25 overall GPA and a 3.4 in the major. After working with a faculty mentor and completing CSD 4350 Honors in Communication Sciences and Disorders, students must submit written evidence of a research paper or project and make a formal presentation to the faculty and students.

[3] Admission and Retention

Enrollment in the following courses is open to all students: CSD 2300 Introduction to Communication Sciences and Disorders, CSD 2322 Applied Phonetics, CSD 2306 Neuroscience for Communication Sciences and Disorders, CSD 2303 Basic Sign Language, CSD 4303 Intermediate Sign Language, and CSD 4310 Assistive Technology.

All other courses in the Department of Communication Sciences and Disorders require declaration of Communication Sciences and Disorders as the major and consultation with a Communication Sciences and Disorders undergraduate advisor before enrolling. Many upper division courses require prerequisites or consent from the instructor prior to enrolling.

Anyone can declare CSD as a major. However, students must maintain a 2.75 overall GPA and a 3.0 GPA in CSD courses. Students with GPAs less than these minimums will be on academic probation. Once on probation, students will be allowed to continue taking courses in the major. However, in the following semester students need to achieve the minimum overall and/or major GPA to continue as an undergraduate major in CSD. If a student receives a D or F in any CSD course, the course must be repeated before the student can graduate.

This is a professional degree program. Students are required to observe the fundamental rules of ethical conduct as described in the Code of Ethics of the American Speech-Language-Hearing Association. Students are expected to display behaviors that meet non-academic criteria that are important in the discipline of Communication Sciences and Disorders. Consequently, students are required to meet the following criteria:

1. Oral, non-verbal, and written communication abilities adequate to function in the discipline of Communication Sciences and Disorders. The program adheres to ASHA's position statement, "Students and Professionals Who Speak English with Accents and Nonstandard Dialects."
2. Auditory ability adequate for assessing speech-language problems and providing treatment.
3. Interpersonal behaviors consistent with appropriate clinical skills and professional standards.

Assessment of non-academic requirements involves the professional judgments of faculty and administrators. It is crucial that client and patient rights to appropriate speech and language services be protected. It is the University's responsibility to protect both students and the clients they serve. The UCA Speech and Hearing Center faculty deals with these issues through regular reviews of student progress during faculty meetings. Potential problems are raised as soon as possible with the student, remediation procedures are suggested, and the student is given time to respond. On occasion, it is necessary to counsel students out of the program for non-academic reasons. Before arriving at such a decision, there is extensive discussion, clear feedback to the student regarding the problems, and agreement among faculty as to the course of action. The intention of this policy is to give students a fair opportunity to succeed.

[4] Baccalaureate Degree: Bachelor of Science

The Bachelor of Science degree in Communication Sciences and Disorders requires successful completion of 120 hours, including: (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements); and complete upper-division UCA Core requirements using designated major, minor, or elective courses; (2) degree requirements of (a) one of the following chemistry/physics courses: CHEM 1402 or CHEM 1450 or PHYS 1405 or PHYS 1410 or PHYS 1441; (b) PSYC 2330 Statistics, 3 hours; and (c) the science track for BS: (BIOL 1440 plus two additional four-hour biology courses); (3) 46 hours within the department; and (4) the option to complete a minor as worked out with the student's minor advisor or the option to choose, in consultation with the student's major advisor, 16 hours of elective courses that would support the major.

[4.2] Major in Communication Sciences and Disorders (46 hours)

Elective and required science courses are used to satisfy the lower-division UCA Core requirements in Diversity, Critical Inquiry, Communication, and Responsible Living. For upper-division UCA Core requirements in Diversity, Critical Inquiry, Communication, and Responsible Living students will take CSD 4311 Audiology, CSD 4315 Aural Rehabilitation, and CSD 4340 Research Principles and Practice. Students will take CSD 4343 Capstone in Communication Sciences and Disorders as the required UCA Core capstone.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Major requirements in Communication Sciences and Disorders (46 hours):

CSD 2300 Introduction to Communication Sciences and Disorder
CSD 2306 Neuroscience for Communication
CSD 2322 Applied Phonetics
CSD 3301 Articulation and Phonological Disorders
CSD 3306 Anatomy and Physiology for Communication Science and Disorders
CSD 3311 Fundamentals of Speech and Hearing Science
CSD 3321 Language Acquisition and Literacy
CSD 3335 Birth to Five: Assessment and Intervention
CSD 4311 Audiology **[UD UCA Core: R]**
CSD 4315 Aural Rehabilitation **[UD UCA Core: D]**
CSD 4325 Clinical Methods
CSD 4326 Diagnostic Methods
CSD 4343 Capstone in Communication Sciences and Disorders **[UD UCA Core: Z]**
CSD 4340 Research Principles and Practice **[UD UCA Core: C, I]**
CSD 4400 Language Disorders Across the Lifespan

[5] Masters Degree

See the *Graduate Bulletin*.

[6] Courses in Communication Sciences and Disorders (CSD)

Follow this link for CSD course descriptions: course link.

Department of Exercise and Sport Science

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-exercise-and-sport-science/

Chair and Associate Professor: S. Tucker (PhD), 450-5702
Professor: J. Ishee (PhD)
Associate Professor: A. Bruenger (PhD), M. Gallagher (PhD)
Assistant Professor: W. Hedderson (PhD), H. Lee (PhD), T. Lowder (PhD)
Instructor: Z. Damon (MBA)
Senior Clinical Instructor: K. Eskola (MS)
Clinical Instructor II: A. Crawford (MS), E. Epping (MA), S. Hornor (MA), D. Strickland (MA)
Clinical Instructor I: S. Engle (MS), K. Griffin (MS), C. Hervey (MSE), , B. Sessum (MSE), A. Smith (MS)

[1] Mission

The mission of the Department of Exercise and Sport Science is to mentor undergraduate and graduate students through education, scholarship, and service, by advancing evidence-based practice across athletic training, exercise science, and physical education while enhancing wellness, productivity, and quality of life.

[2] Undergraduate Programs

Use these links to jump directly to a program of study:
BSE, Kinesiology & Physical Education | Coaching Endorsement | BS, Exercise Science | BS, Athletic Training
Exercise Science tracks: Clinical Exercise Science | Pre-Athletic Training

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[2.1] BSE, Kinesiology and Physical Education – Physical Education Teacher Education (PETE)

[Back to Navigation Links]

The degree of Bachelor of Science in Education, with a major in Kinesiology and Physical Education (K-12) – the Physical Education Teacher Education (PETE) program – requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see UCA Core requirements) and complete upper-division UCA Core requirements using major and/or designated courses; (2) physical education core and major requirements (45 hours); (3) College of Education course requirements for licensure as listed below; and (4) required courses in health education also listed below.

Upon successful completion of the Physical Education-Teacher Education (PETE) program, teacher candidates will be recommended to the Arkansas Department of Education for the initial teaching license.

A grade of C or better is required in all EXSS, PETE, and H ED courses. The PETE Program is an admissions program.

An emphasis in Health Education is required (11 hours). For more information about a minor in Health Education, see Health Education Minor in this Bulletin.

[2.1.1] Major in K-12 Physical Education – Teacher Education (PETE)

EXSS Core Curriculum (17 hours):

EXSS 2381 Anatomical Kinesiology
EXSS 3303 Exercise Physiology
EXSS 3382 Biomechanics **[UD UCA Core: I]**
EXSS 4230 Fitness Assessment and Exercise Prescription
EXSS 4320 Measurement and Evaluation in Human Performance **[UD UCA Core: Z]**
EXSS 4395 Sport in American Society **[UD UCA Core: D]**

K-12 Major Requirements (43 hours):

PETE 1230 Teaching Conditioning Activities and Beginning Weight Training
PETE 2220 Teaching Individual Sports
PETE 2230 Teaching Team Sports
PETE 2223 Teaching Outdoor Education and Recreational Games
PETE 2250 Teaching Dance and Rhythmical Activities
PETE 2300 Principles of Kinesiology and Physical Education
EXSS 2340 Motor Development and Learning
EXSS 3316 Curriculum
PETE 3330 Physical Education for Elementary Grades **[UD UCA Core: R]**
PETE 3363 Adapted Physical Education
PETE 4310 Methods and Materials of Secondary Physical Education
PETE 4380 Internship I: Physical Education and Health
PETE 4690 Internship II
PETE 4691 Internship II

Health Education course requirements (11 hours):

H ED 2201 First Aid
H ED 2320 Mental Health
H ED 3300 Health Education Methods and Materials **[UD UCA Core: C]**
H ED 3325 Disease Management for Health Promotion

College of Education course requirements for licensure (11 hours):

EDUC 1300 Education as a Profession
EDUC 3322 Diverse Learners in Inclusive Settings
EDUC 4210 Integration of Technology in Teaching & Learning
MSIT 4325 Disciplinary Literacy

[2.1.2] PETE Admission, Retention, and Exit Requirements

[2.1.2.1] Admission

In addition to the College of Education's admission requirements (see http://uca.edu/ocs/admission-retention-and-exit-requirements/), pre-PETE students must successfully complete the following PETE program admission requirements.

1. Complete a minimum of forty-five (45) credit hours with a cumulative and major grade point average of 2.7 or higher on a 4.0 scale.
2. Complete EXSS 1320 with a grade of C or better.
3. Complete the following required courses with a grade of C or better: PETE 2224 or 2225 or 2226 or 2230 (team sports); PETE 1230 (fitness); PETE 2212 or 2213 or 2214 or 2220 (individual sports); PETE 2223 (outdoor education and recreational games); PETE 2250 (dance); PETE 2300 and EXSS 2381. Note: pre-PETE students must demonstrate proficiency in team sports, fitness, outdoor education and recreational games and dance. Proficiency standards are included in the respective course syllabi.
4. Complete H ED 2201 with a grade of C or better. While H ED 2201 is the only required pre-admission health education course, a grade of a C or better and a grade point average of 2.5 or higher must be earned in all health education courses completed prior to the time of application.
5. Complete the following courses with a grade of C or better (BIOL 1400 or BIOL 1440, EDUC 1300, WRTG 1310, WRTG 1320, MATH 1390 or 1392 or 1395 or 1491 or 1496 or 1580, and COMM 1300.
6. Complete CSCI 1300/MIS 2343 – Educational Technology Skills or equivalent with a grade of C or better OR pass the Educational Technology Competency Exam. Testing schedules and registration information for the exam, as well as a study guide and tutorials, are available (see:http://uca.edu/tlc/compexam/).
7. Pass the PETE Fitness Test comprised of the following items: (a) 1.5 mile run, (b) sit-ups, (c) push-ups, (d) trunk flexion, and (e) body composition. Students initially complete the PETE Fitness Test while enrolled in PETE 1230. Should a student fail to pass all test items while enrolled in PETE 1230, two fitness test administrations are given each semester and one during the summer. Students should check with their academic advisors regarding testing dates, times and location.
8. Pass the PRAXIS Core Assessment : Reading 156, Mathematics 150, and Writing 162. Students are advised to take the PRAXIS I exam prior to their sophomore year. Students are required to submit a copy of the entire PRAXIS Core test booklet for each test taken regardless of the score earned. Admission to the program will be delayed until minimum scores on each test are achieved and documented. For the most current exam information, refer to http://www.ets.org/praxis/ar?WT.ac=praxishome_states_121126.
9. Earn a passing score on the Developmental Portfolio prior to the established deadlines set by the PETE program.
10. Maintain professional dispositions/behaviors in interactions and communications with faculty, peers, and other professionals. Professional dispositions and behaviors are evaluated in each required major course. Information regarding criteria and assessment of professional dispositions/behaviors is included in each major course syllabus.

11. Submit two recommendations supporting admission's application to the College of Education. Recommendations must be submitted by student's PETE 2300 and EDUC 1300 instructors.
12. Complete a successful interview and receive a positive recommendation for admission from the PETE faculty serving on the admissions committee.

Upon admission to the PETE program, teacher candidates must: Purchase a subscription to Chalk and Wire, an online system through which teacher candidates' assessments are collected, evaluated, and stored for analysis. Chalk and Wire is used by all teacher education programs. A subscription may be purchased for one year and then renewed for a subsequent year or a two-year subscription may be purchased. (see: http://uca.edu/tlc/chalkandwire/).

[2.1.2.2] Program Retention Requirements (Level I)

In addition to the College of Education's retention requirements (see: http://www.uca.edu/education/studentresources/). PETE teacher candidates must:

1. Maintain a cumulative and major grade point average of 2.7 or higher on a 4.0 scale.
2. Completion of required EXSS/PETE core and major courses with a grade of C or better.
3. Completion of required EDUC/MSIT courses with a grade of C or better.
4. Complete early field experiences and PETE 4380 – Internship I. Teacher candidates should be knowledgeable of and adhere to the regulations and policies contained in the *Early Field Handbook* and the related policies, information, forms, and candidates' responsibilities (see: http://uca.edu/education/candidateinfo/).
5. Maintain a subscription to Chalk and Wire throughout enrollment in the PETE program. (see: http://uca.edu/education/chalkandwire).
6. Submit documentation of continued membership in national and student professional organizations while enrolled in the PETE program.
7. Submit documentation of participation in a minimum of three professional service activities each semester while enrolled in the PETE program.
8. Maintain professional dispositions/behaviors in interactions and communications with faculty, peers, and other professionals. Professional dispositions and behaviors are evaluated in each required major course.
9. Earn an acceptable score on the summative evaluation of the Level I performance standards based upon Teacher Excellence and Support System (TESS) during PETE 4380 – Internship I to advance from Level I to Level II.
10. Submit a copy of each entire score report for each PRAXIS II Subject Area Test taken regardless of the score earned. Students will submit each score report of the PRAXIS II Subject Area Test to the PETE 4380 – Internship I instructor. For the most current exam information and passing score refer to http://www.ets.org/praxis/ar?WT.ac=praxishome_states_121126. Should a teacher candidate fail to meet the passing score by the end of the term of enrollment in PETE 4380 – Internship I, an X grade will be awarded. **A passing score on the PRAXIS II Subject Areas Test is required in order to enroll in PETE 4690/4691- Internship II (student teaching).** Note: effective January 1, 2011, teacher candidates who register for PETE 4690/4691 – Internship II will be assessed a $250 course fee by the College of Education. This fee will be assessed in

addition to the tuition and registration fees assessed by the university. (effective – January 1, 2011).

[2.1.2.3] Program Exit Requirements (Level II)

In addition to the College of Education's exit requirements (see: http://uca.edu/education/studentresources/), teacher candidates must successfully complete the following Physical Education-Teacher Education (PETE) program exit requirements.

1. Maintain a cumulative, major, health education, and/or minor grade point average of 2.7 or higher on a 4.0 scale.
2. Complete PETE 4690/4691 – Internship II with a grade of C or better.
3. Adhere to all policies and procedures outlined in the Internship II Information page. Requirements and criteria for success are included in the Internship II course syllabus.
4. Submit a copy of each entire score report for each Principles of Learning and Teaching (PLT) Test taken regardless of the score earned. Students must document passage of the Principles of Learning and Teaching Test by the end of the semester of enrollment in PETE 4690/4691 – Internship II. Candidates may select one of the approved PLT Tests. Refer to http://www.ets.org/praxis/ar?WT.ac=praxishome_states_121126. Should a teacher candidate fail to meet the passing score by the end of the semester enrollment in PETE 4690/4691-Internship II, X-grades will be awarded. Note: a candidate cannot complete the degree program until this requirement is met.
5. Earn an acceptable score on the summative evaluation of the Level II performance standards based upon Teacher Excellence Support System (TESS) during PETE 4690/4691 – Internship II.
6. Earn a passing score on the Internship II Final Portfolio submitted through Chalk and Wire. The content, grading rubric, and deadlines for submission and completion are presented during candidates' enrollment in PETE 4690/4691 – Internship II. Should a candidate fail to meet the passing score on the final portfolio by the stipulated deadline, X grades in PETE 4690/4691 will be awarded.
7. Earn a passing score from the PETE faculty on the oral presentation of the Internship II Final Portfolio. Note: the oral presentation of the portfolio cannot be scheduled until a passing score on the final portfolio is achieved. Should a candidate fail to earn a passing score on the oral presentation by the end of the semester of enrollment in PETE 4690/4691 – Internship II, X grades will be awarded.
8. Demonstrate professionalism through continued membership in SHAPE America (Society of Health and Physical Educators) and membership in at least one additional professional organization (e.g. ArkAHPERD).

[2.2] Coaching Program of Study

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

1. Hold or be eligible to hold an initial/standard teaching licensure.

2. Complete the following 25 hours of course work: PETE 2300; EXSS 2340, 2381, 3303, 3331, 3382, 4230, and 4395 with a grade of C or better; and one of these coaching courses – EXSS 3210, 3211, 3212, 3213, or 3214 – with a grade of C or better.
3. Pass the coaching licensure exam designated by the Arkansas State Department of Education – Physical Education: Content and Design test #0095 (paper) or test #5095 (computer). A score of 169 or better is required. [PETE majors take Praxis II #5857]

For further information about licensure issues related to coaching, contact the Department of Exercise and Sport Science (450-5701) or the Office of Candidate Services (450-3131).

[2.3] BS, Exercise Science

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The degree of Bachelor of Science with a major in Exercise Science requires successful completion of 120 hours with a minimum of 40 upper-division hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); and (2) the degree component. No minor is required.

Students have the option of completing a BS in Exercise Science without a concentration, a BS in Exercise Science with a concentration in Clinical Exercise Science, or a BS in Exercise Science with a concentration in Pre-Athletic Training. Lower-division UCA Core (general education) courses do not count toward the required hours for the major. A grade of C or better is required in all courses.

[2.3.1] Major in Exercise Science (no concentration)

EXSS Core Curriculum (18 hours)

EXSS 2340 Motor Development and Learning
EXSS 2381 Anatomical Kinesiology
EXSS 3303 Exercise Physiology
EXSS 3382 Biomechanics **[UD UCA Core: I]**
EXSS 4320 Measurement and Evaluation in Human Performance **[UD UCA Core: Z]**
EXSS 4395 Sport in American Society **[UD UCA Core: D]**

Exercise Science Requirements (32 hours)

EXSS 1310 Introduction to Exercise Science
EXSS 2320 Fitness Assessments in Exercise Science
EXSS 3331 Care and Prevention of Exercise and Sports Injuries
EXSS 3348 Exercise Prescription for General Populations **[UD UCA Core: R]**
EXSS 3350 Obesity Prevention and Management
EXSS 3352 Exercise Prescription for Special Populations
EXSS 3353 Exercise Prescription for Senior Populations
EXSS 4351 Sport and Fitness Administration **[UD UCA Core: C]**
EXSS 4V99 Internship in Exercise Science
H ED 2201 First Aid
NUTR 1300 Foundations of Nutrition

Statistics Requirement (3 hours)

MATH 2311 Elementary Statistics, or
PSYC 2330 Psychological Statistics, or
SOC 2321 Social Statistics

Psychology Requirement (3 hours)

PSYC 2370 Development Psychology, or
PSYC 3370 Sports Psychology, or
PSYC 4320 Abnormal Psychology

Nutrition Requirement (3 hours)

NUTR 3370 Advanced Nutrition, or
NUTR 4315 Sports Nutrition

Major Requirements (15 hours)

EXSS 4323 Group Exercise Leadership
EXSS 4376 Advanced Strength and Conditioning

In addition to EXSS 4323 and 4376, select three from the following elective pool:

FACS 2341 Lifespan Development
H ED 3325 Disease Management for Health Promotion
H ED 4300 Community Health Problems
H ED 4303 Environmental Health Problems
MGMT 2341 Principles of Management
MGMT 3305 Social Issues in Management
MGMT 3310 Fundamentals of Entrepreneurship
MKTG 2350 Basic Marketing

Special Degree Requirements

See the BS special degree requirements here: Bachelor of Science.

[2.3.1.1] Field Experiences/Internship Retention and Program Exit Requirements

Retention in Field Experiences/Internship

A student may be removed from a field experience, clinical, or internship when any of the following occurs:

- The appropriate authority states that the student's presence in the classroom and/or clinical site is not in the best interest of the school's students or the clinic's clients and/or the appropriate authority requests that the student be removed.
- The student exhibits unprofessional, unethical, and/or unlawful behavior.
- A decision has been made that the student cannot receive a grade of C or better in a field experience or internship course.

Program Exit Requirements

Students must complete the following requirements and submit the following documentation to the chair of the Department of Exercise and Sport Science prior to graduation.

1. Application for Graduation by the deadline established by the university and listed in the academic calendar.
2. A minimum of a 2.0 cumulative, major and minor grade point average.
3. Completion of required EXSS core and major courses with a grade of C or better.

[2.3.2] Major in Exercise Science, Concentration in Clinical Exercise Science

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The goal of this program concentration is to prepare students for careers working with clinically significant populations such as in cardiopulmonary rehabilitation to address the needs within the state of Arkansas and the rest of the country for qualified clinical exercise specialists working with high risk individuals of cardiovascular, pulmonary, metabolic, and cancer.
With this concentration, students would gain education and training that would contribute to their preparation in taking the American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR) Certified Cardiac Rehabilitation Professional and the American College of Sports Medicine (ACSM) Certified Clinical Exercise Specialist exam. Additionally, students would gain education and training that would contribute to gaining a specialized certification in exercise for cancer patients through the American College of Sports Medicine and the American Cancer Society.

EXSS Core Curriculum (18 hours)

EXSS 2340 Motor Development and Learning
EXSS 2381 Anatomical Kinesiology
EXSS 3303 Exercise Physiology
EXSS 3382 Biomechanics **[UD UCA Core: I]**
EXSS 4320 Measurement and Evaluation in Human Performance **[UD UCA Core: Z]**
EXSS 4395 Sport in American Society **[UD UCA Core: D]**

Exercise Science Requirements (32 hours)

EXSS 1310 Introduction to Exercise Science
EXSS 2320 Fitness Assessments in Exercise Science
EXSS 3331 Care and Prevention of Exercise and Sports Injuries
EXSS 3348 Exercise Prescription for General Populations
EXSS 3350 Obesity Prevention and Management
EXSS 3352 Exercise Prescription for Special Populations
EXSS 3353 Exercise Prescription for Senior Populations
EXSS 4351 Sport and Fitness Administration **[UD UCA Core: C]**
EXSS 4V99 Internship in Exercise Science
H ED 2201 First Aid
NUTR 1300 Foundations of Nutrition

Statistics Requirement (3 hours)

MATH 2311 Elementary Statistics, or
PSYC 2330 Psychological Statistics, or
SOC 2321 Social Statistics

Psychology Requirement (3 hours)

PSYC 2370 Development Psychology, or
PSYC 3370 Sports Psychology, or
PSYC 4320 Abnormal Psychology

Nutrition Requirement (3 hours)

NUTR 3370 Advanced Nutrition, or
NUTR 4315 Sports Nutrition

Concentration Requirements (15 hours)

BIOL 4351 General Pharmacology
EXSS 3355 Exercise Science Clinical Experience I
EXSS 4303 Clinical Exercise Physiology
EXSS 4355 Exercise Science Clinical Experience II
NUTR 3390 Nutrition and Metabolism

A grade of C or better is required in all courses.

[2.3.2.1] Concentration Expenses

Students seeking admission to the Clinical Exercise Science concentration will be required to submit to the Concentration Coordinator a criminal background check from an approved agency by the application for admission deadline. The cost of the criminal background check is set by an approved external agency (e.g., Arkansas State Police). Additionally, students are responsible for their own transportation to and from their clinical experiences, and registration and travel for registered student organization events and conferences.

[2.3.2.2] Admission into the Clinical Exercise Science Concentration

All students are subject to the same admission procedures and standards. Entry into the program is by application only. Applications may be obtained by contacting the Concentration Coordinator or downloading the application from the department website http://www.uca.edu/exss/.

Applications should be submitted to the Concentration Coordinator by the fourth Friday in January to be considered for admission the following fall semester. The clinical exercise science admissions committee reviews all applications. Applicants will be notified in writing of their status by the first Friday in March. Students who have not completed prerequisite courses may apply for admission; however, completion of prerequisites is required prior to formal admission into the program. One class (cohort) is admitted each year. Admission to the Clinical Exercise Science concentration is selective and limited to ensure that an appropriate student to clinical site is maintained. Thus, the number of students admitted varies from year to year with a maximum cohort of 20 students. Students are advised that their acceptance into this program is not an assumed right. Applicants who believe they have been treated differently from other candidates in admission decisions are to contact the Chair of the Department of Exercise and Sport Science for information about the appeals process. All appeals begin at the departmental level. Students who are not accepted into the program may reapply the following year. Should a student decide not to reapply for admission, the Concentration Coordinator will help identify alternative academic programs.

Admission Criteria

Students must meet the following minimum prerequisites for admission to the Clinical Exercise Science concentration:

1. Completion of a minimum of thirty credit hours with a cumulative grade point average of 2.5 or better on a 4.0 scale;
2. Completion of WRTG 1310 or HONC 1310, WRTG 1320 or HONC 1320, MATH 1390 or 1392 or 1395 or 1491 or 1496 or 1580 with a grade of C or better;
3. Completion of EXSS 1310 with a grade of B or better as well as the following course requirements: (a) completion of 10 hours of clinical observation, and (b) completion of the Student Expectations Form;
4. Completion of professional courses (BIOL 1400, 1410 or 1440, EXSS 1320, EXSS 2381, and PSYC 1300) with a grade of B or better;
5. Completion of the program application by the fourth Monday in January;
6. Submission of a criminal background check to the Concentration Coordinator from an approved agency by the application for admission deadline;
7. Submission of official transcripts from all college course work completed to date; and
8. Completion of a formal interview with the clinical exercise science admissions committee.

Student Expectations for Admission

For selection, an applicant must demonstrate the following:

1. The physical capacity to perform appropriate health and fitness assessments using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and exercise programming of a clientele/patient.
2. The mental capacity to think critically and problem solve to identify appropriate assessments, modifications, and adaptations to create an inclusive strategy for health and wellness.
3. The social capacity to (a) effectively and sensitively interact with the client/patient and colleagues, to establish rapport and communicate judgments and health and wellness information effectively, (b) record health and fitness results and an exercise program clearly and accurately. Students must be able to understand and speak the English language at a level consistent with competent professional practice.
4. The emotional capacity to maintain composure and continue to function well during periods of high stress, and to be diligent in completing the clinical exercise science concentration as outlined and sequenced.

In the event a student is unable to fulfill these expectations, with or without reasonable accommodations, the student will not be admitted into the program.

Transfer students are encouraged to visit the campus and meet with the Concentration Coordinator. Prerequisite course work with the exception of EXSS 1310 Introduction to Exercise Science may be completed at another regionally accredited college, university, or community college. Courses taken elsewhere must be equivalent to UCA courses. The Exercise Science program reserves the right to determine appropriateness of transfer work related to the major and clinical exercise science concentration. All college course work must be submitted. Transfer students must meet the same academic, clinical and student expectations as all other students seeking admission into the program. Prior to admission, transfer students with no previous coursework at UCA must also establish a 2.5 grade point average in a minimum of twelve (12) semester hours.

For more detailed information (e.g., admissions/student expectations, transfer credit, etc.) contact Michael Gallagher, Director of the Exercise Science program at gallagherm@uca.edu or (501) 450-

5706, or Thomas Lowder, Coordinator of the Clinical Exercise Science concentration at tlowder@uca.edu or (501) 450-5713.

[2.3.2.3] Progression through the Concentration

Upon acceptance into the clinical exercise science concentration, students are to present the following documentation to the Concentration Coordinator:

1. The first and second of the series of three hepatitis B vaccinations must be submitted prior to the first day of classes of the spring semester (the third of the series may be submitted prior to the first day of classes of the subsequent fall semester);
2. TB skin test results;
3. Current CPR/AED certification from a provider adhering to the most current standards for cardiopulmonary resuscitation. Certification must be valid through the school year.

Records should be updated each August prior to the start of the fall semester. Failure to present required documentation to the Concentration Coordinator will result in administrative withdrawal from the program.

[2.3.2.4] Retention in the Concentration

To remain in good standing in the concentration, students must:

1. Maintain a cumulative grade point average of 2.5 or better on a 4.0 scale;
2. Earn a grade of C or better in EXSS Core courses: EXSS 2340, 3303, 3382, 4320, and 4395.
3. Earn a grade of C or better in Exercise Science Requirement courses: EXSS 2320, 3331, 3348, 3350, 3352, 3353, 4351, 4V99, and H ED 2201 and NUTR 1300.
4. Earn a grade of C or better in NUTR 3370, PSYC 4320, and MATH 2311 or PSYC 2330 or SOC 2321.
5. Earn a grade of B or better in clinical exercise science concentration courses: BIOL 4351, EXSS EXSS 3355, EXSS 4303, EXSS 4355, and NUTR 3390;
6. Meet the minimum grade requirements as set forth above. A student failing to meet the minimum grade requirements in these courses will not be allowed to enroll in subsequent clinical exercise science concentration courses until the minimum grade requirement is met;
7. Complete the required yearly August Orientation held prior to the fall semester;
8. Active participation in the registered student organization; and
9. Active participation in a professional organization meeting (e.g. Arkansas AACVPR, Central States ACSM, National ACSM).

Failure to meet the retention requirements will place the student on probationary status for a maximum of two semesters. If the requirements are not met at the conclusion of the probationary period, the student will be withdrawn from the clinical exercise science concentration and will need to reapply for admission.

[2.3.3] Major in Exercise Science, Concentration in Pre-Athletic Training

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Students will be able to identify and describe the professional preparation and responsibilities of health care providers and specifically athletic trainers. Secondary to the primary purpose, the Pre-Athletic Training concentration allows students the opportunity to complete all pre-requisite coursework for entry level Masters in Athletic Training within the 120 hours of the Baccalaureate degree.

EXSS Core Curriculum (18 hours)

EXSS 2340 Motor Development and Learning
EXSS 2381 Anatomical Kinesiology
EXSS 3303 Exercise Physiology
EXSS 3382 Biomechanics **[UD UCA Core: I]**
EXSS 4320 Measurement and Evaluation in Human Performance **[UD UCA Core: Z]**
EXSS 4395 Sport in American Society **[UD UCA Core: D]**

Exercise Science Requirements (32 hours)

EXSS 1310 Introduction to Exercise Science
EXSS 2320 Fitness Assessments in Exercise Science
EXSS 3331 Care and Prevention of Exercise and Sports Injuries
EXSS 3348 Exercise Prescription for General Populations
EXSS 3350 Obesity Prevention and Management
EXSS 3352 Exercise Prescription for Special Populations
EXSS 3353 Exercise Prescription for Senior Populations
EXSS 4351 Sport and Fitness Administration **[UD UCA Core: C]**
EXSS 4V99 Internship in Exercise Science
H ED 2201 First Aid
NUTR 1300 Foundations of Nutrition<

Statistics Requirement (3 hours)

MATH 2311 Elementary Statistics, or
PSYC 2330 Psychological Statistics, or
SOC 2321 Social Statistics

Psychology Requirement (3 hours)

PSYC 2370 Development Psychology, or
PSYC 3370 Sports Psychology, or
PSYC 4320 Abnormal Psychology

Nutrition Requirement (3 hours)

NUTR 3370 Advanced Nutrition, or
NUTR 4315 Sports Nutrition

Concentration Requirements (15 hours)

BIOL 4311 Pathophysiology
BIOL 4351 General Pharmacology
EXSS 3215 Athletic Training, A Health Care Profession
EXSS 4376 Advanced Strength and Conditioning
PHYS 1405 Applied Physics or PHYS 1410 College Physics I<

A grade of C or better is required in all courses.

[2.4] BS, Athletic Training

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[2.4.1] The Athletic Training Profession

Athletic training is one of the nation's emerging 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 health care professionals, the athletic trainer functions as an integral member of the health care team.

[2.4.2] The Athletic Training Program

The program faculty is 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 clinical preceptors and program faculty. Upon successful completion of the program students are awarded a Bachelor of Science degree in Athletic Training and are eligible to sit for the Board of Certification (BOC) examination for the athletic trainer.

[2.4.2.1] Program Accreditation

The baccalaureate degree program in athletic training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Blvd, Suite 100, Austin, TX 78731-3184.

We are in the process of changing our program to meet the evolving nature of professional practice which requires more advanced development of clinical reasoning skills, the use of evidence-based practice and improvements regarding interprofessional collaboration. We are committed to transitioning to a graduate, professional education program where students will earn a Master of Science in Athletic Training (MS-AT) which will enable graduates to contribute to the ever changing healthcare environment. Please refer to the program website for additional information and updates regarding our progress in gaining approval of the MS-AT degree and CAATE accreditation of the graduate program. http://uca.edu/exss/

[2.4.2.2] Program Requirements

A major in athletic training requires successful completion of a minimum of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses; (2) the degree component; and (3) major and related requirements listed below. A minor is not required.

EXSS courses will satisfy (1) the lower-division UCA Core requirement in Responsible Living and (2) the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication. Students must complete EXSS 4320 as the required UCA Core Capstone.

[2.4.3] Major in Athletic Training

EXSS Curriculum (20 hours)

EXSS 1320 Foundations of Wellness
EXSS 2381 Anatomical Kinesiology
EXSS 3303 Exercise Physiology
EXSS 3382 Biomechanics **[UD UCA Core: I]**
EXSS 4230 Fitness Assessment and Exercise Prescription
EXSS 4320 Measurement and Evaluation in Human Performance **[UD UCA Core: Z]**
EXSS 4395 Sport in American Society **[UD UCA Core: D]**

Athletic Training Curriculum (46 hours)

ATTR 1235 Principles of Strength Training and Conditioning
ATTR 1350 Introduction to Athletic Training
ATTR 2255 Emergency Care in Athletic Training
ATTR 2353 Prevention, Recognition and Care for General Medical Pathology
ATTR 2356 Athletic Training Practicum
ATTR 3301 Athletic Training Clinical Experiences I
ATTR 3327 Athletic Training Clinical Experiences II **[UD UCA Core: C]**
ATTR 3335 Therapeutic Exercise
ATTR 3345 Therapeutic Modalities
ATTR 3351 Evaluation Techniques for Lower Extremity
ATTR 3354 Evaluation Techniques for Upper Extremity
ATTR 4301 Athletic Training Clinical Experiences III
ATTR 4315 Program Development in Athletic Training **[UD UCA Core: R]**
ATTR 4325 Head, Neck and Spine Injury Management
ATTR 4327 Athletic Training Clinical Experiences IV
ATTR 4330 Administration and Management of Athletic Training

Related Requirements (26 hours)

BIOL 2406 Structure and Function of the Human Body I and
BIOL 2407 Structure and Function of the Human Body II and
BIOL 4351 General Pharmacology and CHEM 1402 General Chemistry for Health Sciences or
CHEM 1450 College Chemistry I and H ED 2201 First Aid and
NUTR 1300 Foundations of Nutrition and
NUTR 4315 Sports Nutrition and
PSYC 1300 General Psychology

For students who receive transfer credit for BIOL 2406 with a grade of C or better, the following are the related requirements:

BIOL 2407 Structure and Function of the Human Body II and
BIOL 4351 General Pharmacology and PHYS 1400 Physical Science for General Education or
PHYS 1405 Applied Physics or
PHYS 1410 College Physics or
PHYS 1441 University Physics I or
CHEM 1402 General Chemistry for Health Sciences or

CHEM 1450 College Chemistry I and H ED 2201 First Aid and
NUTR 1300 Foundations of Nutrition and
NUTR 4315 Sports Nutrition and
PSYC 1300 General Psychology

Note: the following courses are designated as professional courses: ATTR 1235, 1350, 2255, 2353, 2356, 3301, 3327, 3335, 3345, 3351, 3354, 4301, 4315, 4325, 4327, 4330, H ED 2201, EXSS 1320, 2381, 3303, 3382, 4230, 4320, 4395; NUTR 1300 and PSYC 1300.

[2.4.4] Program Expenses

In addition to general registration fees, a health sciences fee of $14.00 per credit hour is assessed for registration in the following courses: ATTR 1235, 1350, 2255, 2353, 2356, 3301, 3327, 3335, 3345, 4301 and 4327. A $5.00 per credit hour fee is assessed for EXSS and ATTR courses. Students are responsible for their own transportation to and from their clinical experiences.

Students seeking admission to the Athletic Training Program will be required to submit to the Program Director a criminal background check from an approved agency by the application for admission deadline. The cost of the criminal background check is set by an approved external agency (e.g. Arkansas State Police).

[2.4.4] Admission to the Athletic Training Program

All students are subject to the same admission procedures and standards. Entry into the program is by application only. Applications may be obtained by contacting the Program Director or downloading the application from Blackboard while students are enrolled in ATTR 1350 – Introduction to Athletic Training. Applications should be submitted to the Program Director by October 31 to be considered for admission the following spring semester. The athletic training admissions committee reviews all applications. Applicants will be notified in writing of their status. Students who have not completed prerequisite courses may apply for admission; however, completion of prerequisites is required prior to formal admission into the program. One class (cohort) is admitted each year. Admission to the Athletic Training Program is selective and limited to ensure that an appropriate student to clinical instructor ratio is maintained. Thus, the number of students admitted varies from year to year. Students are advised that their acceptance into this program is not an assumed right. Applicants who believe they have been treated differently from other candidates in admission decisions are to contact the Chair of the Department of Exercise and Sport Science for information about the appeals process. All appeals begin at the departmental level. Students who are not accepted into the program may reapply the following year. Should a student decide not to reapply for admission, the Program Director will help identify alternative academic programs.

[2.4.4.1] Admission Criteria

Students must meet the following minimum prerequisites for admission to the Athletic Training Program:

- Completion of a minimum of thirty credit hours with a cumulative grade point average of 2.5 or better on a 4.0 scale;

- Completion of BIOL 1400 or 1402 or 1440, WRTG 1310 or HONC 1310, WRTG 1320 or HONC 1320, MATH 1390 or 1392 or 1395 or 1491 or 1496 or 1580 with a grade of C or better;
- Completion of ATTR 1350 with a grade of B or better as well as the following course requirements: (a) successful completion of one basic injury evaluation, (b) completion of 30 hours of clinical observation, and (c) completion of the Technical Standards Form;
- Completion of professional courses (H ED 2201, EXSS 1320, ATTR 1350, EXSS 2381, and PSYC 1300) with a grade point average of 3.0 or better on a 4.0 scale;
- Earn a grade of C or better in all EXSS courses specified for the BS in Athletic Training degree;
- Completion of the program application by October 31;
- Submission of a criminal background check to the Program Director from an approved agency by the application for admission deadline;
- Submission of official transcripts from all college course work completed to date; and
- Completion of a formal interview with the athletic training admissions committee.

[2.4.4.2] Technical Standards for Admission

Technical standards establish essential qualities considered necessary for students to achieve knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the Athletic Training Program's accrediting agency, the Commission on Accreditation of Athletic Training Education. For selection, an applicant must demonstrate:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and be able to distinguish deviations from the norm.
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients.
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds: this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice.
- The ability to record the physical examination results and a treatment plan clearly and accurately.
- The capacity to maintain composure and continue to function well during periods of high stress.
- The perseverance, diligence and commitment to complete the athletic training program as outlined and sequenced.
- The flexibility and the ability to adjust to changing situations and uncertainty in clinical situations.
- The affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

In the event a student is unable to fulfill these technical standards, with or without reasonable accommodations, the student will not be admitted into the program.

Transfer students are encouraged to visit the campus and meet with the Program Director. Prerequisite course work with the exception of ATTR 1350 Introduction to Athletic Training may be completed at another regionally accredited college, university, or community college. Courses taken elsewhere must be equivalent to UCA courses. The Athletic Training Program reserves the right to determine appropriateness of transfer work related to the major. All college course work must be submitted. Transfer students must meet the same academic, clinical and technical admission standards as all other students seeking admission into the program. Prior to admission, transfer students with no previous coursework at UCA must also establish a 2.5 grade point average in a minimum of twelve (12) semester hours.

For more detailed information (e.g., admissions/technical standards, transfer credit, etc.) contact Ellen Epping, Director of the Athletic Training Program through e-mail at EEpping@uca.edu or by phone at (501) 450-5112.

[2.4.5] Program Progression

Upon acceptance into the athletic training program, students are to present the following documentation to the Program Director:

- The first and second of the series of three hepatitis B vaccinations must be submitted prior to the first day of classes of the spring semester (the third of the series may be submitted prior to the first day of classes of the subsequent fall semester);
- Current CPR/AED certification from a provider adhering to the most current standards for cardiopulmonary resuscitation. Certification must be valid through the school year; and
- TB skin test results.

Each January, prior to the first day of classes of the spring semester, program students must present the following written documentation to the Program Director:

- Current certification in emergency cardiac care (ECC) from a provider adhering to the most current standards of the International Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiac Care and;
- TB skin test results.

Failure to present required documentation to the Program Director will result in administrative withdrawal from the program.

[2.4.6] Retention in the Athletic Training Program

To remain in good standing in the program, students must

- Maintain a cumulative grade point average of 2.5 or better on a 4.0 scale;
- Earn a grade of C or better in EXSS curriculum courses: EXSS 3303, 3382, 4230, 4320 and 4395.
- Earn a grade of C or better in the following related requirements: BIOL 2406, 2407, and 4351 and CHEM 1402 or 1450; and NUTR 4315. Students who receive transfer credit for BIOL 2406 with a grade of C or better, must earn a C or better on the following related

requirements: BIOL 2407 and 4351 and PHYS 1400 or 1405 or 1410 or 1441 or CHEM 1402 or 1450; and NUTR 4315.

- Earn a grade of C or better in the following professional courses: ATTR 1235, 2255, 2353, 3303, 3335, 3345, 3351, 3354, 4315, 4325, 4330, EXSS 3382, 4230, 4320 and 4395.
- Earn a grade of B or better in professional clinical courses ATTR 2356, 3301, 3327, 4301 and 4327;
- Maintain a professional grade point average of 3.0 or better on a 4.0 scale;
- Meet the minimum grade requirements in the following athletic training courses: ATTR 2255, 2353, 2356, 3301, 3327, 3335, 3345, 3351, 3354, 4301, 4315, 4325, 4327 and 4330 (a student failing to meet the minimum grade requirements in these courses will not be allowed to enroll in subsequent athletic training courses until the minimum grade requirement is met);
- Complete required August Athletic Training Program Orientation and pre-season clinical for students enrolled in ATTR 3301 or 4301 (note: orientation and pre-season clinical is held prior to the fall semester); and
- Earn a passing score on a showcase portfolio.

Failure to meet the retention requirements will place the student on probationary status for a maximum of two semesters. If the requirements are not met at the conclusion of the probationary period, the student will be withdrawn from the program and will need to reapply for admission into the Athletic Training Program. A detailed list of retention requirements and explanation of the probationary period is available in the current edition of the Athletic Training Program Student Handbook. Students may obtain a copy of the current handbook from the Program Director.

The current editions of the *UCA Student Handbook*, *Athletic Training Program Handbook*, and *Intercollegiate Athletics – Athletic Training Services Policies and Procedures Manual* specify the rules, regulations, and policies that apply to all UCA undergraduate athletic training students. It is the responsibility of the student to know and follow the current policies, procedures, and guidelines. Additionally, students should observe the fundamental rules of ethical conduct as described in the *NATA Code of Ethics* and the *Standards of Practice* by the Board of Certification.

[3] Master's Degree Program

See *Graduate Bulletin*.

[4] Course Links

Follow this link to ATTR course descriptions: course link.

Follow this link to EXSS course descriptions: course link.

Follow this link to PETE course descriptions: course link.

Department of Family and Consumer Sciences

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-family-and-consumer-sciences/

Chair and Associate Professor: N. Roofe (PhD), 450-5950
Associate Professor: J. Mayo (PhD)
Assistant Professor: A. Landry (PhD), R. Ryburn (PhD)

Clinical Instructor: A. Bryan (PharmD), M. Garcia (MS), R. Luong (MS), L. Meeks (MS), R. Schichtl (MS), J. Whitehead (MS)

[1] Purposes

The family and consumer sciences programs at the baccalaureate and master's levels are designed to prepare professionals for employment in broad career options. Graduates are employed in business, education, 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 specialization tracks including nutrition and foods; clothing, textiles, and fashion; and family and consumer sciences. The graduate student may select the thesis or non-thesis option. The undergraduate dietetic program and the graduate dietetic internship program are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

[2] Honors in Family and Consumer Sciences

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Junior and senior students majoring in Family and Consumer Sciences who demonstrate exceptional interest and ability and have a cumulative grade point average of 3.70 may be invited to enter the Honors in Family and Consumer Sciences program, designed to introduce research methods in an area of specialization in family and consumer sciences. In addition to the planned curriculum, the student will enroll in FACS 4301 and conduct an investigation of a topic approved by the instructor. The resulting research paper will be evaluated by at least three members of the FACS faculty.

[3] Baccalaureate Degree Programs

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1] Bachelor of Science

The degree of Bachelor of Science, with a major in family and consumer sciences, nutrition or interior design, requires successful completion of a minimum of 120 hours, including (1) the UCA

Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) family and consumer sciences requirements; and (4) supporting requirements. No minor is required.

Family and Consumer Sciences or Nutrition Core courses are used to satisfy the lower- division UCA Core requirements in Responsible Living. Family and Consumer Sciences, Nutrition, and Interior Design courses are used to satisfy the upper-division UCA Core requirements in Critical Inquiry, Communication, Diversity, and Responsible Living. Students with a degree in Nutrition will take NUTR 4335, Nutrition Senior Seminar, as the required UCA Core Capstone. Students with a General Family and Consumer Sciences degree will take FACS 3456, Methods in Family and Consumer Sciences Education as the required UCA Core Capstone. Students with a degree in Interior Design will take IDSN 4305 Professional Practice for Interior Design as the required Core Capstone.

[3.1.1] Nutrition (54 hours)

The Didactic Program in Dietetics (DPD) at the University of Central Arkansas is accredited by the Accreditation Council for Education in Nutrition and Dietetics.

Accreditation Council for Education in Nutrition and Dietetics
120 South Riverside Plaza, Suite 2190
Chicago, IL 60606-6995
Telephone: (800) 877-1600 x5400
Email: ACEND@eatright.org
Website: http://www.eatright.org/acend

Major requirements:

NUTR 1300 Foundations of Nutrition
NUTR 2311 Meal Management
NUTR 3310 Food Science
NUTR 3350 Community Nutrition
NUTR 3370 Lifecycle Nutrition
NUTR 3380 Food Economics
NUTR 3390 Nutrition and Metabolism
NUTR 4301 Research in Family and Consumer Sciences/Nutrition
NUTR 4315 Sports Nutrition
NUTR 4321 Nutritional Services Administration
NUTR 4325 Medical Nutrition Therapy I
NUTR 4335 Nutrition Senior Seminar **[UD UCA Core: Z]**
NUTR 4351 Experimental Food Science
NUTR 4374 Medical Nutrition Therapy II
NUTR 4395 Nutrition Contemporary Issues **[UD UCA Core: D]**
FACS 2341 Lifespan Development
FACS 3311 Resource Management **[UD UCA Core: C]**
FACS 3372 Personal and Family Finance **[UD UCA Core: I, R]**

Supporting requirements to meet the academic requirements of the Academy of Nutrition and Dietetics:

PSYC 2330 Psychological Statistics
FACS 3456 Methods in Family and Consumer Sciences Education **[UD UCA Core: Z]**
CHEM 1402 General Chemistry for Health Sciences
CHEM 2450 Introduction to Organic and Biochemistry
BIOL 2405 Human Anatomy and Physiology
BIOL 2411 Microbiology or substitute courses approved by department chair.

This program does not require a minor.

Eligibility to take the registration examination administered by the Commission on Dietetic Registration requires the BS degree plus completion of an approved internship (see § 4, below). Contact the department chair for further information.

[3.1.2] Interior Design (60 hours)

The Interior Design program is accredited by the Council for Interior Design Accreditation (CIDA) and the National Association of Schools of Art and Design (NASAD).

Council for Interior Design Accreditation
206 Grandville Avenue, Suite 350
Grand Rapids, MI 49503-4014Telephone: (616) 458-0400
Fax: (616) 458-0460
Email: info@accredit-id.org

NASAD
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248Telephone: (703) 437-0700
Fax: (703) 437-6312
Email: info@arts-accredit.org

Major requirements (60 hours):

IDSN1390 Introduction to Interior Design
IDSN 2330 Digital Design
IDSN 2365 Introduction to CAD Drafting
IDSN 2391 Interior Design Studio
IDSN 2392 Interior Design Drawing and Rendering
IDSN 3300 Principles of Architecture and Building Systems
IDSN 3305 Interior Lighting and Codes
IDSN 3310 Design Communication
IDSN 3315 Residential Interior Design
IDSN 3325 Commercial Interior Design I
IDSN 3326 Commercial Interior Design II
IDSN 3340 History of Interiors, Architecture, and Furniture I **[UD UCA Core: D, C]**
IDSN 3341 History of Interiors, Architecture, and Furniture II **[UD UCA Core: D, C]**
IDSN 3350 Fundamentals of Kitchen and Bath Design
IDSN 3355 Introduction to Historic Preservation **[UD UCA Core: I, R]** or substitute courses approved by department chair

IDSN 3375 Advanced Technology for Interior Architecture
IDSN 4300 Professional Practice for Interior Design
IDSN 4305 Advanced Interior Design Studio **[UD UCA Core: Z]**
IDSN 4350 Internship
FACS 2360 Textiles
Grade of "C" or better required in these courses.

Supporting requirements (6 hours):

ART 1310 2-D Design
ART 2312 3-D Design

[3.1.3] General Family and Consumer Sciences (43 hours)

Major requirements:

FACS 2341 Lifespan Development
FACS 2360 Textiles
FACS 3311 Resource Management **[UD UCA Core: C]**
FACS 3318 Parenting Issues
FACS 3360 Consumer Problems in Clothing
FACS 3361 Interior and Apparel Construction II
FACS 3372 Personal and Family Finance **[UD UCA Core: I, R]**
FACS 3456 Methods in Family and Consumer Sciences Education **[UD UCA Core: Z]**
FACS 4355 Curriculum Development
FACS 4600 Internship
IDSN 2390 Introduction to Interior Design
IDSN 3300 Home Planning
NUTR 1300 Foundations of Nutrition
NUTR 2311 Meal Management
NUTR 3310 Food Science
NUTR 3370 Lifecycle Nutrition
NUTR 3380 Food Economics
NUTR 4301 Research in Family and Consumer Sciences
NUTR 4315 Sports Nutrition
NUTR 4395 Nutrition: Contemporary Issues **[UD UCA Core: D]** or substitute courses approved by department chair

[3.2] Bachelor of Science in Education

The degree of Bachelor of Science in Education, with a major in family and consumer sciences, requires successful completion of (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) family and consumer sciences requirements; and (4) supporting professional education requirements, including the minor in Teaching and Learning.

Nutrition or Family and Consumer Sciences Core courses are used to satisfy the lower-division UCA Core requirement in Responsible Living and the upper-division UCA Core requirements in Critical

Inquiry, Communication, Diversity and Responsible Living. Students with a Family and Consumer Sciences Education degree will take FACS 4350, Internship I, as the required UCA Core Capstone.

[3.2.1] Family and Consumer Sciences

Major requirements (43 hours):

NUTR 1300 Foundations of Nutrition
NUTR 2311 Meal Management
NUTR 3310 Food Science
IDSN 2390 Introduction to Interior Design
IDSN 3300 Home Planning
FACS 1370 Interior and Apparel Construction I
FACS 2341 Lifespan Development
FACS 2351 Family Relations
FACS 2360 Textiles
FACS 3311 Resource Management **[UD UCA Core: C]**
FACS 3318 Parenting Issues
FACS 3360 Consumer Problems in Clothing **or** FACS 3361 Interior and Apparel Construction II
FACS 3372 Personal and Family Finances **[UD UCA Core: I, R]**
FACS 3456 Methods in Family and Consumer Sciences **[UD UCA Core: Z]**

Professional Education course work (38 hours):

Professional Education course work includes the minor in Teaching and Learning, the content methods course, and the intense internship experience

Minor in Teaching and Learning

EDUC 1300 Education as a Profession
Computer Competency Test **or** course equivalent
MSIT 3310 Development and Learning **[UD UCA Core: D, R]**
MSIT 4325 Strategies for Content Literacy Development
EDUC 3322 Diverse Learners in Inclusive Settings
MSIT 4305 Classroom and Behavioral Management
MSIT 4321 Classroom Assessment
EDUC 4210 Integration of Technology into Teaching and Learning

Content methods course:

FACS 4355 Curriculum in FACS Education

Intense internship experience:

FACS 4350 Internship I (Practicum)
FACS 4680 **and** 4681 Internship II (Directed Teaching) **[UD UCA Core: Z]**

[3.3] Bachelor of Arts

The degree of Bachelor of Arts, requires successful completion of a minimum of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the

UCA Core requirements); (2) degree requirements (foreign language); (3) family and consumer sciences requirements; (4) interior design requirements; and (5) supporting requirements. No minor is required.

Family and Consumer Sciences or Nutrition Core courses are used to satisfy the lower-division UCA Core requirement in Responsible Living. Family and Consumer Sciences and Interior Design courses are used to satisfy the upper-division UCA Core requirements in Critical Inquiry, Communication, Diversity and Responsible Living. Students with a degree in Interior Design will take IDSN 4305 Professional practice for Interior Design as the required UCA Core Capstone.

[3.3.1] Interior Design (60 hours)

The Interior Design program is accredited by the Council for Interior Design Accreditation (CIDA) and the National Association of Schools of Art and Design (NASAD).

Council for Interior Design Accreditation
206 Grandville Avenue, Suite 350
Grand Rapids, MI 49503-4014Telephone: (616) 458-0400
Fax: (616) 458-0460
Email: info@accredit-id.org

NASAD
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248Telephone: (703) 437-0700
Fax: (703) 437-6312
Email: info@arts-accredit.org

Major requirements (60 hours):

IDSN 1390 Introduction to Interior Design
IDSN 2330 Digital Design
IDSN 2365 Introduction to CAD Drafting
IDSN 2391 Interior Design Studio
IDSN 2392 Interior Design Drawing and Rendering
IDSN 3300 Principles of Architecture and Building Systems
IDSN 3305 Interior Lighting and Codes
IDSN 3310 Design Communication
IDSN 3315 Residential Interior Design
IDSN 3325 Commercial Interior Design I
IDSN 3326 Commercial Interior Design II
IDSN 3340 History of Interiors, Architecture, and Furniture I **[UD UCA Core: C, D]**
IDSN 3341 History of Interiors, Architecture, and Furniture II **[UD UCA Core: C, D]**
IDSN 3350 Fundamental of Kitchen and Bath Design
IDSN 3355 Introduction to Historic Preservation **[UD UCA Core: I, R]** or substitute courses approved by department chair
IDSN 3375 Advanced Technology for Interior Architecture
IDSN 4300 Professional Practice for Interior Design
IDSN 4305 Advanced Interior Design Studio **[UD UCA Core: Z]**
IDSN 4350 Internship

FACS 2360 Textiles
Grade of "C" or better required in these courses

Supporting requirements (6 hours):

ART 1310 2-D Design
ART 2312 3-D Design

[3.4] Minor in Family and Consumer Sciences (18 hours)

Eighteen hours of family and consumer sciences, nutrition or interior design courses, 3 hours of which must be upper-division, may be selected from various areas of family and consumer sciences and approved by the department chair. The minor is offered for students who desire family and consumer sciences for cultural and personal value or for supporting work for a related major.

[4] Dietetic Internship

The dietetic internship is a supervised dietetic practice and study program accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The dietetic internship meets performance requirements for eligibility to write the national registration exam, administered by the Commission on Dietetic Registration (CDR), to become a registered dietitian. The dietetic internship is to be completed in 15 months. The first year includes instruction and practicum experiences in community nutrition and research food-service management. Instruction and practicum experiences during the second year includes clinical nutrition and clinical management. Practice sites include various community, wellness, and health care facilities in Arkansas.

Dietetic Internship Entrance Requirements:

- Baccalaureate degree.
- Verification statement of completion of Academy of Nutrition and Dietetics accredited Didactic Program in Dietetics (DPD)
- Official transcript(s) of course work from all colleges and universities attended.
- Minimum of 3.0 GPA (on a 4.0 scale).
- Recommended GRE score of 300 (150 verbal, 150 quantitative) with 3.0 on writing.
- Work experience in nutrition-related area.
- Completed dietetic internship application. (See http://uca.edu/facs/programs/dietetic-internship/)

[5] Master's Degree

See *Graduate Bulletin*.

Course Links

Follow this link for **NUTR – Nutrition and Food Sciences** course descriptions: course link.

Follow this link for **FACS – Textiles and Clothing** course descriptions: course link.

Follow this link for **FACS – Child and Family Life** course descriptions: course link.

Follow this link for **FACS – Consumer Education and Resource Management** course descriptions: course link.

Follow this link for **FACS – Family and Consumer Sciences Education** course descriptions: course link.

Follow this link for **FACS – General** course descriptions: course link.

Follow this link for **IDSN – Interior Design** course descriptions: course link.

Department of Health Sciences

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-health-sciences/

Chair and Professor: E. Fox (EdD), 501-450-3194
Professor: B. Hubbard (EdD), J. Rainey (PhD)
Assistant Professor: D. Demers (PhD), H. Hudson (PhD), D. Morris (PhD), A. Sego (PhD)
Clinical Instructor II: K. French (EdD), C. Gilbreath (PhD), L. Ray (MS)
Clinical Instructor I: K. Jamerson (MS), C. Shelton (MS), D. Smith (MS)
Instructor: J. Allen (MS), J. Dulac (MS)

[1] Purposes

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

[2] Baccalaureate Degree Programs

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Jump to BS, Health Education | BS, Health Sciences | BS, Addiction Studies | Bachelor of Professional Studies

[2.1] Bachelor of Science in Health Education

The Bachelor of Science degree with a major in community health education requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses; (2) degree requirements; (3) major courses as listed below; and (4) 40 upper-division hours.

Note: Admission to the Bachelor of Science degree program, with a major in health education, requires an overall GPA of 2.3 (on a 4.0 scale). However, enrollment in the health education internship (H ED 4600) requires an overall GPA of 2.5.

Elective and required science courses are used to satisfy the lower-division UCA Core requirements in Diversity, Critical Inquiry and Communication. Students will take H ED 1320 to fulfill the First Year Seminar requirement and the Responsible Living requirement but may also take H ED 2320 as an elective to fulfill those requirements as well as the Social Science requirement.

For upper-division UCA Core requirements, students will take H ED 3300 for Communication, H ED 3301 for Responsible Living, H ED 3320 for Critical Inquiry, and H ED 4600 for the UCA Core Capstone. Students may choose H ED 3305, 4395, or 4396 to fulfill the Diversity requirement.

[2.1.1] Major in Health Education

Major requirements in Health Education (53 hours):

Required Core Courses (27 hours):

H ED 3300 Health Education Methods and Materials **[UD UCA Core: C]**
H ED 3301 The Health Education Profession **[UD UCA Core: R]**
H ED 3320 Epidemiological Research **[UD UCA Core: I]**
H ED 4300 Community Health Problems
H ED 4320 Health Communication and Advocacy
H ED 4331 Program Planning and Evaluation
H ED 4370 Administration of Health Programs
H ED 4600 Health Education Internship **[UD UCA Core: Z]**

Required Content Courses (6 hours):

H ED 1320 Essentials of Health and Wellness
H ED 3325 Disease Management for Health Promotion

Health Education Elective Courses (9 hours):

Students are required to select at least one course designated as an upper-division UCA Core Diversity course.

H ED 2201 First Aid
H ED 2320 Mental Health
H ED 3123 Medical Terminology
H ED 3305 Human Sexuality **[UD UCA Core: D]**
H ED 3315 Theory and Practice of Prevention
H ED 4301 Health Education in the Medical Care Setting
H ED 4302 Health Education in the Worksite
H ED 4303 Environmental Health Problems
H ED 4312 Drug Education
H ED 4343 Health Strategies in Multicultural Populations
H ED 4395 Contemporary Health Concerns: Women **[UD UCA Core: D]**
H ED 4396 Contemporary Health Concerns: Men **[UD UCA Core: D]**
H ED 4398 Health Coaching I
H ED 4399 Health Coaching II

Related Requirements (11 hours):

BIOL 2405 Human Anatomy and Physiology
BIOL 2411 Microbiology in Human Affairs
Statistics: PSYC 2330, MATH 2311 or SOC 2321 – Choose One

The remaining credits in the degree plan (32) will be met with elective courses approved by the major advisor.

[2.1.2] Minor in Health Education (25 credit hours)

The minor in Health Education requires successful completion of 25 hours:

Required Health Education Courses (12 credit hours):

H ED 3300 Health Education Methods and Materials **[UD UCA Core: C]**
H ED 3301 The Health Education Profession **[UD UCA Core: R]**
H ED 4300 Community Health Problems
H ED 4331 Program Planning and Evaluation

Health Education Electives (5 credit hours)

H ED 2201 First Aid
H ED 2320 Mental Health
H ED 3305 Human Sexuality **[UD UCA Core: D]**
H ED 3315 Theory and Practice of Prevention
H ED 3325 Disease Management for Health Promotion
H ED 4301 Health Education in the Medical Care Setting
H ED 4302 Health Education in the Worksite
H ED 4303 Environmental Health Problems
H ED 4310 Health Concerns of Aging
H ED 4312 Drug Education
H ED 4343 Health Strategies in Multicultural Populations
H ED 4370 Administration of Health Programs
H ED 4395 Contemporary Health Concerns: Women **[UD UCA Core: D]**
H ED 4396 Contemporary Health Concerns: Men **[UD UCA Core: D]**
H ED 4398 Health Coaching I
H ED 4399 Health Coaching II

Related Requirements (8 credit hours)

BIOL 2405 Human Anatomy and Physiology
BIOL 2411 Microbiology

[2.2] Bachelor of Science in Health Sciences

Degree requirements include successful completion of a minimum of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements designated courses; (2) degree requirements; (3) the health sciences core; and (4) one of the emphases in health sciences. Because of the number of hours included in the health science major, no minor is required.

Elective and required science courses are used to satisfy the lower-division UCA Core requirements in Diversity, Critical Inquiry and Communication. Students should take H ED 1320 to fulfill the First Year Seminar requirements and the Responsible Living requirement but may also take H ED 2320 as an elective to fulfill those requirements as well as the Social Science requirement.

For upper-division UCA Core requirements, students will take H SC 4600 for the UCA Core capstone. The additional upper-division UCA Core requirements will be met by taking elective courses chosen with approval of the major advisor.

[2.2.1] Health Services Administration Emphasis

Degree Requirements (46 hours):

BIOL 2405 Anatomy and Physiology *and* 4 hours of BIOL electives

CHEM 1402 General Chemistry for Health Sciences **and** CHEM 2450 Intro to Organic and Biochemistry
or
CHEM 1450 College Chemistry I **and** CHEM 1451 College Chemistry II
PHYS 1410 College Physics I
PHYS 1420 College Physics II
PSYC 1300 General Psychology
BIOL 4311 Pathophysiology
BIOL 4351 General Pharmacology
H SC 3123 Medical Terminology
H SC 4600 Health Science Internship **[UD UCA Core: Z]**
H ED 4301 Health Education in a Medical Care Setting
H ED 4370 Administration of Health Programs

Related Requirements (24 hours):

MIS 2343 Information Processing and Analysis
ECON 2320 Principles of Macroeconomics
ECON 2321 Principles of Microeconomics
ACCT 2310 Principles of Accounting I
ACCT 2311 Principles of Accounting II
FINA 3330 Managing Finance and Capital
MGMT 3340 Managing People and Work
MKTG 3350 Principles of Marketing

The 15 hours of lower-division business courses and a basic statistics course must be completed prior to enrollment in upper-division courses. Students may choose PSYC 2330, MATH 2311, SOC 2321, or QMTH 2330.

Electives (6 hours): approved H ED courses.

[2.3] Bachelor of Science in Addiction Studies

The Bachelor of Science in Addiction Studies was the first BS program in Addiction Studies in Arkansas. The degree has two tracks: Prevention and Treatment. The degree requires successful completion of 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division

UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designated courses; (2) degree requirements; (3) major courses as listed below; and (4) upper-division hours.

Elective and required science courses are used to satisfy the lower-division UCA Core requirements in Diversity, Critical Inquiry and Communication. Students may take H ED 2320 to fulfill the First Year Seminar requirement for Responsible Living as well as the Social Science requirement.

For the prevention track upper-division UCA Core requirements, students will take H ED 3300 for Communication, H ED 3301 for Responsible Living, H ED 3320 for Critical Inquiry, and H ED 4600 for the UCA Core capstone. The upper-division diversity course will be an elective chosen with approval of the program advisor.

For the treatment track upper-division UCA Core requirements, students will take H SC 3320 for the Diversity requirement and H SC 4610 for the UCA Core capstone requirement. The additional UCA Core upper-division courses will be taken as elective with approval of the program advisor.

[2.3.1] Core Courses and Related Requirements

Both the Prevention and the Treatment tracks require the following Addiction Studies core courses (9 hours):

H ED 2320 Mental health
H ED 3315 Theory and Practice of Prevention
H ED 4312 Drug Education

Related requirements for the prevention and treatment tracks (17 hours):

PSYC 2330 Psychological Statistics or SOC 2321 Social Statistics
PSYC 3332 Experimental Psychology or SOC 3320 Sociological Research Methods
PSYC 4320 Abnormal Psychology
BIOL 2405 Human Anatomy and Physiology
BIOL Elective to fulfill BS degree requirements

[2.3.2] Prevention Track

Requirements for the Prevention track (25 hours):

H ED 3120 Prevention Practicum
H ED 3300 Methods and Materials of Health Education **[UD UCA Core: C]**
H ED 3301 The Health Education Profession **[UD UCA Core: R]**
H ED 3320 Epidemiological Research **[UD UCA Core: I]**
H ED 4300 Community Health Problems
H ED 4331 Program Planning and Evaluation
H ED 4370 Administration of Health Programs
H ED 4600 Health Education Internship **[UD UCA Core: Z]**

Remaining credits (22) may be selected for a declared minor or from recommended courses selected in consultation with the departmental advisor.

[2.3.3] Treatment Track

Requirements for the Treatment track:

H ED 2201 First Aid
H SC 2310 Addiction Counseling: Theory and Practice
H SC 2320 Addictions: Assessment, Intervention and Treatment Planning
H SC 2330 Etiology and Epidemiology of Addiction
H SC 3310 Group Counseling Skills
H SC 3320 Legal and Ethical Issues in Addictions **[UD UCA Core: D]**
H SC 3330 Family Systems and Addiction
H SC 4610 Practicum in Substance Abuse **[UD UCA Core: Z]**

One of the following courses can also be chosen for the Treatment track:
PSYC 2370 Developmental Psychology
PSYC 4300 Theories of Personality

Remaining credits (18) may be selected for a declared minor or from recommended courses selected in consultation with the departmental advisor.

[2.3.4] Minor in Addiction Studies – Treatment

The minor in addiction studies requires successful completion of 18 hours of course work, including the following:

H SC 2310 Addiction Counseling: Theory and Practice
H SC 2320 Addictions: Assessment, Intervention and Treatment Planning
H SC 2330 Etiology and Epidemiology of Addiction
H SC 3310 Group Counseling Skills
H SC 3320 Legal and Ethical Issues in Addictions
H SC 3330 Family Systems and Addiction

This is an appropriate minor for any student majoring in a health, behavioral, or social science field. Any student graduating with a degree in any of these fields would enhance their employment potential by having a minor in Addiction Studies. Students with a minor in Addiction Studies would be qualified for entry level addiction treatment positions in residential treatment facilities, the criminal justice system, drug courts, and outpatient substance abuse treatment facilities in addition to positions in other fields that involve potential contact with a chemically dependent clientele. In addition to increasing employability, it would also provide students the opportunity to serve the greater good by providing them with the tools to assist those afflicted with the disease of addiction.

[2.4] Bachelor of Professional Studies

The Bachelor of Professional Studies offers associate degree holders in the areas of health and technology the opportunity to increase knowledge and leadership skills and to enhance career opportunities. The program is currently offered in a hybrid format. Core courses in one of two areas of concentration are available: (1) Health and Safety and (2) Leadership and Technology (but see § 2.4.2, below). A total of 120 credits must be completed, including the transfer of a maximum of 60 credits from associate degree programs. The curriculum is designed to facilitate 45 of the 60 required credits to completion of a degree. An additional 15 hours of electives are required for completion of this degree program. These additional elective hours will be selected by the student in consultation with the academic advisor.

A set of core courses and upper-level electives follow.

[2.4.1] Concentration in Health and Safety

Core Program Required Courses (30 credit hours):

H ED 3310 Fundamentals of Occupational Health
H ED 3320 Epidemiological Research
H ED 3325 Disease Management
H ED 4300 Community Health
H ED 4303 Environmental Health Problems
H ED 4320 Health Communication and Advocacy
H ED 4343 Health Strategies for Multicultural Populations
H ED 4370 Administration of Health Programs
MGMT 3315 International Business Communications
WRTG 3310 Technical Writing

Upper Level Electives (15 credit hours minimum to be selected from the following and approved by the major advisor):

H ED 3315 Theory & Practice of Prevention
H ED 4301 Health Education in the Medical Care Setting
H ED 4302 Health Education in the Worksite
H ED 4310 Health Concerns of Aging
H ED 4312 Drug Education
H ED 4395 Contemporary Health Concerns: Women **[UD UCA Core: D]**
H ED 4396 Contemporary Health Concerns: Men **[UD UCA Core: D]**
H SC 4305 Technology Applications in Health Sciences

[2.4.2] Concentration in Leadership & Technology

This concentration is under review and is not currently accepting students.

[3] Master's Degree

See the Graduate Bulletin.

[4] Course Links

[4.1] Courses in Health Education (H ED)

Follow this link for H ED course descriptions: course link.

[4.2] Courses in Health Sciences (H SC)

Follow this link for H SC course descriptions: course link.

Department of Military Science and Leadership

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-military-science-and-leadership/

[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 entré 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 freshman and sophomore military science courses. (Freshman and sophomore military science students attending college on Army ROTC scholarships are obligated by their contracts.)

Scholarships. Four-year scholarships are available on a competitive basis to high school seniors who plan to enroll in Army ROTC. In addition, two and three-year scholarships are available on a competitive basis to UCA students. These scholarships pay tuition, fees, $1,200 per year for books, and up to $500 per month ($300 – freshmen, $350 – sophomores, $450 – juniors, $500 – seniors, tax free, for ten months during the school year). A limited number of room and board grants are also available.

Advanced Course Students. Contracted advance course students receive up to $4,000 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

The basic course (taken by freshmen and sophomores) consists of MILS 1101, 1102, 2201 and 2202. MILS 1101 and 1102 meet one hour in class and two hours 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.

[4] Advanced Course

The advanced course consists of MILS 3301, 3302, 4301, 4302, 4303 and 4304 and a five-week ROTC 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 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 the basic course,
2. Have completed the Leaders Training Course at Ft. Knox (five weeks prior to junior year),
3. Have completed four years of high school Junior ROTC experience,
4. Be a veteran, or
5. Be a member of the 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] Leaders Training Course

The 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)

The minor in Military Science requires 18 hours, including the following courses: MILS 3301, 3302, 4301, 4302; HIST 3381; plus 3 hours of computer science courses (CSCI 1300 or higher).

MILS 4301 also satisfies the requirement for an upper-division core course meeting the criteria for Diversity (D) and Responsible Living (R) **[UD UCA Core: D, R]**.

MILS 4302 also satisfies the requirements for an upper-division core course meeting the criteria for Critical Inquiry (I) and Communication (C) **[UD UCA Core: I, C]**.

Prerequisites for acceptance into the Military Science Minor program are:

1. Successful completion of the ROTC Basic Course (4 semesters) with a Military Science GPA of 3.0 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 or higher level course, completion of MATH 1360 or higher level course.

Courses in Military Science and Leadership (MILS)

Follow this link for MILS course descriptions: course link.

Department of Occupational Therapy

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-occupational-therapy/

Chair and Associate Professor: J. Moore (PhD), 450-3192
Associate Professor: T. Mankey (EdD), L. Paschal (PhD), M. Willey (PhD)
Assistant Professor: C. Acre (EdD), L. Mosley (PhD), D. Stearns (MD)
Clinical Instructor II: E. LeQuieu (MS)
Clinical Instructor I: V. Rowe (MS)

[1] Purpose

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 occupation – and evidence-based interventions with clients who are at risk or limited in functional independence due to physical injury or illness, psychosocial dysfunction, developmental or learning disabilities, poverty and cultural differences, or the aging process. The role of the occupational therapist is to maximize independence, prevent disability, and maintain health. Occupational therapy 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 assessment of human performance; and adapting environments. These services are provided individually, in groups, or through social systems.

[2] Doctoral Program

See the *Graduate Bulletin* for information about the Doctor of Occupational Therapy program. See the Department of Occupational Therapy web page for additional information and be in touch with the program advisor to learn how to prepare for graduate work in Occupational Therapy.

Department of Physical Therapy

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-physical-therapy/

Chair and Professor: N. Reese (PhD), 450-3611
Professor: B. Bandy (PhD)
Associate Professor: J. Fletcher (PhD), S. Forbush (PhD), K. Garrison (PhD), M. McGee (PhD), C. Yates (PhD)
Assistant Professor: L. Collier (PhD), C. Lairamore (PhD), L. Lowe (PhD), L. Van Hoose (PhD)
Senior Clinical Instructor: T. Maresh (DPT)
Clinical Instructor II: M. Booth (DPT), S. Stephens (MS)
Clinical Instructor I: D. Cathcart (DPT)

[1] Physical Therapy: A Dynamic Health Care Profession

Physical therapists (PTs) are health care professionals who diagnose and treat individuals of all ages, from newborns to the very oldest, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives. PTs examine each individual and develop a plan using treatment techniques to promote the ability to move, reduce pain, restore function, and prevent disability. In addition, PTs work with individuals to prevent the loss of mobility before it occurs by developing fitness and wellness programs for healthier and more active lifestyles.

Physical therapists provide care for people in a variety of settings, including hospitals, private practices, outpatient clinics, home health agencies, schools, sports and fitness facilities, work settings, and nursing homes. State licensure is required in each state in which a physical therapist practices.

Physical therapists:

- Diagnose and manage movement dysfunction and enhance physical and functional abilities.
- Restore, maintain, and promote not only optimal physical function but optimal wellness and fitness and optimal quality of life as it relates to movement and health.
- Prevent the onset, symptoms, and progression of impairments, functional limitations, and disabilities that may result from diseases, disorders, conditions, or injuries.

The median annual earnings of all physical therapists in the United States were $85,400 in 2016. Employment of physical therapists is expected to increase 34 percent from 2014 to 2024, much faster than the average for all occupations. **Source**: U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook*.

[2] Mission

The mission of the UCA Department of Physical Therapy is to develop leaders and scholars in the PT profession who work collaboratively in clinical, education, and research communities.

[3] Accreditation Status

The BS in Health Science with an emphasis in physical therapy does not require specialized accreditation. The Doctor of Physical Therapy (DPT) curriculum is accredited by the Commission

on Accreditation in Physical Therapy Education (CAPTE). CAPTE may be contacted via mail, telephone, or email as follows:

Department of Accreditation
American Physical Therapy Association
1111 North Fairfax Street
Alexandria, VA 22314
Telephone: 703/706-3245
accreditation@apta.org

[4] DPT Student Outcomes

Graduation rate: 95%
Employment Rate: 100% (for students passing the licensure examination)
Licensure Examination Pass Rates (2-year average): 100%

[5] Requirements for Application to the DPT Program

Students who wish to apply for admission to the Doctor of Physical Therapy degree program must first complete a baccalaureate degree and specific prerequisite courses. A complete list of prerequisites for the UCA DPT program may be found in the UCA *Graduate Bulletin* or on the UCA Physical Therapy website http://uca.edu/pt/. Applicants for the DPT program may complete the baccalaureate degree in any field as long as all prerequisites for the program are complete by the time of matriculation and all other requirements for the DPT program are met.

[6] Bachelor of Science in Health Science, Physical Therapy Emphasis

Students who are interested in applying to the UCA Doctor of Physical Therapy (DPT) program may elect to pursue the BS in Health Science with a physical therapy emphasis. This degree 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 purpose of the Bachelor of Science (BS) in Health Sciences degree with a physical therapy emphasis is to qualify graduates of the program as candidates for the DPT degree. In addition to the baccalaureate degree, students applying for the DPT program must meet specific grade point averages, have designated prerequisite courses, observe in the clinic, and take the Graduate Record Examination (GRE). The BS in Health Science with physical therapy emphasis does **not** prepare a graduate for licensure or employment as a physical therapist or a physical therapist assistant.

For more information on the professional Doctor of Physical Therapy (DPT) program, the student is referred to the UCA Graduate Bulletin or Physical Therapy website http://uca.edu/pt/.

The BS in Health Science degree with an emphasis in physical therapy requires a total of 120 semester credit hours, of which 40 credits must be upper division. Degree requirements are as follows (see individual departments for course descriptions):

[6.1] UCA Lower-Division Core (38 hours)

Complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements). Health Sciences – Physical Therapy Emphasis majors must include the following courses in their UCA Core selections: MATH 1390 (or higher), PSYC 1300, BIOL 1440, and CHEM 1450 or CHEM 1402.

[6.2] Health Science Core (15 hours)

BIOL 2406 Structure and Function of the Human Body I
CHEM 1451 College Chemistry II **or** CHEM 2450 Physiological Chemistry II
PHYS 1410 College Physics 1
PSYC 2330 Psychological Statistics

[6.3] Degree Requirements (25 hours)

BIOL 2407 Structure and Function of the Human Body II
BIOL 2420 Histology for Health Sciences
BIOL 3370 Introduction to Neuroscience
BIOL 4311 Pathophysiology **or** BIOL 4351 General Pharmacology
H SC 3123 Medical Terminology
PHYS 1420 College Physics 2
PSYC 3332 Research Methods
PSYC Elective

[6.4] UCA Upper-Division Core (15 hours)

The Upper-Division Core (UDC) requirements for Diversity, Communication, Critical Inquiry and Responsible Living will be fulfilled by completing a 3 hour course for each category (consult your academic advisor for courses that will fulfill each category) as well as a Capstone course.

Upper-Division Core/Diversity – 3 hours
Upper-Division Core/Communication – 3 hours
Upper-Division Core/Critical Inquiry – 3 hours
Upper-Division Core/Responsible Living – 3 hours
Upper-Division Core/Capstone: EXSS 4320 (taken senior year) – 3 hours

[6.5] Major Electives (18 hours)

Six courses (18 hours) must be taken from the following:

BIOL 4311 Pathophysiology
BIOL 4351 General Pharmacology
H ED 3305 Human Sexuality
H ED 3320 Epidemiology Research
H ED 4300 Community Health
H ED 4301 Health Education in the Medical Care Setting
H ED 4302 Health Education in the Worksite
H ED 4303 Environmental Health Problems
H ED 4310 Health Concerns of the Aging
H ED 4312 Drug Education
H ED 4343 Health Strategies for Multicultural Populations
H ED 4395 Contemporary Health Concerns – Women
H ED 4396 Contemporary Health Concerns – Men
EXSS 3331 Care and Prevention of Exercise and Sport Injuries
EXSS 3382 Mechanical Kinesiology
EXSS 4300 Exercise Physiology

MGMT 3305 Social Issues in Management
MGMT 3315 Diversity/Multicultural Communications
NUTR 3370 Advanced Nutrition
NUTR 3390 Nutrition and Metabolism
NUTR 4315 Sports Nutrition
PSYC 3325 Cognitive Psychology
PSYC 3330 Sensation & Perception
PSYC 3350 Psychology of Women
PSYC 3351 Psychology of Learning
PSYC 3360 Social Psychology
PSYC 3370 Sports Psychology
PSYC 4320 Abnormal Psychology
PSYC 4325 Physiological Psychology
SOC 3310 Racial and Ethnic Relations
SOC 3350 Marriages and Families
SOC 3361 Gender Roles
SOC 3381 Death and Dying

[6.6] Additional Courses (9 hours)

Nine hours of additional courses (free choice electives) are necessary to complete the 120 hour degree program.

[7] Honors in Physical Therapy Emphasis: Health Sciences

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

During their junior year, qualified students are invited to become candidates for Honors in Physical Therapy. Students must have earned at least an overall GPA of 3.7. Students identify possible mentors, and once a mentor agrees, the student and faculty mentor plan a project and assemble a faculty committee. Students are required to complete a minimum of three hours of directed study in PTHY 4383. Upon completing the written thesis, the student will give an oral presentation to which Physical Therapy faculty and students are invited. Upon successful completion of the written report and oral presentation the faculty advisor will assign a grade and the advisory committee will review the work and, if appropriate, recommend graduation with honors to the Physical Therapy faculty.

[8] Courses in Physical Therapy (PTHY)

Follow this link for PTHY course descriptions: course link.

Department of Psychology and Counseling

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/department-of-psychology-and-counseling/

Chair and Professor: A. Gillaspy (PhD), 450-3193
Professor: E. Bihm (PhD), R. Bramlett (PhD), W. Lammers (PhD), J. Murphy (PhD), P. Nail (PhD), B. Smith (PhD)
Associate Professor: B. Bolter (PhD), K. Boniecki (PhD), J. Brinegar (PhD), S. Charlton (PhD), K.

Rowell (PhD), M. Scoles (PhD), J. Simon (PhD), K. Sobel (PhD), F. Varghese (PhD), D. Xie (PhD)
Assistant Professor: D. Anderson (PhD), H. Martens (PhD), M. Sestir (PhD)
Instructor: V. Charlton (MRC), S. Riedmueller (MS)

[1] Purposes

The primary purpose of the Bachelor of Science and Bachelor of Arts programs in psychology is to prepare undergraduates: (1) to think scientifically about behavior and (2) for advanced studies in psychology and other professional areas where an understanding of the principles of behavior is required.

[2] Honors in Psychology

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

The Honors in Psychology program allows majors to complete an independent research project under the supervision of a faculty advisor in the department. Applicants must have a cumulative grade point average of 3.00 and a major grade average of 3.00, have completed a minimum of 72 hours of total coursework, and have completed a minimum of 12 hours of psychology coursework. Applicants will notify the Chair of the Honors Committee in the Department of Psychology and Counseling about their intent to participate by submitting a description of their research plan. To graduate with honors a student must complete and defend the project before graduation and give an oral presentation of both an initial proposal and a subsequent defense of his/her project to the department's Honors Committee.

[3] Curricula

[3.1] Baccalaureate Degrees: Bachelor of Science, Bachelor of Arts

The Bachelor of Science degree in psychology requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements through major courses, including PSYC 3332: Research Methods (I), PSYC 3340: Research Methods Lab (Z), PSYC 4340: History & Systems (I, D) and a Responsible Living course to include PSYC 3305: Health Psychology (R), PSYC 3306: Positive Psychology (R) or a (R) designated course from the minor (see the UCA Core requirements); (2) degree requirements; and (3) 36 hours in the department as indicated below. A minor (or second major) is required and must be worked out with the student's advisor in the other department.

The Bachelor of Arts degree in psychology requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements through major courses, including PSYC 3332: Research Methods (I), PSYC 3340: Research Methods Lab (Z), PSYC 4340: History & Systems (I, D) and a Responsible Living course to include PSYC 3305: Health Psychology (R), PSYC 3306: Positive Psychology (R) or a (R) designated course from the minor (see the UCA Core requirements); (2) degree requirements; and (3) 36 hours in the department as indicated below. A minor (or second major) is required and must be worked out with the student's advisor in the other department.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

BA/BS, Major in Psychology (36 hours)

Category I: Psychology Core (15 hours)

PSYC 1300 General Psychology **[ACTS: PSYC1103]**
PSYC 2330 Psychological Statistics
PSYC 3332 Research Methods (2330 prerequisite) **[UD UCA Core: I]**
PSYC 3340 Research Methods Lab (3332 prerequisite) **[UD UCA Core: Z]**
PSYC 4340 History and Systems of Psychology (last semester) **[UD UCA Core: I, D]**

Category II: Choose 6 hours

PSYC 3330 Sensation and Perception
PSYC 3325 Cognitive Psychology
PSYC 3345 Evolutionary Psychology
PSYC 3351 Psychology of Learning
PSYC 4310 Comparative Psychology
PSYC 4325 Physiological Psychology

Category III: Choose 6 hours

PSYC 2370 Developmental Psychology
PSYC 3333 Multicultural Psychology
PSYC 3360 Social Psychology
PSYC 4300 Theories of Personality
PSYC 4320 Abnormal Psychology
PSYC 4352 Adult Development and Aging
PSYC 4360 Mental Health Professions (PSYC 4320 and psychology major prerequisites, or consent of instructor)

Category IV: Choose 9 hours

PSYC 3305 Health Psychology **[UD UCA Core: R]**
PSYC 3306 Positive Psychology **[UD UCA Core: R]**
PSYC 3331 Psychology of Business and Industry
PSYC 3350 Psychology of Women **[UD UCA Core: D]**
PSYC 3361 Media Psychology **[UD UCA Core: C]**
PSYC 3370 Sports Psychology
PSYC 4305 Judgment & Decision-Making **[UD UCA Core: I, C]**
PSYC 4V80 Independent Readings in Psychology
PSYC 4V82 Independent Research in Psychology

PSYC 4351 Applied Behavior Analysis (3351 prerequisite)
PSYC 4377 Study Abroad in Psychology **[UD UCA Core: D]**
PSYC 4380 Independent Readings
PSYC 4382 Independent Research
PSYC 4390 Tests and Measurements (2330 prerequisite)

Courses not used to complete category II or III requirements may be used in category IV.

[3.2] Minors

[3.2.1] Minor in Psychology (21 hours)

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

[3.2.2] Minor in Sports Psychology (21 hours)

The minor in Sports Psychology requires 21 hours (3 hours of prerequisites that may also count towards the lower-division core and 18 hours of course work from the PSYC, NUTR, BIOL, and EXSS departments).

Required Prerequisite

PSYC 1300 General Psychology **[ACTS: PSYC1103]**

Note: Psychology majors must take one additional 3-credit psychology course to substitute for the PSYC 1300 prerequisite because PSYC 1300 must be used for the psychology major.

Note: This prerequisite may count as the social science course for the critical inquiry component of the UCA Core lower-division requirement in addition to a minor requirement.

Other Required Courses

PSYC 3370 Sport Psychology

One of the following courses below. Courses must not be required for major field of study. The remaining class can be taken as an elective.

EXSS 4395 Sport in American Society
SOC 3330 Sociology of Sports

Elective Courses

Choose 12 hours from the following electives. Courses must not be required for major field of study; Psychology majors cannot take more than two PSYC courses.
BIOL 2405 Human Anatomy and Physiology
EXSS 2340 Motor Development and Learning
EXSS 3331 Care and Prevention of Athletic Injuries
NUTR 4315 Sports Nutrition
PSYC 2370 Developmental Psychology
PSYC 3305 Health Psychology
PSYC 3351 Psychology of Learning
PSYC 3360 Social Psychology

PSYC 4300 Personality Psychology
PSYC 4351 Applied Behavior Analysis

Students who complete a BA/BS degree in Psychology can minor in Sports Psychology, but PSYC courses used for the major will not also count for the minor.

[3.2.3] Minor in Cognitive Neuroscience (22 hours)

The minor in Cognitive Neuroscience requires 22 hours as detailed here:

Required Prerequisites

PSYC 1300 General Psychology **[ACTS: PSYC1103]** (3 credits)
BIOL 1440 Principles of Biology I (4 credits)

Note: Psychology majors must take one additional 3-credit psychology course to substitute for the PSYC 1300 prerequisite because PSYC 1300 must be used for the psychology major.

Note: Prerequisites may fulfill UCA Core lower-division requirements in addition to minor requirements.

Elective Courses

Choose 15 hours from the following. Students must take courses from three different departments.

BIOL 3310 Neuroethology: The Neural Basis of Natural Behaviors
BIOL 3370 Introduction to Neuroscience
BIOL 4425 Experimental Neurobiology
CSD 2306 Neuroscience for Communication
CSD 3311 Fundamentals of Speech and Hearing Science
CSD 3321 Language Acquisition and Literacy
CSD 4311 Introduction to Audiology
CSD 4330 Neurogenic Communication Disorders
PHIL 3341 Theories of Knowledge
PHIL 3375 Philosophy of Mind
PHIL 4330 Philosophy of Language
PSYC 3325 Cognitive Psychology
PSYC 3330 Sensation and Perception
PSYC 4325 Physiological Psychology

Students who complete a BA/BS degree in Psychology can minor in Cognitive Neuroscience, but PSYC courses used for the major will not also count for the minor.

[3.2.4] Minor in Health Psychology (21 hours)

The minor in Health Psychology requires 21 hours as detailed here:

Required Courses

PSYC 3305 Health Psychology
H ED 4300 Community Health Problems

Note: Prerequisites may fulfill UCA Core lower-division requirements in addition to minor requirements.

Elective courses

Choose 15 hours form the following. No more than two courses may come from the same department.

H ED 2320 Mental Health
H ED 4343 Health Strategies for Multicultural Populations
H ED 4395: Contemporary Health Concerns: Women
H ED 4396 Contemporary Health Concerns: Men
EXSS 3350 Obesity Prevention and Management
NUTR 1300 Foundations of Nutrition
NUTR 4395 Nutrition Contemporary Issues (Prerequisite: NUTR 1300)
NUTR 4315 Sports Nutrition
PSYC 3306 Positive Psychology (Prerequisite: PSYC 1300)
PSYC 3360 Social Psychology (Prerequisite: PSYC 1300)
PSYC 3370 Sport Psychology (Prerequisite: PSYC 1300)
PSYC 4320 Abnormal Psychology (Prerequisite: PSYC 1300)
PSYC 4351 Behavior Modification (Prerequisite: PSYC 1300)

Students who complete the BA/BS in Psychology can minor in Health Psychology, but PSYC courses used for the major will not also count for the minor.

[3.3] Graduate Degrees

The Department of Psychology and Counseling offers master's degrees in Mental Health Counseling and School Psychology and a Doctor of Philosophy (PhD) degree in Psychology (School Psychology and Counseling Psychology). See the *Graduate Bulletin* for details.

[4] Courses in Psychology (PSYC)

Follow this link to PSYC course descriptions: course link.

School of Nursing

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/school-of-nursing/

Director and Associate Professor: S. Gatto (PhD), 450-3119
Professor: J. Meaux (PhD)
Associate Professor: P. Ashcraft (PhD), M. Garnica (DNP)
Assistant Professor: K. Griffith (DNP), L. Hall (DNP), S. Harris (DNP), V. Hart (PhD), C. Reed (PhD), S. Stroman (PhD), P. Walker (DNP)
Clinical Instructor: A. Beaver (MSN), B. Bisek (MSN), A. Cheves (MSN), T. Elliff (MSN), E. Fifer (MSN), L. Gillis (MSN), M. Grantham (MSN), J. James (MSN), K. Jordan (MSN), K. Quinn (MSN), S. Stone (MSN)

[1] Purposes

The School of Nursing is committed to educating students at the baccalaureate and graduate level to address evolving health care needs and to advance the practice of nursing in an ever-changing society. Graduates of the baccalaureate program have the theoretical base in nursing and related

disciplines and the skills, both interpersonal and technological, required for practice and have the foundation for graduate study.

[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 and simulated learning experiences in the Simulation Center and in a variety of central Arkansas health care agencies, institutions, and communities.

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). Based on Arkansas State Board of Nursing rules and regulations, eligible students are allowed to apply to take the Practical Nurse (LPN) licensing examination (NCLEX-PN) after successfully completing the Level 3 nursing courses.

Per state law, persons convicted of certain crimes will not be eligible to take the RN or LPN licensure examination. For more information and a list of crimes, refer to www.arsbn.org, Nurse Practice Act, chapter 3, § 17-87-312.

[3] Academic Progression for RNs and LPNs

The RN-to-BSN and RN-to-BSN/MSN tracks are for RNs who have an associate degree in nursing or a hospital diploma in nursing and have an unencumbered RN license. The UCA School of Nursing complies with the Arkansas Nursing Education Progression Model.

[3.1] RN to BSN

The RN-to-BSN track is for the Registered Nurse (RN) who is a graduate of any accredited associate degree or hospital diploma program and seeks a Bachelor of Science in Nursing (BSN) degree. Visit uca.edu/nursing or contact the School of Nursing for additional information about the RN-to-BSN track.

Students who have graduated with an associate degree in nursing from one of the Arkansas Community College Partners should refer to the transfer agreement for that college when determining the courses needed to be eligible for admission into the UCA Nursing program. (See uca.edu/2plus2/agreements/.)

[3.1.1] Admission to the RN-to-BSN track

Admission is selective and competitive. Students applying to this track are admitted spring, summer, and fall. Requirements for admission to the RN-to-BSN track are the following:

1. Current unencumbered Arkansas RN license.
2. An associate degree or hospital diploma earned from an NLNAC accredited nursing program leading to RN licensure. (Graduates of non-NLNAC accredited schools will be considered on an individual basis.)
3. Minimum cumulative GPA of 2.75
4. Completion of the following non-nursing prerequisite courses (37 credit hours) with a minimum GPA of 2.5. Applicants lacking 1 or 2 prerequisite courses may be considered for admission with approval. If applicable, UCA courses below are accompanied by their

Arkansas Course Transfer System (ACTS) equivalent in brackets. Visit the ACTS website at http://acts.adhe.edu to determine course equivalents at other Arkansas institutions.

- BIOL 1410 Human Anatomy & Physiology I **[ACTS: BIOL2404]**
- BIOL 2410 Human Anatomy & Physiology II **[ACTS: BIOL2414]**
- BIOL 2411 Microbiology in Human Affairs **[ACTS: BIOL2004]**
- CHEM 1402 General Chemistry for Health Sciences **[ACTS: CHEM1214]** or CHEM 2450 Introduction to Organic & Biochemistry **[ACTS: CHEM1224]** or CHEM 1450 College Chemistry I **[ACTS: CHEM1414]** or CHEM 1451 College Chemistry II [CHEM1424]
- COMM 1300 Principles of Communication **[ACTS: SPCH1003]** or UCA equivalent (MGMT 2301 or MKTG 2376)
- MATH 1390 College Algebra **[ACTS: MATH1103]**
- MATH 2311 Elementary Statistics **[ACTS: MATH2103]** or UCA equivalent (PSYC 2330, QMTH 2330, SOC 2321, or PSCI 2312)
- PSYC 1300 General Psychology **[ACTS: PSYC1103]**
- PSYC 2370 Development Psychology **[ACTS: PSYC2103]** or FACS 2341 Lifespan Development
- WRTG 1310 Introduction to College Writing **[ACTS: ENGL1013]** or HONC 1310 Honors Core I
- WRTG 1320 Academic Writing & Research **[ACTS: ENGL1023]** or ENGL 1320 Interdisciplinary Writing & Research **[ACTS: ENGL1023]** or HONC 1320 Honors Core II

5. Completion of the remaining state minimum core requirements (12 hours) with at least a "D"
   - 6 credit hours of Fine Arts and/or Humanities courses (see the current lower-division UCA Core check sheet for qualifying courses and ACTS equivalents: check sheet link)
   - 3-credit-hour Social Science course besides PSYC 1300 General Psychology (see the current lower-division UCA Core check sheet for qualifying courses and ACTS equivalents: check sheet link)
   - HIST 2301 The Making of America **[ACTS: HIST2113]** or HIST 2302 America in the Modern Era **[ACTS: HIST2123]** or PSCI 1330 US Government & Politics **[ACTS: PLSC2003]**
6. At least 1000 hours of nursing employment during the past 12 months if the associate degree or hospital diploma was earned from an NLNAC accredited program more than twelve months prior to admission. No work experience is required if the associate degree or hospital diploma was earned from an NLNAC accredited program in the past 12 months. Graduates of non-NLNAC accredited programs are handled on an individual basis.
7. Admission to UCA

[3.1.2] RN-to-BSN requirements

Qualified RNs receive 41 hours of BSN nursing credit based on their prior educational program. Credit will be placed on the student's transcript for the following courses after all other RN-BSN requirements have been met (see below). Students do not enroll in or pay tuition for these courses.

NURS 2305 Health Assessment
NURS 2310 Pharmacology

NURS 2505 Concepts of Professional Nursing
NURS 2510 Caring for Medical-Surgical Patient
NURS 3501 Caring for Child Bearing Family
NURS 3505 Caring for Children and Their Families
NURS 3510 Caring for Individuals with Psychiatric Disorders
NURS 3515 Caring for Adults with Chronic Health Problems
NURS 4505 Caring for Adults with Complex Health Problems

Once admitted, students will only need to complete 12 months of online courses (30 credit hours). The RN-to-BSN track is offered totally online. To be awarded the BSN degree from UCA, the RN-to-BSN student must complete the following required nursing courses.

NURS 3201 Nurse as Educator
NURS 4220 Health Policy & Professional Issues in Nursing **[UD UCA Core: D]**
NURS 4214 Special Topics in Nursing or 2-hour upper-division Nursing elective
NURS 4245 RN to BSN Transitions
NURS 4315 Nursing Research & EBP
NURS 4335 Informatics
NURS 4340 Health & Physical Assessment
NURS 4345 Pathophysiology
NURS 4510 Community Health Nursing
NURS 4515 Nursing Leadership & Management

Prior learning assessment (PLA) of Critical Inquiry (I), Communication (C), Responsible Living (R), and Capstone (Z) requirements of the upper-division UCA Core are assumed with Registered Nurse (RN) licensure. UCA Core requirements for Diversity (D) will be met by NURS 4220 Health Policy and Professional Issues.

[3.2] RN to BSN/MSN

The RN-to-BSN/MSN track is for the Registered Nurse (RN) who graduated from an accredited associate degree or hospital diploma program and seeks both a Bachelor of Science in Nursing (BSN) and a Master of Science in Nursing (MSN) degree. Qualified RNs receive 41 hours of BSN nursing credit based on their prior educational program. Admission to the RN-to-BSN/MSN program is competitive with limited enrollment. Students applying to this track are admitted fall only.

RN-to-BSN/MSN students complete a total of 30 credit hours for the BSN of which 9 hours are graduate-level hours. The MSN degree requires an additional 30 graduate credit hours for the Adult/Gerontology Nurse Practitioner (AGNP), Clinical Nurse Leader (CNL) and Nurse Educator with Clinical Specialty (NECS) tracks. Students completing the Family Nurse Practitioner (FNP) track will complete an additional 35 graduate credit hours. The RN-to-BSN/MSN track is delivered online with minimal on-campus visits.

Visit uca.edu/nursing or contact the School of Nursing for additional information about the RN-to-BSN/MSN track.

[3.3] LPN to BSN

The LPN-to-BSN track is available for LPNs who are already licensed to practice nursing based on the Arkansas Nursing Education Progression Model.

The LPN to BSN track is for the Licensed Practical Nurse (LPN) who wishes to become a Registered Nurse (RN) with a Bachelor of Science in Nursing (BSN) degree. Qualified LPNs receive up to 13 hours of BSN nursing credit. Students in this program must complete the nursing specific pre-requisite courses prior to being admitted. LPNs applying to this track are only admitted one time a year in the fall.

Visit uca.edu/nursing or contact the School of Nursing for additional information about the LPN-to-BSN track.

[4] Honors in Nursing

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

During the spring semester of the junior year qualified students are invited to become candidates for the Honors in Nursing program. 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 project, the student is eligible to graduate with honors in nursing.

[5] Master's and Doctoral Degrees

See *Graduate Bulletin*.

[6] Accreditation Status

The baccalaureate and master's degree programs are approved by the Arkansas State Board of Nursing. The baccalaureate, master's, post-master's certificate, and DNP programs in nursing at UCA are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791, www.aacnnursing.org.

[7] 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 at uca.edu/nursing.

Minimum admission criteria include the following:

- Minimum GPA of 2.5.
- Completion, with a minimum grade of C, for
  WRTG 1310 and WRTG 1320
  MATH 1390
  CHEM 1402 **or** CHEM 1450
  BIOL 1410 and BIOL 2410
  or
  BIOL 2406 and BIOL 2407

PSYC 1300
Diversity in World Cultures/Social Science option, and Inquiry & Analysis or Diversity in Creative Works or History/Government option

- Applicants not born in the United States or in a country where English is the official language must document their English proficiency. An official score of 83 or higher on the iBT TOEFL exam is required. The exam must have been taken within the last two (2) calendar years. Only iBT TOEFL scores received directly from ETS or the UCA Testing Center will be accepted as valid.
- Applicants must have a valid United States Social Security number filed with UCA.
- Presentation of a complete application and other required documents within published deadlines
- A $50 non-refundable application fee

A more detailed list of criteria and information regarding the application review process should be obtained from the School of Nursing.

[8] Program of Study for the BSN Degree

The baccalaureate program consists of 30 hours of pre-nursing/prerequisite courses and six semesters of nursing major, UCA Core, and related major requirements. Courses in the professional major are sequentially planned. Each nursing course is usually offered only once each academic year.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[8.1] UCA Lower-Division Core and Related Major Requirements (55 hours)

The lists that follow include the UCA Core, which requires completion of 38 hours to meet lower-division UCA Core requirements and completion of upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements).

[8.1.1] Lower-Division UCA Core Requirements and the Nursing Major: Non-Nursing Course Requirements

WRTG 1310 and 1320
MATH 1390
PSYC 1300
CHEM 1402 **or** CHEM 1450
BIOL 1410 and 2410
NUTR 1300
PSCI 1330 **or** HIST 2301 **or** HIST 2302
COMM 1300 **or** MGMT 2301 **or** MKTG 2376

Critical Inquiry: Fine Arts/Humanities category
Diversity: Diversity in Creative Works category
Diversity in World Cultures: Social Science option
BIOL 2411
BIOL 4311
FACS 2341 **or** PSYC 2370
PSYC 2330 **or** SOC 2321 **or** MATH 2311 **or** PSCI 2312 **or** QMTH 2330

[8.2] Nursing Major and Upper-Division Core Requirements (65 hours)

NURS 2305 Health Assessment
NURS 2310 Nursing Pharmacology
NURS 2505 Concepts of Professional Nursing
NURS 2510 Medical-Surgical Nursing
NURS 3201 Nurse as Educator
NURS 3501 Maternal-Newborn Nursing
NURS 3505 Child and Adolescent Nursing
NURS 3510 Psychiatric-Mental Health Nursing
NURS 4335 Nursing Informatics
NURS 4510 Community Health Nursing
NURS 4515 Nursing Leadership and Management

[8.2.1] Upper-Division Core Requirements

NURS 3515 Chronic Health and Older Adult Wellness **[UD UCA Core: R]**
NURS 4220 Health Policy and Professional Issues **[UD UCA Core: D]**
NURS 4315 Research for Evidence-Based Practice **[UD UCA Core: I]**
NURS 4505 Caring for Adults with Complex Health Problems **[UD UCA Core: C]**
NURS 4430 Immersion Experience **[UD UCA Core: Z]**

[9] School of Nursing Policies

The current editions of the *UCA Student Handbook* and the *Nursing Student Handbook: Baccalaureate Program* specify the rules, regulations, and policies that apply to all UCA undergraduate nursing students. It is the responsibility of the student to know and follow the most recent policies and procedures.

[10] Courses in Nursing (NURS)

Follow this link for NURS course descriptions: course link.

Medical Laboratory Science Program

URL: http://uca.edu/ubulletin-dev/colleges-departments-programs/college-of-health-and-behavioral-sciences/medical-technology-program/

Advisor: E. Fox (EdD), 450-3194

[1] Program

Medical laboratory science (also known as medical technology) is a profession that is practiced almost exclusively in hospitals or diagnostic clinics. These specialists perform the laboratory tests ordered by physicians and are the only laboratory technicians who are qualified to work independently of supervisory personnel. Upon completion of the professional program, the graduate is eligible to take various certification examinations required for licensure.

The Department of Health Sciences, in cooperation with Baptist Health, offers a Bachelor of Science degree in medical laboratory science. Three years of this program are taken on the UCA campus, and the fourth is completed in the hospital-associated teaching laboratories.

[2] Baccalaureate Degree: Bachelor of Science

Requirements for the degree are as follows:

1. Completion of a minimum of 79 semester hours described below with at least a 2.5 GPA is necessary for application to the professional curriculum. In order to receive credit toward a degree from the university, the student must apply and be admitted to UCA prior to enrolling in the professional curriculum in medical technology. In all cases students will be required to complete a total of 120 hours with a minimum of 30 hours of residence credit.
2. Acceptance into the clinical program in medical technology at Baptist Health.
3. Completion of the professional curriculum with a minimum GPA of 2.5.

The curriculum for medical laboratory science is shown in the table below. Note that students wishing to earn the BS in Medical Laboratory Science must satisfy the requirements of the the UCA Core (see the UCA Core requirements). Consult the program advisor for specific details of the UCA Core as it applies to the BS in Medical Laboratory Science.

Preprofessional Curriculum	**SCH**
TOTAL	**79**
UCA Core courses not listed below	27
Specified UCA Core and other required courses:	
MATH 1390 or above	3
CSCI 1300 or MIS 2343	3
BIOL 1440, 1441, 2405, 2411	16
CHEM 1450, 1451, 2401, 3411	16
Electives	14
Professional Curriculum	**SCH**

TOTAL	**41**
Immunology	1
Immunohematology	1
Hematology	4
Body Fluids	1
Clinical Microbiology	4
Clinical Chemistry	4
Lab Fundamentals	1
Seminar II	1
Management/Education	1
Clinical Internship I	5
Clinical Internship II	5
Clinical Internship III	6
Clinical Internship IV	7

[3] Courses in Medical Laboratory Science (MD T)

Follow this link for MD T course descriptions: course link.

Nuclear Medicine Technology Program

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/nuclear-medicine-technology-program/

Advisors: C. Shelton (MSE) and D. Smith (MS), 450-3194

[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, and computer acquisition and analysis of data. The NMT works closely with nuclear medicine physicians, radiologists, and referring patient physicians in order to ensure that each patient receives the highest quality study possible.

The clinical program at Baptist Health College Little Rock is accredited by the Joint Review Committee on Education Programs in Nuclear Medicine Technology (JRCNMT).

[2] Baccalaureate Degree Program Requirements

The Department of Health Sciences in cooperation with Baptist Health College Little Rock (BHCLR) offers a Bachelor of Science degree with a major in nuclear medicine technology. The degree requirements consist of 3 years and 73 hours of course work at UCA and 47 hours taken over 12 months at BHCLR. 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 BHCLR. Students may transfer into the nuclear medicine 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 BHSLR.

Admission and acceptance into the clinical curriculum at BHCLR is on a competitive basis. Applicants are required to have earned a composite score of 21 or higher on the ACT to be eligible at Baptist Health Schools Little Rock. Additionally, 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 nuclear medicine program at BHCLR, with a final grade of "C" or higher on certain prerequisite courses (see the list below). The application deadline for the clinical phase of the nuclear medicine program is March 1, and classes begin in July at BHCLR.

Information concerning the clinical curriculum and requests for applications should be directed to BHCLR. All questions regarding prerequisite course work should be directed to the UCA nuclear medicine technology advisor.

[2.1] Prerequisite Curriculum at UCA (73 hours)

The UCA Core: Complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements). Consult the program advisors for specific details of the UCA Core as it applies to the BS in Nuclear Medicine Technology.

Other required courses (some of these courses are part of the 38-hour lower-division UCA Core): CHEM 1450, 1451, 2401; MATH 1390; BIOL 1440, ~~2405~~ 2406, 2407†; CSCI 1300 or MIS 2343; PHYS 1410, 1420; Statistics (MATH 2311 or PSYC 2330 or SOC 2321 or ECON 2330).

† Because of a change in clinical-program accreditation standards, all students entering the BHCLR program in July 2018 must have completed BIOL 2406 and 2407.

Baptist Health College Little Rock requires that an applicant have earned a final grade of "C" or better in the following prerequisite courses:

College Algebra
General Chemistry with Laboratory
General Physics
Human Anatomy and Physiology (two courses, each with a laboratory)
Humanities course
Oral Communications course
Written Communications course
Social Science course

[2.2] Professional Curriculum at BMC (47 hours)

NMT 4100, 4210, 4410, 4415, 4420, 4425, 4325, 4435, 4430, 4315, 4320, 4330, 4440, 4215, 4220. Note: Baptist Health Schools Little Rock requires all prerequisites to be complete prior to the program start date. All but one course must be in progress at the time of application to BMC.

[3] Courses in Nuclear Medicine Technology (NMT)

Follow this link for NMT course descriptions: course link.

Radiography Program

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-health-and-behavioral-sciences/radiography-program/

Advisors: C. Shelton (MSE) and D. Smith (MS), 450-3194

[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 Health College Little Rock and St. Vincent Health System Little Rock, offers a Bachelor of Science degree with a major in radiography. The BS program in Radiography does not require a minor. The degree requirements consist of 61 hours of prerequisite course work at UCA and 60 hours taken over 24 months at Baptist Health College Little Rock or St. Vincent Health System Little Rock. 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. Applicants are required to have the results of the ACT with a composite score of 19 or higher, and a score of 17 or higher in Math & Sciences to be eligible at Baptist Health College Little Rock. The application deadline for the clinical phase of the radiography program is March 1st and classes begin in early

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 (61 hours)

1. **The UCA Core**: Complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements). Consult the program advisors for specific details of the UCA Core as it applies to the BS in Radiography.
2. **Other required courses** (courses in this list marked with "*****" should be used to fulfill the appropriate general education requirement):
   CSCI 1300 or MIS 2343
   ***** PSYC 1300
   PSYC 3360 or 4320
   ***** BIOL 1400 or 1440
   BIOL 2406
   BIOL 2407
   ***** PHYS 1405
   ***** MATH 1390
3. Applicants are required to schedule and complete a tour of both hospital facilities prior to applying.
4. Baptist Health College requires 6-8 hours of observation in the field of Radiography. St. Vincent highly recommends applicants complete some observation hours prior to applying.

[2.2] Clinical Curriculum at an affiliated hospital program (60 hours)

RADG 2110, 2111, 2112, 2113, 2114, 2120, 2121, 2130, 2223, 2224, 2231, 2232, 2233, 2420, 2115, 3140, 3141, 3142, 3243, 3144, 3150, 3151, 3250, 3340, 3530 (BHCLR only), 3851, 3900 (SV only), 4162, 4164, 4261, and 4760.

Note: To receive a Bachelor of Science degree in radiography, the student must complete the hospital phase at an affiliate-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.

College of Liberal Arts

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/

Interim Dean and Professor: P. Mehl (PhD), 450-5282
Interim Associate Dean and Associate Professor: M. Mullenbach (PhD), 450-5139

[1] Mission

The College of Liberal Arts is a community of teachers, scholars and students whose primary mission is the pursuit of knowledge. Through teaching, advising, scholarly or creative endeavors and community and professional 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 advance 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 world.

The college provides university students with a broad education in the liberal arts. The goals of a 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, historically informed 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 prepare students to become more responsible and adaptable human beings who understand the complexity of a constantly changing world and who are prepared to function effectively in a globally interdependent world.
- To engage students in experiential learning through such activities as undergraduate research projects, internships, study abroad, and service-learning.

The College of Liberal Arts offers a rich variety of UCA Core courses, with a focus on the areas of American History and Government, Social Science, Humanities, Diversity, and Responsible living. 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.

[2] Departments

The department names link to the department pages in this issue of the UBulletin.

English
History
Philosophy and Religion
Political Science
Sociology, Criminology, and Anthropology
Languages, Linguistics, Literatures, and Cultures

[3] Honors in the Majors Programs

Anthropology
Criminology
English
History
International Studies
Linguistics
Modern Languages
Philosophy
Political Science
Public Administration
Religious Studies
Sociology

[4] Degrees Offered

[4.1]Associate Degree

Associate of Arts in General Education

The associate of arts degree in general education requires 38 hours of lower-division UCA Core courses and 22 hours of electives for a total of 60 unduplicated college credits to complete the degree, and a minimum 2.0 cumulative grade point average. See Degree Requirements, § 1, for more detailed information.

[4.2] Bachelor of Arts

African/African American Studies (see Interdisciplinary Programs)
Anthropology
Criminology
English
History
Interdisciplinary Liberal Studies (see Interdisciplinary Programs)
International Studies
Linguistics
Modern Languages (Chinese, French, Spanish)
Philosophy
Political Science

Public Administration
Religious Studies (see Interdisciplinary Programs)
Sociology

[4.3] Bachelor of Science

Anthropology
Criminology
History
Philosophy
Political Science
Public Administration
Religious Studies (see Interdisciplinary Programs)
Sociology

[4.4] Bachelor of Science in Education

Social Studies, History Emphasis

[4.5] Pre-Professional Studies

Pre-Law

[4.6] Master of Arts

English
History
Spanish

[4.7] Minors

African/African-American Studies (see Interdisciplinary Programs)
Anthropology
Asian Studies (see Interdisciplinary Programs)
English
French
Gender Studies (see Interdisciplinary Programs)
German
History
International Studies
Linguistics
Latin American and Latino Studies (see Interdisciplinary Programs)
Mandarin Chinese
Philosophy
Political Science
Presidential Studies
Public Administration
Religious Studies (see Interdisciplinary Programs)
Sociology

Southern and Arkansas Studies (see Interdisciplinary Programs)
Spanish

Department of English

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/department-of-english/

Interim Chair and Professor: C. Shumaker (PhD), 450-5126
Professor: J. Fowler (PhD), R. Frontain (PhD), J. Glenn (PhD), M. Lee (PhD), H. Rogers (PhD), M. Schaefer (PhD), W. Stengel (PhD)
Associate Professor: B. Chen (PhD), D. Coleman (PhD), S. Fritz (PhD), R. Gaughan (PhD), M. Marotte (PhD), P. Reynolds (PhD)
Assistant Professor: G. Jellenik (PhD), L. Leavell (PhD), S. Lettman (PhD), M. Smith (PhD), K. Willis (PhD)

[1] Purposes

The fourfold objective of the Department of English is (1) to improve the abilities of students in understanding, writing, and speaking the English language; (2) to increase students' pleasure in and knowledge of literature as an art form; (3) to enable our students to find meaning in large amounts of information and to give them the skills of synthesis to evaluate, interpret, and use this information to solve problems; and (4) to endow students of literature and language with the ability to work with sympathetic imagination with people from backgrounds and cultures different from their own—that is, to give the English major an understanding of globalization and its implications for the world of work in the twenty-first century.

Courses in literature are varied in such a fashion that general overall views of world literature, British literature, and American literature are presented in addition to period courses, "figure" courses, and genre courses which allow greater in-depth study. Increasingly, our world literature classes and our introduction to fiction, drama, and poetry are taking a global perspective which demonstrates to students the nature of and relationships among cultures across national boundaries. By understanding literary expression as a product of social, historical, and artistic processes, our students see parallels and connections among citizens and artists in societies around the globe.

English majors will have had a strong foundation, both in studies in the English language and in several areas of literature, even though they may have a variety of choices within given categories. Traditionally the English major may qualify to enter graduate school in English or to teach on the secondary level. Increasingly, however, our students pursue careers in foreign service, law, technical communication, advertising, public relations, business management, sales, and higher education/administration.

A number of courses, particularly those on the sophomore level, are specifically designed as general education courses and are intended primarily to acquaint students who major in other fields with such literature as will broaden understanding of the human experience and the potential of their role in an increasingly more interconnected 21st-century world.

[2] Honors in English

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

As early as the sophomore year, and no later than the first semester of the junior year, an English major may be invited to participate in the Honors in English program. To graduate with honors the following conditions must be met: (1) consent of the chair of the Department of English; (2) maintenance of a minimum overall 3.25 grade point average and a 3.50 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; and (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

[3.1] Bachelor of Arts

The degree of Bachelor of Arts, with a major in English, requires successful completion of at least 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the UCA Core requirements) and complete upper-division UCA Core requirements using designation major, minor, or elective courses; (2) degree requirements; (3) major requirements; and (4) a minor.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1.1] Major in English (37 hours)

Thirty-seven hours of English of which at least 21 must be upper-division. Required courses are as follows:

ENGL 2312 American Literature I **[ACTS: ENGL2653]**
ENGL 2313 American Literature II **[ACTS: ENGL2663]**
ENGL 2316 English Literature I **[ACTS: ENGL2673]**
ENGL 2317 English Literature II **[ACTS: ENGL2683]**
ENGL 2318 English Literature III
ENGL 3105 Research Methods Workshop
ENGL 4335 Senior Seminar **[UD UCA Core: Z]**

In addition, students must take a genre or a period course, an author course, a language course, and 9 hours of upper-division English electives, from the following lists of courses:

Courses Fulfilling the Period Requirement

ENGL 4301 The Renaissance
ENGL 4305 Medieval English Literature
ENGL 4311 The Neo-Classical Period
ENGL 4312 American Provincial Literature**[UD UCA Core: D]**

ENGL 4313 American Romanticism & Realism **[UD UCA Core: D]**
ENGL 4320 The Romantic Period
ENGL 4321 The Victorian Period
ENGL 4342 The Seventeenth Century
ENGL 4354 Modernism **[UD UCA Core: D]**
ENGL 4355 Postmodernism **[UD UCA Core: D]**

Courses Fulfilling the Author Requirement

ENGL 4330 Shakespeare I
ENGL 4331 Shakespeare II
ENGL 4340 Chaucer
ENGL 4341 Milton

Courses Fulfilling the Genre Requirement

ENGL 4314 American Fiction since 1900 **[UD UCA Core: I, D]**
ENGL 4315 Twentieth-Century American Poetry **[UD UCA Core: I, D]**
ENGL 4335 Senior Seminar (depending on topic) **[UD UCA Core: Z]**
ENGL 4343 Tudor-Stuart Drama **[UD UCA Core: I]**
ENGL 4345 Twentieth-Century English Drama **[UD UCA Core: I]**
ENGL 4346 Restoration and Eighteenth-Century Drama **[UD UCA Core: I]**
ENGL 4347 Twentieth-Century American Drama **[UD UCA Core: I, D]**
ENGL 4371 American Novel to 1900 **[UD UCA Core: I]**
ENGL 4372 English Novel: Eighteenth Century**[UD UCA Core: I]**
ENGL 4373 English Novel: Nineteenth Century **[UD UCA Core: I]**
ENGL 4374 English Novel: Twentieth Century **[UD UCA Core: I]**
ENGL 4375 English Poetry: Twentieth Century **[UD UCA Core: I]**

Courses Fulfilling the Language Requirement
ENGL 3312 Modern Grammars **[UD UCA Core: C]**
ENGL 3335 Language and Grammar Studies (Satisfies language requirement only for those seeking teaching licensure)**[UD UCA Core: C]**
ENGL 4360 History and Structure of the English Language **[UD UCA Core: C]**

Electives may be chosen from this list or from any of the above courses
ENGL 3315 Gender and Language **[UD UCA Core: C, D]**
ENGL 3325 Advanced Readings in World Literature **[UD UCA Core: D]**
ENGL 3345 Literature and the Examined Life **[UD UCA Core: R]**
ENGL 3375 Internship in English
ENGL 4300 Readings for Honors Degree
ENGL 4304 Advanced Readings in English and American Literature
ENGL 4325 Special Topics in Postcolonial Literature **[UD UCA Core: C, R]**
ENGL 4361 Literature for Adolescents **[UD UCA Core: D]**
ENGL 4362 Southern Literature and Folklore **[UD UCA Core: D]**
ENGL 4364 Special Topics in Children's and Young Adult Literature
ENGL 4366 Literary Theory and Criticism
ENGL 4370 Women's Literature **[UD UCA Core: D]**
ENGL 4380 African and African American Literature**[UD UCA Core: D]**

ENGL 4381 Major African/African American Writers **[UD UCA Core: D]**
ENGL 4382 Race in American Literature **[UD UCA Core: D]**
ENGL 4385/4685 Travel Seminar in Literature**[UD UCA Core: D]**

With the approval of their advisor and the department chair, candidates may present one of the following as an upper-division elective:

CRWR 3320 Forms of Scriptwriting
CRWR 3325 Forms of Poetry
CRWR 3330 Forms of Creative Nonfiction
CRWR 3335 Forms of Fiction

Note: These courses formerly used the WRTG subject prefix.

Designated English major courses are used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication. Students will take English 4335, Senior Seminar, as the required UCA Core capstone.

[3.1.2] Minor in English (25 hours)

Twenty-five credit hours of English (ENGL). Required: ENGL 2312, 2313, 2316, 2317, 2318, 3105; one upper-division language course; two upper-division English electives (6 hours – see list above). Designated English minor courses are used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication.

Note: With the approval of their advisor and the department chair, BA candidates or English minors may present one of the following courses as an upper-division elective: CRWR 3320 (Forms of Scriptwriting), CRWR 3325 (Forms of Poetry), CRWR 3330 (Forms of Creative Nonfiction), CRWR 3335 (Forms of Fiction). No more than one language course may be presented for degree credit in addition to the one used to fulfill the Language Course requirement.

[3.2] Bachelor of Arts with Licensure

Thirty-seven hours of English of which at least 21 must be upper division. Required: ENGL 2312, 2313, 2316, 2317, 2318, 3105, 4335, 4360, 4361, a genre or period course, an author course, and a second upper-division language course (ENGL 3312 or 3335). (See list of appropriate courses above).

Licensure candidates must also take ENGL 1355 (Film and Literature) and ENGL 2305 or ENGL 2306 (World Literature I or II) as part of their fulfillment of UCA Core requirements. Like all BA students, they are required to complete the Foreign Language requirement (FREN 2310, SPAN 2300/2310, GERM 2310, CHIN 2310 or JAPN 2310).

Persons wishing to pursue a teaching license in this content area must submit an application to the College of Education Office of Candidate Services and meet established criteria for admission to the teacher education program.

The degree requires successful completion of (1) the UCA Core, (2) the 18-hour minor in Teaching and Learning or approved substitutions by program coordinator, (3) major field of study content and methods courses, (4) Internship I and II, and (5) licensure requirements established by the Arkansas Department of Education.

[4] Master's Degree

See *Graduate Bulletin*.

[5] Courses in English (ENGL)

Follow this link for ENGL course descriptions: course link.

History

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/department-of-history/

Chair and Associate Professor: W. Lucas (PhD), 450-3158
Professor: K. Barnes (PhD), D. Welky (PhD)
Associate Professor: D. Jones (PhD), D. O'Hara (PhD), S. Matkin-Rawn (PhD), R. Pauly (PhD), M. Rosenow (PhD)
Assistant Professor: C. Craun (PhD), K. Epps (PhD), M. Kithinji (PhD), V. Scribner (PhD), S. Toudji (PhD)
Senior Lecturer: P. Ramsey (EdD)
Lecturer II: B. Foster (PhD)
Lecturer I: K. Little (PhD), T. Rushing (MA)

[1] Purposes

History is at the center of a liberal arts education. It provides us not only with a memory of the past – a sense of how people, groups, states, and nations arrived at where they are now – but also perspectives on other cultures and civilizations, past and present, and an appreciation for the varieties and ambiguities of the human experience. By educating students about their own past and the past of others, using evidence from different times and places, the Department of History seeks to prepare students for responsible citizenship at home and in the world community.

The department stresses the development of critical reading and thinking skills, reasoning, oral and written communication, and the analysis and interpretation of conflicting evidence. Above all, the history program emphasizes the cultivation of sensitivity to human differences and values. Historical study prepares students for careers in teaching, law, journalism, public history, local, state, and national service, business, and graduate study in history or in other disciplines.

[2] Honors in History

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

In the junior or senior year, students who are history or social studies majors may be invited to participate in the Honors in History program. Requirements for graduation with honors are as follows: (1) a minimum cumulative grade point average of 3.25 and a 3.50 grade point average in the major; (2) successful completion of HIST 4313 Department Honors Thesis Research and HIST 4314 Department Honors Thesis Writing; (3) submission and approval of an Honors Thesis.

[3] Baccalaureate Degrees

The Department of History offers three baccalaureate degree programs: the Bachelor of Science in Education (BSE) in Social Studies, History Emphasis; the Bachelor of Arts (BA) history major; the Bachelor of Science (BS) history major, and the Bachelor of Arts (BA) major in African and

African-American Studies. The BSE program prepares students for careers in secondary education, and successful completion brings teacher licensure from the Arkansas Department of education to teach social studies. The BA and BS history majors prepare students for careers in history, public service, and other fields and graduate study. Given that history as a discipline straddles the humanities and social sciences, students whose study inclines toward the social sciences, such as environmental history, history of science, etc., are better served by the BS degree. Students whose interest goes towards the humanities would find a better fit with the BA degree which includes the study of languages. Students who plan to pursue graduate study in history find the BA advantageous, as many MA programs and most Ph.D. programs in history require competency in at least one foreign language.

[3.1] Bachelor of Arts/Bachelor of Science

The degree of Bachelor of Arts or Bachelor of Science, with a major in history, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) history courses as indicated below; and (4) a minor as worked out with the student's minor advisor.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
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D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1.1] Major in History (39 hours)

History Core courses are used to satisfy lower-division UCA Core requirements in Critical Inquiry and Diversity, and students can choose history courses to fulfill the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Communication. Students will take HIST 4300 Seminar as the required UCA Core capstone.

[3.1.1.1] Foundational Survey Courses (12 credit hours)

HIST 1310 From Mummies to Mongols: World History from Ancient Times to the Early Modern Period (formerly World History I) **[ACTS: HIST1113]**
HIST 1320 From Galileo to Gandhi: World History from the Early Modern Period to the Present (formerly World History II) **[ACTS: HIST1123]**
HIST 2301 The Making of America: US History to 1877 (formerly American Nation I) **[ACTS: HIST2113]**
HIST 2302 America in the Modern Era: US History Since 1877 (formerly American Nation II. **[ACTS: HIST2123]** Upper-division US history hours may be substituted with departmental approval.)

[3.1.1.2] Research Methods and Writing (6 credit hours)

HIST 2320* Introduction to Historical Research
HIST 4300** Seminar **[UD UCA Core: Z]**

* HIST 2320 Introduction to Historical Research is a prerequisite/corequisite for any history major to enroll in any 4000-level course that counts toward a major.

** A grade of C or above is required in this course to graduate in the major.

[3.1.1.3] History Electives (21 credit hours)

Electives chosen must include at least 6 hours from United States history **[UD UCA Core: I]** and 6 hours from world history courses. HIST 3310 and 4310 may not count toward the 21 hours of history electives. At least 3 hours from World History must be a course in African, Asian, Latin American, or Middle Eastern history **[UD UCA Core: D]**. At least 15 elective credit hours must be upper-division. These electives may satisfy the UCA Core requirement in Communication and Responsible Living (see designations in the electives lists below).

United States History

HIST 2301 The Making of America: US History to 1877 (formerly American Nation I) **[ACTS: HIST2113]**
HIST 2302 America in the Modern Era: US History Since 1877 (formerly American Nation II) **[ACTS: HIST2123]**
HIST 3340 Introduction to American Indian History: 1500-Present **[UD UCA Core: I]**
HIST 3353 African-American History Before 1868 **[UD UCA Core: I]**
HIST 3354 African-American History, 1868 TO PRESENT **[UD UCA Core: I]**
HIST 3381 American Military History **[UD UCA Core: I]**
HIST 4301 American Environmental History **[UD UCA Core: C, R]**
HIST 4302 History of Witchcraft **[UD UCA Core: I, C]**
HIST 4304 Material Culture: Finding History in Everyday Things
HIST 4305 The United States and the Middle East, 1776 TO THE PRESENT **[UD UCA Core: I]**
HIST 4308 Gender in American History **[UD UCA Core: I, C]**
HIST 4311 American Colonial and Revolutionary History **[UD UCA Core: I, C]**
HIST 4322 Early National History, 1783-1848 **[UD UCA Core: I]**
HIST 4324 Topics in American History **[UD UCA Core: I]**
HIST 4327 The American West **[UD UCA Core: I]**
HIST 4330 The Civil War and Reconstruction, 1848-1877 **[UD UCA Core: I]**
HIST 4333 United States Immigration and Ethnic History from Colonial Times to Present **[UD UCA Core: I, C]**
HIST 4335 Diplomatic History of the United States **[UD UCA Core: I, C]**
HIST 4336 Work, Wealth, and Power in United States History **[UD UCA Core: I]**
HIST 4338 American History Through Film **[UD UCA Core: I]**
HIST 4340 The Emergence of Modern America, 1877-1920 **[UD UCA Core: I]**
HIST 4345 The South to 1865 **[UD UCA Core: I, C]**
HIST 4346 The South Since 1865 **[UD UCA Core: I]**
HIST 4350 America in Depression and War, 1920-1960 **[UD UCA Core: I]**
HIST 4355 The Role of Arkansas in the Nation **[UD UCA Core: I]**

HIST 4358 Recent American History **[UD UCA Core: I]**
HIST 4359 Civil Rights Movement History **[UD UCA Core: I, C]**

World History

HIST 1310 From Mummies to Mongols: World History from Ancient Times to the Early Modern Period (formerly World History I) **[ACTS: HIST1113]**
HIST 1320 From Galileo to Gandhi: World History from the Early Modern Period to the Present (formerly World History II) **[ACTS: HIST1123]**
HIST 1375 First Year Seminar in Diversity in World Cultures
HIST 1376 First Year Seminar in Historical Perspectives on Responsible Living
HIST 1399 A History of Today: The World Since 1945
HIST 2310 Introduction to Asian History
HIST 2360 From Stonehenge to Popish Plots: A History of England to 1688
HIST 3303 Asian Civilization I **[UD UCA Core: D]**
HIST 3304 Asian Civilization II **[UD UCA Core: D]**
HIST 3312 Comparative History of Developing Countries
HIST 3320 History of Christianity I **[UD UCA Core: R]**
HIST 3321 History of Christianity II **[UD UCA Core: R]**
HIST 3351 Ancient Civilization
HIST 3360 Pre-Colonial African History **[UD UCA Core: D]**
HIST 3365 Modern African History **[UD UCA Core: D]**
HIST 3385 World Military History: A Survey of Global Conflict Patterns **[UD UCA Core: D]**
HIST 4306 Atlantic Slave Trade **[UD UCA Core: D]**
HIST 4328 Modern Latin America **[UD UCA Core: D]**
HIST 4334 Topics in European History
HIST 4343 History of Mexico **[UD UCA Core: D]**
HIST 4344 Topics in World History **[UD UCA Core: D]**
HIST 4347 Ideas and Society in Modern Europe
HIST 4360 The Mediterranean World in Late Antiquity, 300-900 AD
HIST 4361 The Mediterranean World in the Medieval Period, 900-1400 AD
HIST 4362 Tudor And Stuart England, 1485-1690
HIST 4365 The History of Imperialism: A Review of World Colonial Systems **[UD UCA Core: D]**
HIST 4369 Victorian Britain
HIST 4370 Europe, 1815-1914
HIST 4372 Pan-Africanism, Anticolonialism & African Unity
HIST 4374 The European Renaissance and Reformation
HIST 4376 Europe, 1914-1939
HIST 4377 Europe in a Global Era
HIST 4381 Modern China **[UD UCA Core: D]**
HIST 4383 Modern Japan **[UD UCA Core: D]**
HIST 4385 French Revolution and Napoleon
HIST 4386 The War in the Pacific, 1931-1945 **[UD UCA Core: D]**
HIST 4390 Roman Civilization
HIST 4394 Germany Since 1918
HIST 4397 History of Ireland, 1500-PRESENT
HIST 4398 The Politics of Sex and Sexuality in Modern East Asia **[UD UCA Core: C, D]**

[3.1.2] Minor in History (24 hours)

HIST 1310 From Mummies to Mongols: World History from Ancient Times to the Early Modern Period (formerly World History I) **[ACTS: HIST1113]**
HIST 1320 From Galileo to Gandhi: World History from the Early Modern Period to the Present (formerly World History II) **[ACTS: HIST1123]**
HIST 2301 The Making of America: US History to 1877 (formerly American Nation I) **[ACTS: HIST2113]**
HIST 2302 America in the Modern Era: US History Since 1877 (formerly American Nation II) **[ACTS: HIST2123]** (Upper-division US history hours may be substituted with departmental approval.)
And 12 hours of history electives, excluding HIST 3310 and 4310. At least 6 hours must be upper-division.

[3.2] Bachelor of Science in Education in Social Studies, History Emphasis

Persons wishing to pursue a BSE in social studies (history emphasis) must apply to the Office of Candidate Services and meet established criteria for admission to the teacher education program. The degree requires completion of (1) the UCA Core, (2) the 18-hour minor in Teaching and Learning, (3) 54 hours of History/Social Studies, and (4) 18 hours in Teacher Internship and Social Studies Methods. Licensure requirements are established by the Arkansas Department of Education and must be met before a teaching license is issued.

Upper-division UCA Core requirements will be met through the following required program components:

US History Electives **[UD UCA Core: I]**
MSIT 3310 **[UD UCA Core: D and R]**
MSIT 4320 **[UD UCA Core: I]**
HIST 4300 **[UD UCA Core: Z]**

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 of the Department of Teaching and Learning (450-5466), or the Office of Candidate Services (450-3131).

[4] African and African-American Studies

See major/minor requirements in the interdisciplinary African and African American program page program link.

[5] Master's Degree

See *Graduate Bulletin*.

[6] Courses in History (HIST)

Follow this link for HIST course descriptions: course link.

Languages, Linguistics, Literatures, and Cultures

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/department-of-languages-linguistics-literatures-cultures/

Interim Chair and Associate Professor: L. Burley (PhD), 450-5648
Director of IEP and Lecturer II: C. Flowers (M.Ed) 852-2953
Professor: P. Bailey (PhD)
Associate Professor: H. Lange (PhD), John Parrack (PhD), A. Reid (PhD), T. Sorenson (PhD), J. Zambrano (PhD), G. Zhuang (PhD)
Assistant Professor: R. Escamilla (PhD), S. Johnston (PhD), K. Knox (PhD), A. Gonzalez Landeros (PhD), K. Okoli (PhD), Jennifer Parrack (PhD), J. Zhu (PhD)
Senior Lecturer: L. Schaefer (M.Ed), S. Streiff-Vena (MA)
Lecturer II: L. Carmack (MA), M. Kemper (M.Ed), L. Mommsen (MA)
Lecturer I: A. Bruce (MA), C. Barr (MA),
Senior Laboratory Instructor: S. Wilkes (MS)
IEP Advisor: L. Shoemake (BA)

[1] Purposes

- To develop proficient students with a functional control of the four fundamental language skills: speaking, listening, reading, and writing.
- To increase students' awareness, critical understanding, empathy, and respect for other cultures.
- To enable students to function effectively in a changing global community.
- To stress the relevance of the study of language, linguistics, culture, and literature to career preparation.
- To develop a lasting appreciation for language, culture, and literature as a means of broadening our understanding of human experience.

[2] Programs

Major programs are offered in Linguistics and in Modern Languages (Mandarin Chinese, French, and Spanish); minor programs are offered in Mandarin Chinese, French, German, Linguistics, Spanish, and Teaching English to Speakers of Other Languages (TESOL). The BA degree requirement for foreign language may be fulfilled in Mandarin Chinese, French, German, Japanese, or Spanish. The curriculum permits maximum authentic practice of everyday language and cultural situations as well as in-depth study of general and specific topics in culture and literature. Students are highly encouraged to study abroad as they complete their language program.

Modern Languages majors (Mandarin Chinese, French, and Spanish) are counseled to combine a second major or a minor in a related area of interest that will enhance their preparation for a professional career. Upon graduation, majors may qualify to teach on the secondary level, to attend graduate school, or to secure employment in any one of a variety of fields requiring proficiency in a second language.

Jump to a program on this page:
Degrees: BA in Linguistics | BA in Modern Languages
Linguistics Tracks: Language | TESOL | Computer Science | General Linguistics

Modern Languages Concentrations: Chinese | French | Spanish
Minor Programs: Linguistics | Chinese | French | German | Spanish | TESOL

The department also includes the Intensive English Program (IEP). See detailed IEP information here: program link.

[3] Advanced Placement

The Department of Languages, Linguistics, Literatures, and Cultures participates in the advanced placement program. Courses and the minimum requirements to be met in order to earn credit can be found elsewhere in the bulletin (see the Advanced Placement Program section of this bulletin). In general, students who have an AP score and who are interested in continuing study in the same language at UCA will be able to receive more credit if they also follow the procedures described below for the Department's Credit by Examination program.

[4] Credit by Examination

Students who have not previously received undergraduate credit in that language at a college or university may receive credit by examination. Such credit is limited to a maximum of 6 hours in a language or 12 hours within the department and is granted for the six credit hours of course work that immediately precedes the course of placement when the following criteria are met:

1. Achievement of a satisfactory score on proficiency examinations administered by the Department of Languages, Linguistics, Literatures, and Cultures.
2. Satisfactory completion, with a minimum grade of B, of the language course at the level of placement recommended by the Department of Languages, Linguistics, Literatures, and Cultures.
3. The student formally requests credit from the Department after completing the first course.

[5] Academic Progression for All Majors and Minors and in the Language Requirement for the BA

Students in any course applied to the major or minor must pass the course with a grade of "C" or better. The student must earn a grade of "C" or better in any course that serves as a prerequisite for a major or minor course before enrolling in the major or minor courses requiring that prerequisite.

[6] Foreign Language Requirement for the Bachelor of Arts Degree

The Bachelor of Arts degree requires completion of three (3) semester hours of a foreign language at 2000-level or above. Guided-study (i.e., correspondence) courses will not be accepted as transfer credit in fulfillment of the foreign language requirement. **Note**: Students with prior experience in a language must take the departmental placement test before enrolling in their first course. The French, German, and Spanish placement exams are available at http://uca.edu/wlan/placement. There is no fee to take a placement exam. As an alternative, students sufficiently proficient in a foreign language can request a BA Foreign Language Exemption by completing a form available at http://uca.edu/registrar/forms/.

[7] Honors in Modern Languages and in Linguistics

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

During the senior year, a student majoring in **Modern Languages** may be invited to participate in the Honors in the Majors program. Minimal requirements for graduation with honors are as follows: (1) achievement of a 3.25 GPA overall and a 3.50 in the major; (2) demonstration of advanced level proficiencies in all four skills (speaking, listening, reading, and writing) on a senior exit examination; (3) successful completion of course FREN 4310, SPAN 4310, or CHIN 4300 demonstrated by submission and approval of a research paper on a literary, cultural, or linguistic topic; (4) presentation of an oral defense of the research paper before a committee made up of three members of the faculty of the department.

During the senior year, a student majoring in **Linguistics** may be invited to participate in the Honors in the Majors program. Minimal requirements for graduation with honors are as follows: (1) achievement of a 3.25 GPA overall and a 3.50 in the major; (2) successful completion of LING 4V90 demonstrated by submission and approval of a research paper on a linguistic topic; (3) presentation of an oral defense of the research paper before a committee made up of three members of the faculty of the department.

[8] Bachelor of Arts in Linguistics (36 hours)

The degree of Bachelor of Arts in Linguistics requires successful completion of 120 hours, including (1) the UCA Core: completion of 38 hours to meet lower-division UCA Core requirements (see the lower-division UCA Core requirements) and completion of upper-division UCA Core requirements using designated courses (see the UCA Core requirements) in this UBulletin; (2) completion of a sophomore-level foreign language course; (3) completion of a a major as described below; (4) 40 upper-division hours; and (5) completion of a minor. All students must earn a minimum grade of "C" in each course applying to the major program.

Linguistics Core courses are used to satisfy the upper-division UCA Core requirement in Effective Communication, Diversity, Critical Inquiry, and Responsible Living. The program has also designated courses (required for certain tracks, available as electives in others) which satisfy the lower-division UCA Core requirements. LING 2350, World Languages, satisfies the lower-division UCA Core requirement in Critical Inquiry (Humanities). LING 1310, Language Culture and Society, is a social science elective in the Diversity in World Cultures area.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
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I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[8.1] Linguistics Core (22 hours)

Required courses (19 hours)

LING 2320 Introduction to Language and Linguistics
LING/WLAN 2350 World Languages **[UD UCA Core: I]**
LING 3315 Semantics
LING 3325 Sociolinguistics **[UD UCA Core: D]**

LING 4110 Capstone In Linguistics **[UD UCA Core: Z]**
LING 4345 Analytical Methods of Morphology and Syntax
LING 4350 Phonology

One course from the following (3 hours)

ENGL 4360 History and Structure of the English Language **[UD UCA Core: C]**
LING 4355 Special Topics in Linguistics
LING 4370 Field Methods in Linguistics **[UD UCA Core: R, I]**

Students then choose from one of the following four tracks for the additional 18 hours

[8.2] Track One: Language

15 hours in one language (Spanish, French, German, Chinese) beyond the language requirement for the Bachelor of Arts degree

[8.3] Track Two: Teaching English to Speakers of Other Languages (TESOL)

Required courses (15 hours):

LING 3310 Issues in English as a Second Language
LING 4320 Grammatical Structures of English
LING 4330 Educational Linguistics **[UD UCA Core: C]**
WLAN 4315 Methods of Teaching Second Languages
WLAN 4325 Second Language Acquisition

No additional hours are required for this track. The following elective list is under review. Consult your academic advisor if you have questions about requirements for the TESOL track.

Any one of the following (3 hours):

WRTG 4320 Intercultural Rhetoric and Writing **[UD UCA Core: D]**
CSD 2322 Applied Phonetics
WLAN 4330 Second Language Assessment
ENGL 4360 History and Structure of the English Language

[8.4] Track Three: Computer Science

A total of fifteen credit hours is required to complete this track. Most students will actually complete 17–18 credit hours and adjust the general electives taken for the degree accordingly. Note that each of the required and elective courses in this track requires a prerequisite. Check the Computer Science course list in this UBulletin for details.

Required courses (14 hours):

CSCI 1470 Computer Science I
CSCI 1480 Computer Science II
CSCI 2320 Data Structures
CSCI 3345 Human Computer Interaction **or** CSCI 3370 Principles of Programming Languages

Electives (1 credit hour required):

CSCI 2440 Assembly Language and Computer Organization
CSCI 3190 Social Implications of Technology
CSCI 3275 Internship in Computer Science
CSCI 3330 Algorithms
CSCI 3360 Database Systems
CSCI 3381 Object-Oriented Software Development with Java
CSCI 3385 Artificial Intelligence
CSCI 4300 Operating Systems
CSCI 4340 Introduction to Parallel Programming
CSCI 4353 Introduction to Multimedia Computing
CSCI 4360 Special Topics in Computer Science
CSCI 4370 Data Mining

[8.5] Track Four: General Linguistics

Choose 15 hours from among the following courses:

LING 4320 Grammatical Structures of English
LING 4330 Educational Linguistics **[UD UCA Core: C]**
LING 4355 Special Topics in Linguistics* (may be repeated up to three times with different topics)
LING 4360 Historical Linguistics and Language Change
LING 4370 Field Methods in Linguistics **[UD UCA Core: R, I]**
LING 4V80 Directed Study in Linguistics
ENGL 4360 History and Structure of the English Language **[UD UCA Core: C]**
PHIL 2310 Introduction to Logic
PHIL 4330 Philosophy of Language
PSYC 3325 Cognitive Psychology
CSD (formerly SPTH) 2322 Applied Phonetics
WRTG 3390 Discourse Analysis

[9] Bachelor of Arts in Modern Languages

The degree of Bachelor of Arts in Modern Languages, with a major concentration in Chinese, French, or Spanish, requires successful completion of 120 hours (of which 40 must be upper division), including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using designated courses (see the UCA Core requirements); (2) all degree requirements; (3) a major concentration in Chinese, French, or Spanish as outlined below; and (4) a minor as planned with the student's minor advisor.

LALS 2310, WLAN 2350 and Chinese, French, German, and Spanish 2320 courses satisfy the lower-division UCA Core requirement in Critical Inquiry (Humanities). WLAN 2315 (Humanities) fulfills the Diversity in Creative Works Core requirement, while LALS 2300 and WLAN 2325 satisfy the Diversity in World Cultures requirement as humanities electives. Students may fulfill the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, and Effective Communication in minor and major courses in Chinese, French, German, and Spanish. Modern Language students will take CHIN, FREN, or SPAN 4110, Senior Capstone Project, as the required UCA Core capstone.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[9.1] Major in Modern Languages, Concentration in Mandarin Chinese (37 hours)

[9.1.1] Teacher Education Track

The BA curriculum may be combined with preparation for K–12 Foreign Language Education licensure. For further information, contact the Chair of the Department of Languages, Linguistics, Literatures, and Cultures (450-3168), the Chair of the Teaching and Learning (852-2963), or the Office of Candidate Services (450-3131). ESL Endorsement Courses: All teacher candidates with a major in Modern Languages who complete the teacher licensure program at UCA will graduate with ESL endorsement. In addition to WLAN 4315, 4325, and 4330, students must take EDUC 3322 in the College of Education.

This major qualifies for the Teaching and Learning minor.

Linguistics Foundation Course (3 hours). Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate Chinese (6 hours):

CHIN 2310 Intermediate Chinese I
CHIN 2320 Intermediate Chinese II

Required Advanced Language Core (9 hours):

CHIN 3300 Advanced Chinese Grammar I **[UD UCA Core: I, C]**
CHIN 3303 Advanced Chinese Grammar II **[UD UCA Core: I, C]**
CHIN 4350 Introduction to Chinese Linguistics

Three hours of culture and civilization (3 hours):

CHIN 3312 Culture And Society: Advanced Readings on Modern China **[UD UCA Core: D, I]**

Three hours of literature (3 hours):

CHIN 3320 Advanced Readings in Chinese Literature I **[UD UCA Core: D, I]**

Twelve hours of elective credits chosen from among the following:

CHIN 2330 Introduction to Business Chinese
CHIN 3360 Practicum in Chinese: Teaching Chinese to Children
CHIN 3330 Advanced Business Chinese
CHIN 3340 Advanced Intensive Chinese Conversation Abroad

CHIN 3398 Travel Seminar in China
CHIN 4V00 Independent Study in Chinese

Required UCA Core Capstone:

CHIN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Other requirements:

All students must (1) meet proficiency requirements at the end of CHIN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program. Teacher candidates must graduate with a 2.75 GPA overall in major courses.

Students are strongly encouraged to study abroad at one of our exchange partner schools in China.

Teaching and Learning Minor:

EDUC 1300 Education as a Profession
EDUC 3322 Diverse Learners in Inclusive Settings (1 of 4 ESL endorsement classes)
MSIT 3310 Learning and Development
MSIT 4305 Classroom Management
EDUC 4210 Integration of Technology in Teaching and Learning
WLAN 4330 Second Language Assessment, substitutes for MSIT 4321 (1 of 4 ESL endorsement classes)
MSIT 4325 Strategies for Content Literacy Development and Curriculum

Other required courses for Chinese Teacher Education:

4315 Methods of Teaching Second Languages (1 of 4 ESL endorsement classes)
4325 Second Language Acquisition (1 of 4 ESL endorsement classes)
4350 Internship I
4690 Internship II
4691 Internship II

Students wishing to pursue a teaching license in this content area must apply to the Office of Candidate Services and meet established criteria for admission to the teacher education program (for admission requirements, click here). The degree requires completion of (1) the UCA Core, (2) the 18-hour minor in Teaching and Learning (click here) or approved substitutions by program coordinator, (3) Major field of study content hours and methods courses, (4) successful completion of Internship I and II, and (5) meet licensure requirements established by the Arkansas Department of Education.

[9.1.2.] Traditional Language and Literature Track

Linguistics Foundation Course (3 hours). Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate Chinese (6 hours):

CHIN 2310 Intermediate Chinese I
CHIN 2320 Intermediate Chinese II

Required Advanced Language Core (9 hours):

CHIN 3300 Advanced Chinese Grammar I **[UD UCA Core: I, C]**
CHIN 3303 Advanced Chinese Grammar II **[UD UCA Core: I, C]**
CHIN 4350 Introduction to Chinese Linguistics

Three hours of culture and civilization (3 hours):

CHIN 3312 Culture And Society: Advanced Readings on Modern China **[UD UCA Core: D, I]**

Three hours of literature (3 hours):

CHIN 3320 Advanced Readings in Chinese Literature I **[UD UCA Core: D, I]**

Twelve hours of elective credits chosen from among the following:

CHIN 2330 Introduction to Business Chinese
CHIN 3360 Practicum in Chinese: Teaching Chinese to Children
CHIN 3330 Advanced Business Chinese
CHIN 3340 Advanced Intensive Chinese Conversation Abroad
CHIN 3398 Travel Seminar in China
CHIN 4V00 Independent Study in Chinese

Required UCA Core Capstone:

CHIN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Other requirements:

All students must (1) meet proficiency requirements at the end of CHIN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

[9.1.3.] Business Chinese Track

Linguistics Foundation Course (3 hours) Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate Chinese (6 hours):

CHIN 2310 Intermediate Chinese I
CHIN 2320 Intermediate Chinese II

Required Advanced Language Core (9 hours):

CHIN 3300 Advanced Chinese Grammar I **[UD UCA Core: I, C]**
CHIN 3303 Advanced Chinese Grammar II **[UD UCA Core: I, C]**
CHIN 4350 Introduction to Chinese Linguistics

Three hours of culture and civilization (3 hours):

CHIN 3312 Culture And Society: Advanced Readings on Modern China **[UD UCA Core: D, I]**

Three hours of literature (3 hours):

CHIN 3320 Advanced Readings in Chinese Literature I [UD UCA Core: D, I]

Required Chinese Business Core (6 hours):

CHIN 2330 Introduction to Business Chinese
CHIN 3330 Advanced Business Chinese

Six hours of elective credits chosen from among the following (6 hours):

CHIN 3360 Practicum in Chinese: Teaching Chinese to Children
CHIN 3340 Advanced Intensive Chinese Conversation Abroad
CHIN 3398 Travel Seminar in China
CHIN 4V00 Independent Study in Chinese (1-3 credit hours)

Required UCA Core Capstone (1 hour):

CHIN 4110 Senior Capstone Project [UD UCA Core: Z]

Required minor in General Business (24 hours)

Required Business Courses (12 hours):

ACCT 2310 Principles of Accounting I
ACCT 2311 Principles of Accounting II
ECON 2320 Principles of Macroeconomics
ECON 2321 Principles of Microeconomics

Business Electives (12 hours)

Choose 12 hours of additional courses in business (must include at least 6 hours of upper-division courses). **NB**: Students planning to pursue graduate study in business (i.e., MBA) should select MBA prerequisite courses as their elective hours for the General Business minor.

Other requirements:

All students must (1) meet proficiency requirements at the end of CHIN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program. Students are strongly encouraged to study abroad at one of our exchange partner schools in China.

[9.2] Major in Modern Languages Concentration in French (37 hours)

[9.2.1] Teacher Education Track

The BA curriculum may be combined with preparation for K–12 Foreign Language Education licensure. For further information, contact the Chair of the Department of Languages, Linguistics, Literatures, and Cultures (450-3168), the Chair of the Teaching and Learning (852-2963), or the Office of Candidate Services (450-3131). ESL Endorsement Courses: All teacher candidates with a major in Modern Languages who complete the teacher licensure program at UCA will graduate with ESL endorsement. In addition to WLAN 4315, 4325, and 4330, students must take EDUC 3322 in the College of Education.

This major qualifies for the Teaching and Learning minor.

Linguistics Foundation Course (3 hours). Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate French (6 hours):

FREN 2310 Intermediate French I
FREN 2320 Intermediate French II

Required Advanced Language Core (9 hours):

FREN 3300 Advanced Grammar and Composition I **[UD UCA Core: I, C]**
FREN 3303 Advanced Grammar and Composition II **[UD UCA Core: I, C]**
FREN 4350 Advanced Conversation and Phonetics

Three hours of culture and civilization. Choose one:

FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3350 French Cinema

Three hours of literature. Choose one:

FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 4395 Advanced French Literature

Note: French 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.

Twelve hours of elective credits chosen from among the following:

FREN 2330 Introduction to Business French
FREN 3V60 Practicum in French (1 or 2 credit hours)
FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 3330 Advanced Business French
FREN 3340 Intensive Oral Practice Abroad in French
FREN 3350 French Cinema
FREN 3370 French Translation **[UD UCA Core: D, I]**
FREN 3398 Intensive French Abroad
FREN 4310 Honors in French
FREN 4395 Advanced French Literature
FREN 4V00 Independent Study in French (1-3 credit hours)

Required UCA Core Capstone:

FREN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Other requirements:

All students must (1) meet proficiency requirements at the end of FREN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

Teacher candidates must graduate with a 2.75 GPA overall in major courses.

Teaching and Learning Minor:

EDUC 1300 Education as a Profession
EDUC 3322 Diverse Learners in Inclusive Settings (1 of 4 ESL endorsement classes)
MSIT 3310 Learning and Development
MSIT 4305 Classroom Management
EDUC 4210 Integration of Technology in Teaching and Learning
WLAN 4330 Second Language Assessment, substitutes for MSIT 4321 (1 of 4 ESL endorsement classes)
MSIT 4325 Strategies for Content Literacy Development and Curriculum

Other required courses for French Teacher Education:

4315 Methods of Teaching Second Languages (1 of 4 ESL endorsement classes)
4325 Second Language Acquisition (1 of 4 ESL endorsement classes)
4350 Internship I
4690 Internship II
4691 Internship II

Students wishing to pursue a teaching license in this content area must apply to the Office of Candidate Services and meet established criteria for admission to the teacher education program (for admission requirements, click here). The degree requires completion of (1) the UCA Core, (2) the 18-hour minor in Teaching and Learning (click here) or approved substitutions by program coordinator, (3) Major field of study content hours and methods courses, (4) successful completion of Internship I and II, and (5) meet licensure requirements established by the Arkansas Department of Education.

[9.2.2.] Traditional Language and Literature Track

Linguistics Foundation Course (3 hours). Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate French (6 hours):

FREN 2310 Intermediate French I
FREN 2320 Intermediate French II

Required Advanced Language Core (9 hours):

FREN 3300 Advanced Grammar and Composition I **[UD UCA Core: I, C]**
FREN 3303 Advanced Grammar and Composition II **[UD UCA Core: I, C]**
FREN 4350 Advanced Conversation and Phonetics

Three hours of culture and civilization. Choose one:

FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3350 French Cinema

Three hours of literature. Choose one:

FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 4395 Advanced French Literature

Note: French 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.

Twelve hours of elective credits chosen from among the following:

FREN 2330 Introduction to Business French
FREN 3V60 Practicum in French (1 or 2 credit hours)
FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 3330 Advanced Business French
FREN 3340 Intensive Oral Practice Abroad in French
FREN 3350 French Cinema
FREN 3370 French Translation **[UD UCA Core: D, I]**
FREN 3398 Intensive French Abroad
FREN 4310 Honors in French
FREN 4395 Advanced French Literature
FREN 4V00 Independent Study in French (1-3 credit hours)

Required UCA Core Capstone:

FREN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Other requirements:

All students must (1) meet proficiency requirements at the end of FREN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

[9.2.3.] Business French Track

Linguistics Foundation Course (3 hours) Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate French (6 hours):

FREN 2310 Intermediate French I
FREN 2320 Intermediate French II

Required Advanced Language Core (9 hours):

FREN 3300 Advanced Grammar and Composition I **[UD UCA Core: I, C]**
FREN 3303 Advanced Grammar and Composition II **[UD UCA Core: I, C]**
FREN 4350 Advanced Conversation and Phonetics

Required French Business Core (6 hours):

FREN 2330 Introduction to Business French
FREN 3330 Advanced Business French

Three hours of culture and civilization. Choose one:

FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3350 French Cinema

Three hours of literature. Choose one:

FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 4395 Advanced French Literature

Note: French 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.

Six hours of elective credits chosen from among:

FREN 3160, 3260 Practicum in French
FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 3340 Intensive Oral Practice Abroad in French
FREN 3350 French Cinema
FREN 3370 French Translation **[UD UCA Core: D, I]**
FREN 3398 Intensive French Abroad
FREN 4310 Honors in French
FREN 4395 Advanced French Literature
FREN 4V00 Independent Study in French (1-3 credit hours)

Required UCA Core Capstone:

FREN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Required minor in General Business (24 hours)

Required Business Courses (12 hours):

ACCT 2310 Principles of Accounting I
ACCT 2311 Principles of Accounting II
ECON 2320 Principles of Macroeconomics
ECON 2321 Principles of Microeconomics

Business Electives (12 hours)

Choose 12 hours of additional courses in business (must include at least 6 hours of upper-division courses).
NB: Students planning to pursue graduate study in business (i.e., MBA) should select MBA prerequisite courses as their elective hours for the General Business minor.

Other requirements:

All students must (1) meet proficiency requirements at the end of FREN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

Students are strongly encouraged to study abroad at one of our exchange partner schools in Belgium or France.

[9.3] Major in Modern Languages with Concentration in Spanish (37 hours)

[9.3.1.] Teacher Education Track

The BA curriculum may be combined with preparation for K–12 Foreign Language Education licensure. For further information, contact the Chair of the Department of Languages, Linguistics, Literatures, and Cultures (450-3168), the Chair of the Teaching and Learning (852-2963), or the Office of Candidate Services (450-3131).

ESL Endorsement Courses: All teacher candidates with a major in Modern Languages who complete the teacher licensure program at UCA will graduate with ESL endorsement. In addition to WLAN 4315, 4325, and 4330, students must take EDUC 3322 in the College of Education.

This major qualifies for the Teaching and Learning minor.

Linguistics Foundation Course (3 hours) Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate Spanish (6 hours):

SPAN 2310 Intermediate Spanish II
SPAN 2320 Intermediate Spanish III

Required Advanced Language Core (9 hours):

SPAN 3300 Advanced Grammar and Composition **[UD UCA Core: I, C]**
SPAN 3303 Advanced Composition and Textual Analysis **[UD UCA Core: I, C]**
SPAN 4350 Introduction to Spanish Linguistics

Three hours of culture and civilization. Choose one:

SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 4396 Hispanic Studies

Three hours of literature. Choose one:

SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 4395 Advanced Hispanic Literature

Note: Spanish 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.

Twelve hours of elective credits chosen from among the following:

SPAN 2325 Introduction to Spanish Phonetics
SPAN 2330 Introduction to Business Spanish
SPAN 2350 Intermediate Conversational Spanish
SPAN 3V60 Practicum in Spanish (1 or 2 credit hours)
SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 3330 Advanced Business Spanish
SPAN 3340 Intensive Oral Practice Abroad in Spanish
SPAN 3360 Drama-Teatro: Staging Spanish One-Act Plays
SPAN 3370 Introduction to Spanish Translation
SPAN 3V98 Travel Seminar Abroad (3 or 6 credit hours)
SPAN 4V00 Independent Study in Spanish (1-3 credit hours)
SPAN 4310 Honors in Spanish
SPAN 4395 Advanced Hispanic Literature
SPAN 4396 Hispanic Studies
SPAN 4397 Topics in Advanced Spanish Linguistics

Required UCA Core Capstone:

SPAN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Other requirements:

All students must (1) meet proficiency requirements at the end of SPAN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

Teacher candidates must graduate with a 2.75 GPA overall in major courses.

Teaching and Learning minor

EDUC 1300 Education as a Profession
EDUC 3322 Diverse Learners in Inclusive Settings (1 of 4 ESL endorsement classes)
MSIT 3310 Learning and Development
MSIT 4305 Classroom Management
EDUC 4210 Integration of Technology in Teaching and Learning
WLAN 4330 Second Language Assessment, substitutes for MSIT 4321 (1 of 4 ESL endorsement classes)
MSIT 4325 Strategies for Content Literacy Development and Curriculum

Other required courses for Spanish Teacher Education:

4315 Methods of Teaching Second Languages (1 of 4 ESL endorsement classes)
4325 Second Language Acquisition (1 of 4 ESL endorsement classes)
4350 Internship I
4690 Internship II
4691 Internship II

Students wishing to pursue a teaching license in this content area must apply to the Office of Candidate Services and meet established criteria for admission to the teacher education program (for admission requirements, click here). The degree requires completion of (1) the UCA Core, (2) the 18-hour minor in Teaching and Learning (click here) or approved substitutions by program coordinator, (3) Major field of study content hours and methods courses, (4) successful completion of Internship I and II, and (5) meet licensure requirements established by the Arkansas Department of Education.

[9.3.2.] Traditional Language and Literature track

Linguistics Foundation Course (3 hours) Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate Spanish (6 hours)

SPAN 2310 Intermediate Spanish II
SPAN 2320 Intermediate Spanish III

Required Advanced Language Core (6 hours)

SPAN 3300 Advanced Grammar and Composition **[UD UCA Core: I, C]**
SPAN 3303 Advanced Composition and Textual Analysis **[UD UCA Core: I, C]**

Three hours of culture and civilization. Choose one:

SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 4396 Hispanic Studies

Three hours of literature. Choose one:

SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 4395 Advanced Hispanic Literature

Note: Spanish 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.

Fifteen hours of elective credits (3 of which must be at the 4000 level) chosen from among the following:

SPAN 2325 Introduction to Spanish Phonetics
SPAN 2330 Introduction to Business Spanish
SPAN 2350 Intermediate Conversational Spanish
SPAN 3V60 Practicum in Spanish (1 or 2 credit hours)
SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 3330 Advanced Business Spanish
SPAN 3340 Intensive Oral Practice Abroad in Spanish
SPAN 3360 Drama-Teatro: Staging Spanish One-Act Plays
SPAN 3370 Introduction to Spanish Translation
SPAN 3V98 Travel Seminar Abroad (3 or 6 credit hours)
SPAN 4V00 Independent Study in Spanish (1-3 credit hours)
SPAN 4310 Honors in Spanish
SPAN 4350 Introduction to Spanish Linguistics
SPAN 4395 Advanced Hispanic Literature
SPAN 4396 Hispanic Studies
SPAN 4397 Topics in Advanced Spanish Linguistics

Required UCA Core Capstone:

SPAN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Other requirements:

All students must (1) meet proficiency requirements at the end of SPAN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

[9.3.3.] Business Spanish Track

Linguistics Foundation Course (3 hours) Choose one:

LING 2320 Introduction to Linguistics
LING 2350 World Languages
WLAN 2350 World Languages

Intermediate Spanish (6 hours):

SPAN 2310 Intermediate Spanish II
SPAN 2320 Intermediate Spanish III

Required Advanced Language Core (6 hours):

SPAN 3300 Advanced Grammar and Composition **[UD UCA Core: I, C]**
SPAN 3303 Advanced Composition and Textual Analysis **[UD UCA Core: I, C]**

Spanish Business Core (6 hours):

SPAN 2330 Introduction to Business Spanish
SPAN 3330 Advanced Business Spanish

Three hours of culture and civilization. Choose one:

SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 4396 Hispanic Studies

Three hours of literature. Choose one:

SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 4395 Advanced Hispanic Literature

Note: Spanish 3315 may not be taken twice in fulfillment of both the culture and literature area requirements.

Nine hours of elective credits (3 of which must be at the 4000 level) chosen from among the following:

SPAN 2325 Introduction to Spanish Phonetics
SPAN 2350 Intermediate Conversational Spanish
SPAN 3V60 Practicum in Spanish (1 or 2 credit hours)
SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 3340 Intensive Oral Practice Abroad in Spanish
SPAN 3360 Drama-Teatro: Staging Spanish One-Act Plays
SPAN 3370 Introduction to Spanish Translation
SPAN 3V98 Travel Seminar Abroad (3 or 6 credit hours)
SPAN 4V00 Independent Study in Spanish (1-3 credit hours)
SPAN 4310 Honors in Spanish
SPAN 4350 Introduction to Spanish Linguistics
SPAN 4395 Advanced Hispanic Literature
SPAN 4396 Hispanic Studies
SPAN 4397 Topics in Advanced Spanish Linguistics

Required UCA Core Capstone:

SPAN 4110 Senior Capstone Project **[UD UCA Core: Z]**

Required minor in General Business (24 hours)

Required Business Courses: (12 hours)

ACCT 2310 Principles of Accounting I
ACCT 2311 Principles of Accounting II
ECON 2320 Principles of Macroeconomics
ECON 2321 Principles of Microeconomics

Business Electives (12 hours)

Choose 12 hours of additional courses in business (must include at least 6 hours of upper-division courses).
NB: Students planning to pursue graduate study in business (i.e., MBA) should select MBA prerequisite courses as their elective hours for the General Business minor.

Other requirements:

All students must (1) meet proficiency requirements at the end of SPAN 2320 and at the end of the degree program and (2) earn a minimum grade of C in each course applying to the major program.

[10] Minor Programs

[10.1] Minor in Linguistics (24 hours + sophomore level foreign language course)

All students must earn a minimum grade of C in each course applying to the minor program.

Required courses (15 hours):

LING 2320 Introduction to Language and Linguistics
LING/WLAN 2350 World Languages **[UD UCA Core: I]**
LING 3315 Semantics
LING 3325 Sociolinguistics **[UD UCA Core: D]**
LING 4345 Analytical Methods of Morphology and Syntax
or
LING 4350 Phonology

Electives (9 hours):

LING 4330 Educational Linguistics **[UD UCA Core: C]**
LING 4345 Analytical Methods of Morphology and Syntax
LING 4350 Phonology
LING 4355 Special Topics in Linguistics
LING 4360 Historical Linguistics and Language Change
LING 4370 Field Methods in Linguistics **[UD UCA Core: R, I]**
ENGL 4360 History and Structure of the English Language **[UD UCA Core: C]**
PSYC 3325 Cognitive Psychology
WLAN 4325 Second Language Acquisition
WLAN 4330 Second Language Assessment
PHIL 2310 Introduction to Logic
PHIL 4330 Philosophy of Language
CSD 2322 Applied Phonetics

[10.2] Minor in Mandarin Chinese (18 hours)

A minor in Mandarin Chinese requires the following:

Required Language Core (12 hours):

CHIN 2310 Intermediate Chinese I
CHIN 2320 Intermediate Chinese II

CHIN 3300 Advanced Chinese Grammar I **[UD UCA Core: I, C]**
CHIN 3303 Advanced Chinese Grammar II **[UD UCA Core: I, C]**

Six hours of culture/civilization and literature:

CHIN 3312 Culture and Society: Advanced Readings on Modern China **[UD UCA Core: D, I]**
CHIN 3320 Advanced Readings in Chinese Literature **[UD UCA Core: D, I]**

Other requirements:

All students must (1) meet proficiency requirements at the end of CHIN 2320 to continue in the program and (2) earn a minimum grade of C in each course applying to the minor.

[10.3] Minor in French (18 hours)

A minor in French requires the following:

Required Language Core (9 hours):

FREN 2310 Intermediate French I
FREN 2320 Intermediate French II
FREN 3300 Advanced Grammar and Composition I **[UD UCA Core: I, C]**

Three hours of culture/civilization or literature. Choose one:

FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 3350 French Cinema
FREN 4395 Advanced French Literature

Six hours of elective credits chosen from among:

FREN 2330 Introduction to Business French
FREN 3V60 Practicum in French (1 or 2 credit hours)
FREN 3303 Advanced Grammar and Composition II **[UD UCA Core: I, C]**
FREN 3312 French Civilization **[UD UCA Core: D, I]**
FREN 3315 Issues of Cultural Identity in the Francophone World **[UD UCA Core: D, R]**
FREN 3320 French Literature I
FREN 3321 French Literature II **[UD UCA Core: D, I]**
FREN 3340 Intensive Oral Practice Abroad in French
FREN 3350 French Cinema
FREN 3370 French Translation **[UD UCA Core: D, I]**
FREN 3398 Intensive French Abroad
FREN 4310 Undergraduate Scholar’s Thesis
FREN 4395 Advanced French Literature
FREN 4V00 Independent Study in French (1-3 credit hours)

Other requirements:

All students must (1) meet proficiency requirements at the end of FREN 2320 to continue in the program and (2) earn a minimum grade of C in each course applying to the minor.

[10.4] Minor in German (18 hours)

A minor in German requires the following:

Required Language Core (9 hours:)

GERM 2310 Intermediate German I
GERM 2320 Intermediate German II
GERM 3300 Advanced Composition and Composition I **[UD UCA Core: D, C]**

Three hours of culture/civilization or literature. Choose one:

GERM 3312 German Civilization **[UD UCA Core: D, C]**
GERM 3320 Introduction to German Literature**[UD UCA Core: D, I]**
GERM 4395 Advanced German Literature **[UD UCA Core: D, I]**

Six hours of elective credits chosen from among the following:

GERM 2330 Business German
GERM 3V60 Practicum (1 or 2 credit hours)
GERM 3303 Advanced Composition and Conversation II **[UD UCA Core: I, C]**
GERM 3312 German Civilization **[UD UCA Core: D, C]**
GERM 3320 Introduction to German Literature **[UD UCA Core: D, I]**
GERM 3340 Intensive Oral Practice Abroad in German
GERM 4350 German Grammar and Phonetics
GERM 4395 Advanced German Literature **[UD UCA Core: D, I]**
GERM 4V00 Independent Study in German (1-3 credit hours)

Other requirements:

All students must (a) meet proficiency requirements at the end of GERM 2320 to continue in the program and (2) earn a minimum grade of C in each course applying to the minor.

[10.5] Minor in Spanish (18 hours)

A minor in Spanish requires the following:

Required Language Core (9 hours)

SPAN 2310 Intermediate Spanish II
SPAN 2320 Intermediate Spanish III
SPAN 3300 Advanced Grammar and Composition **[UD UCA Core: I, C]**

Three hours of culture/civilization or literature. Choose one:

3312 Spanish Civilization **[UD UCA Core: D, I]**
3313 Latin-American Civilization **[UD UCA Core: D, I]**
3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
3320 Spanish Literature **[UD UCA Core: D, I]**
3321 Latin American Literature **[UD UCA Core: D, I]**
4395 Advanced Hispanic Literature
4396 Hispanic Studies

Six hours of elective credits chosen from among:

SPAN 2325 Introduction to Spanish Phonetics
SPAN 2330 Introduction to Business Spanish
SPAN 2350 Intermediate Conversational Spanish
SPAN 3303 Advanced Composition and Textual Analysis **[UD UCA Core: I, C]**
SPAN 3V60 Practicum in Spanish (1-2 credit hours)
SPAN 3312 Spanish Civilization **[UD UCA Core: D, I]**
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3320 Spanish Literature **[UD UCA Core: D, I]**
SPAN 3321 Latin American Literature **[UD UCA Core: D, I]**
SPAN 3340 Intensive Oral Practice Abroad in Spanish
SPAN 3360 Drama-Teatro: Staging Spanish One-Act Plays
SPAN 3370 Introduction to Spanish Translation
SPAN 3V98 Travel Seminar Abroad (3 or 6 credit hours)
SPAN 4V00 Independent Study in Spanish (1-3 credit hours)
SPAN 4310 Undergraduate Scholar's Thesis
SPAN 4350 Introduction to Spanish Linguistics
SPAN 4395 Advanced Hispanic Literature
SPAN 4396 Hispanic Studies
SPAN 4397 Topics in Advanced Spanish Linguistics

Other requirements:

All students must (1) meet proficiency requirements at the end of SPAN 2320 to continue in the program and (2) earn a minimum grade of C in each course applying to the minor.

[10.6] Minor in Teaching English to Speakers of Other Languages (TESOL)

A minor in Teaching English to Speakers of Other Languages (TESOL) requires the following:

All students must earn a minimum grade of "C" in each course applying to the minor program.

Required courses (15 hours)

LING 2320 Introduction to Language and Linguistics
LING 4320 Grammatical Structures of English
WLAN 4325 Second Language Acquisition
LING 3310 Issues in ESL (prerequisite: LING 2320)
WLAN 4315 Methods of Teaching Second Languages

Electives (6 hours selected from the following)

CSD 2322 Applied Phonetics
LING/WLAN 2350 World Languages (LD UCA Core Humanities)
LING 3325 Sociolinguistics (UD UCA Core Diversity)
LING 4330 Educational Linguistics (UD UCA Core Communication)
WLAN 4330 Second Language Assessment
WRTG 3315 Writing Center Practicum

[11] Proficiency Tests

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.

[12] Master's Degree

See *Graduate Bulletin*.

[13] Course Links

Courses offered in English (LALS, LING, WLAN)

Follow this link for LALS course descriptions: course link.
Follow this link to LING course descriptions: course link.
Follow this link for WLAN course descriptions: course link.

Language-specific courses (CHIN, FREN, GERM, JAPN, SPAN)

Follow this link for CHIN course descriptions: course link.
Follow this link for FREN course descriptions: course link.
Follow this link for GERM course descriptions: course link.
Follow this link for JAPN course descriptions: course link.
Follow this link for SPAN course descriptions: course link.

Intensive English Program

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/iep/

[1] Purpose

The Intensive English Program (IEP) offers a series of language courses to non-native speakers of English at five different levels: Levels 1 through 5, each level eight weeks in length. The program strives to enable students to function on a day-to-day basis in an English-speaking environment, prepare them to successfully complete academic work in regular university courses, and introduce them to American culture. A course in TOEFL (Test of English as a Foreign Language) preparation skills are is also offered, and the Institutional TOEFL is administered each semester.

The program provides training to

1. International undergraduate or graduate students applying for admission to a US college or university who must first improve their language skills
2. International undergraduate or graduate students who have been admitted to UCA but require or desire further language preparation
3. International students and community residents who wish to improve their language skills for personal or professional purposes
4. International groups that require specialized language and cultural courses and activities

[2] Application Process

International applicants to the Intensive English Program must submit the following to the Office of International Engagement (see International Engagement web site):

1. Application for admission.
2. Non-refundable application fee of US $50.00 drawn from a US bank, or an international money order.
3. 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 $17,000.00 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.
4. Original or certified copies of all secondary, college, and university academic 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.
5. TOEFL score, if available, although it is not required for admission to the IEP.

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

1. Application for admission.
2. Non-refundable application fee of US of $50.00 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

[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, 133-150 on the computer-based test, or 45-60 on the Internet-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, 153-170 on the computer-based test, or 53-60 on the Internet-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

All IEP students receive a certificate noting their participation in the program at the end of a semester. Excellent attendance is noted on certificates for students who meet all class attendance requirements, and academic achievement is noted on certificates for students who earn a GPA of 3.5 or above.

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 5 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 9 hours of Level 5 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 Compass 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 most classrooms are located in Torreyson Library West. 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 in the university cafeteria.

[4] Further Information

For more information regarding the Intensive English Program, contact

Celeste Flowers, IEP Coordinator

316 Torreyson Library West
University of Central Arkansas
Conway, AR 72035 U.S.A.
Telephone: (501) 852-7412

[5] Intensive English Program Courses (IEP)

Follow this link for IEP course descriptions: course link.

Department of Philosophy and Religion

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/department-of-philosophy-and-religion/

Chair and Professor: C. Harvey (PhD), 450-3179
Professor: C. Crockett (PhD), P. Mehl (PhD)
Associate Professor: N. Brasovan (PhD), J. Butler (PhD), J. Deitrick (PhD), T. Duncan (PhD), J. Held (PhD), B. Rider (PhD)
Assistant Professor: S. Mason (PhD)
Senior Lecturer: P. Spivey (MA)
Lecturer II: R. Novy (PhD)
Lecturer I: G. Thiher (PhD)
Instructor: J. Winden Fey (PhD)
Professor Emeritus: N. Schedler (PhD), J. Shelton (PhD)

[1] Purposes

The Department of Philosophy and Religion offers degree programs with majors in philosophy or religious studies. The department administers the interdisciplinary degree program in Religious Studies. The philosophy program serves all academic disciplines by the examination and analysis of the major ideas that have shaped our civilization and by the development of skills in critical thinking. The interdisciplinary religious studies program introduces students to the basic methods and subject matter of the study of religion. Philosophy and religion courses are designed both to contribute to a broad liberal education and to enrich more vocationally oriented programs. Both the major and minor in philosophy and religious studies are designed to provide the core of a liberal arts education for students interested in graduate, professional, or divinity school. They also provide broad, non-specialized degrees for those who desire career flexibility.

A student who majors in philosophy will acquire a fundamental understanding of philosophy, which includes an understanding of the central problems of philosophy, a comprehension of the various methods of philosophical inquiry and discourse, a knowledge of the historically significant philosophers and philosophical movements, a knowledge of the fundamental principles of logic and an understanding of the basic theories of ethics. A student who majors in philosophy will achieve a satisfactory level in the application of critical thinking skills and will be able to write a philosophical paper.

A student who majors in Religious Studies will gain a broad understanding of various religious texts, practices and traditions, as well as critical tools to interpret and assess these traditions, in the areas of

theory and method; Asian religious traditions; Western religious traditions; sacred art, ritual and literature; religion, culture and society; and religious thought. A student who majors in Religious Studies will learn to examine and evaluate religious phenomena and ideas from several disciplinary and inter-disciplinary viewpoints, including philosophical, historical, anthropological, literary and theological perspectives.

[2] Honors in Philosophy and Religion

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Students who major in Philosophy or Religion and who demonstrate exceptional ability may request or may be invited to enter the Honors in the Majors program. In addition to or as one of the courses required for a major in the area, the student must (1) complete PHIL 4301 Philosophy Honors Tutorial or Complete RELG 4300 Religious Studies Honors Tutorial; (2) maintain a minimum 3.25 grade point average overall and a 3.5 grade point average in the major; (3) complete an honors thesis in conjunction with PHIL 4301 or RELG 4300; and (4) pass an oral examination on the thesis conducted by three faculty members.

[3] Baccalaureate Degrees: Bachelor of Arts/Bachelor of Science

[3.1] BA/BS in Philosophy

The degree of Bachelor of Arts or Bachelor of Science, with a major in philosophy, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) major requirements listed below; and (4) a minor as worked out with the student's minor advisor.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1.1] Major in Philosophy (33 hours)

Philosophy majors are recommended to take courses in the major to satisfy their upper-division Core requirements. Students must take three hours in courses designated in each of the four Core competencies, Critical Inquiry (I), Communication (C), Diversity (D) and Responsible Living (R). However, if they so choose, students are free to fulfill their upper-division Core requirements with courses from other departments. Philosophy majors are strongly encouraged to take either PHIL 4310 or 4340 to meet their Capstone course (Z) within the Philosophy program, but are able to fulfill their Capstone requirement from another program if necessary.

Required Courses (12 hours):

PHIL 2310 Introduction to Logic *or* PHIL 3310 Symbolic Logic
PHIL 3320 Ethics *or* PHIL 3325 Political Philosophy **[UD UCA Core: I, R]**
PHIL 3300 Greek and Roman Philosophy **[UD UCA Core: I, C]**
PHIL 3302 Modern Philosophy

Elective courses (21 hours):

At least two courses from the History of Philosophy area (6 hours):

PHIL 3301 Medieval Philosophy
PHIL 3303 Nineteenth Century Philosophy
PHIL 3304 American Pragmatism
PHIL 4305 Continental Philosophy
PHIL 4306 Analytic Philosophy
PHIL 4310 Great Works in Philosophy **[UD UCA Core: Z]**

At least one course from the Epistemology & Metaphysics area (3 hours):

PHIL 3310 Symbolic Logic
PHIL 3341 Theories of Knowledge
PHIL 3370 Metaphysics
PHIL 3375 Philosophy of Mind
PHIL 3380 Philosophy of Science **[UD UCA Core: I, C]**
PHIL 4306 Analytic Philosophy
PHIL 4330 Philosophy of Language

At least one course from the Social, Political, Values area (3 hours):

PHIL 2300 Existential Problems in Philosophy
PHIL 3320 Ethics **[UD UCA Core: I, R]**
PHIL 3325 Political Philosophy **[UD UCA Core: I, R]**
PHIL 3330 Philosophy of Law
PHIL 3331 Philosophy of Religion
PHIL 3340 Critical Theories of Race **[UD UCA Core: D, R]**
PHIL 3343 Philosophy of Sex and Love
PHIL 3345 Feminist Philosophy **[UD UCA Core: D, R]**
PHIL 3352 Asian Philosophy and Religion **[UD UCA Core: D, C]**
PHIL 3360 Philosophy of Art
PHIL 4320 Applied Ethics **[UD UCA Core: D, R]**
PHIL 4340 the Meaning of Life **[UD UCA Core: Z]**
PHIL 4350/5350 Health Care Ethics

Students should select three additional elective courses (9 hours) from any of the groups. One and only one of PHIL 1301, 2325 or 2360 can count towards the major. Courses at or above the 2000 level with the prefix RELG may also function as electives for the major with permission of advisor and chair.

The following are special courses that, depending on content, may or may not substitute for a requirement or elective:

PHIL 3390 Internship in Philosophy
PHIL 3395 Topic in Philosophy
PHIL 4300 Readings in Philosophy
PHIL 4301 Honors Tutorial in Philosophy

[3.1.2] Minor in Philosophy (18 hours)

Required Courses (6 hours):

PHIL 2310 Introduction to Logic *or* PHIL 3310 Symbolic Logic
PHIL 3320 Ethics *or* PHIL 3325 Political Philosophy **[UD UCA Core: I, R]**

Elective courses (12 hours):

At least two courses from the History of Philosophy area (6 hours):

PHIL 3300 Greek and Roman Philosophy **[UD UCA Core: I, C]**
PHIL 3301 Medieval Philosophy
PHIL 3302 Modern Philosophy
PHIL 3303 Nineteenth Century Philosophy
PHIL 3304 American Pragmatism
PHIL 4305 Continental Philosophy
PHIL 4306 Analytic Philosophy

At least one course from the Epistemology & Metaphysics area (3 hours):

PHIL 3310 Symbolic Logic
PHIL 3341 Theories of Knowledge
PHIL 3370 Metaphysics
PHIL 3375 Philosophy of Mind
PHIL 3380 Philosophy of Science **[UD UCA Core: I, C]**
PHIL 4306 Analytic Philosophy
PHIL 4330 Philosophy of Language

At least one course from the Social, Political, Values area (3 hours):

PHIL 2300 Existential Problems in Philosophy
PHIL 3320 Ethics **[UD UCA Core: I, R]**
PHIL 3325 Political Philosophy **[UD UCA Core: I, R]**
PHIL 3330 Philosophy of Law
PHIL 3331 Philosophy of Religion
PHIL 3340 Critical Theories of Race **[UD UCA Core: D, R]**
PHIL 3343 Philosophy of Sex and Love
PHIL 3345 Feminist Philosophy **[UD UCA Core: D, R]**
PHIL 3352 Asian Philosophy and Religion **[UD UCA Core: D, C]**
PHIL 3360 Philosophy of Art
PHIL 4320 Applied Ethics **[UD UCA Core: D, R]**
PHIL 4340 the Meaning of Life **[UD UCA Core: Z]**
PHIL 4350/5350 Health Care Ethics

The following are special courses, that, depending on content, may or may not substitute for a requirement or elective:

PHIL 3390 Internship in Philosophy
PHIL 3395 Topic in Philosophy
PHIL 4300 Readings in Philosophy
PHIL 4301 Honors Tutorial in Philosophy
PHIL 4310 Great Works in Philosophy **[UD UCA Core: Z]**

[3.2] BA/BS in Religious Studies

[3.2.1] Major in Religious Studies (33 hours)

See the Religious Studies page, in Interdisciplinary Programs.

[3.2.2] Minor in Religious Studies (18 hours)

See the Religious Studies page, in Interdisciplinary Programs.

[4] Course Links (PHIL, RELG)

Follow this link for PHIL course descriptions: course link.

Follow this link for RELG course descriptions: course link.

Department of Political Science

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/department-of-political-science/

Chair and Professor: C. Arnold (PhD), 450-5691
Professor: S. Bellar (PhD), C.T. McInnis (PhD), J. Passe-Smith (PhD)
Associate Professor: K. Hoffman (PhD), J. Howard (PhD), M. Mullenbach (PhD), M. Sullivan (PhD), G. Tiruneh (PhD)
Assistant Professor: T. Staley (PhD), H. Yates (PhD)

[1] Purposes

The primary objective of the undergraduate political science program, located in the Department of 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 education requirements. In addition, the department administers an undergraduate degree program in public administration(with the goal of preparing students for careers in local, state, and/or federal government) and in international studies (with the goal of preparing students for careers in international relations and comparative politics).

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] Honors in Political Science, Public Administration, International Studies

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Students wishing to write an honors thesis in either political science, public administration, or international studies should enroll in three hours of PSCI 4399, Independent Study, during both semesters of their senior year. During pre-registration the semester before the start of the senior year, a student should choose a thesis advisor and discuss the proposed thesis topic with the thesis advisor. At this time, it is the responsibility of the thesis advisor to give the student a copy of the thesis guidelines. To be recognized as an honors thesis in either political science, public administration, or international studies, the project must conform to provisions found either at the department's website or the department description in the Undergraduate Bulletin. In general to be eligible, a student must have an overall grade point average of at least 3.5 at UCA and a 3.5 in the Department of Political Science.

[3] Baccalaureate Degrees and Minor Programs

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[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 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) specific BA or BS degree requirements; (3) major requirements listed below; and (4) a minor approved by the student's minor advisor.

[3.1.1] Major in Political Science (36 hours)

All political science majors are required to take 15 hours of core required PSCI courses and three hours at the 3000 level or above from a minimum of four of the six Political Science subfields (see below); and nine hours at the 3000 level or above of political science electives. PSCI 1330 **[ACTS: PLSC2003]** U.S. Government & Politics is a prerequisite for all junior and senior level classes.

PSCI courses are used to satisfy the lower-division UCA Core requirement in Critical Inquiry and Responsible Living. Designated PSCI courses may be used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, Effective Communication, and Capstone Experience.

Political Science Required Courses (15 hours):

PSCI 2300 Introduction to International Relations
PSCI 2305 Introduction to Public Administration & Policy

PSCI 2312 Statistical Methods for Political Analysis *or* PSCI 2322 Political Applications in G.I.S.
PSCI 2315 Introduction to Political Theory
PSCI 2320 Introduction to Comparative Politics

[3.1.2] Minor in Political Science (24 hours)

All Political Science minors are required to take 15 hours of core required PSCI courses (see above) and three hours at the 3000 level or above from three of the six Political Science subfields (see below). PSCI 1330 **[ACTS: PLSC2003]** U.S. Government and Politics, is a prerequisite for all junior and senior level classes.

Note:

Public Administration majors who choose to minor in political science must use PSCI 2305 and PSCI 2312 or 2322 for the Public Administration major. Therefore, Public Administration majors must select two additional elective courses from any of the Political Science subfields to meet the 24-hour minor requirement.

International Studies majors who choose to minor in Political Science must use the PSCI 2300, 2320, and 2312 or 2322 for the International Studies major. Therefore, International Studies majors must select three additional courses from any of the Political Science subfields to meet the 24 hour minor requirement.

[3.1.3] Political Science Subfields

American Politics:

PSCI 3300 State Government & Politics
PSCI 3330 Political Parties & Electoral Problems
PSCI 3336 Local Government & Politics
PSCI 3350 Interest groups & Money in Politics
PSCI 3372 Political Behavior
PSCI 3375 The American Judicial System
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4300 Constitutional Law **[UD UCA Core: I]**
PSCI 4301 Civil Liberties **[UD UCA Core: I]**
PSCI 4315 The Politics of Presidential Selection
PSCI 4334 The American Presidency **[UD UCA Core: I]**
PSCI 4335 The American Congress
PSCI 4340 Seminar in Selected Topics*
PSCI 4390 Internship in Political Science

Comparative Politics:

PSCI 3340 Governments & Politics of Europe and Russia
PSCI 3382 Politics of Developing Nations
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4305 The Political Economy of Development
PSCI 4320 Revolution & Political Violence
PSCI 4325 Mexican Politics & U.S.-Mexico Relations
PSCI 4328 Dynamics of Democratization **[UD UCA Core: Z]**

PSCI 4340 Seminar in Selected Topics*
PSCI 4345 Governments & Politics of Africa
PSCI 4348 Governments & Politics of the Middle East
PSCI 4390 Internship in Political Science

International Relations:

PSCI 3305 United Nations & International Politics **[UD UCA Core: I]**
PSCI 3315 International Law & Organizations
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4310 International Political Economy & Globalization
PSCI 4312 China & International Politics
PSCI 4340 Seminar in Selected Topics*
PSCI 4388 American Foreign Policy
PSCI 4395 International Conflict & Conflict Management
PSCI 4390 Internship in Political Science

Political Theory:

PSCI 3370 Political Theory I **[UD UCA Core: R]**
PSCI 3371 Political Theory II **[UD UCA Core: R, I]**
PSCI 4V99 Studies in Political Sciences (Independent Study, variable credit)
PSCI 4307 Political Ethics **[UD UCA Core: R, I]**
PSCI 4331 American Political Theory **[UD UCA Core: R, I]**
PSCI 4340 Seminar in Selected Topics*
PSCI 4390 Internship in Political Science

Public Administration:

PSCI 3365 Public Administration
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4351 Community & Regional Planning
PSCI 4375 Intergovernmental Relations **[UD UCA Core: C]**
PSCI 4385 Special Topics in Public Administration
PSCI 4390 Internship in Political Science
PSCI 4391 Government Budgeting

Public Policy:

PSCI 3320 Environmental Policy **[UD UCA Core: R, I]**
PSCI 3361 Public Policy Analysis **[UD UCA Core: Z]**
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4350 Public Policy & Program Evaluation
PSCI 4386 Special Topics in Public Policy
PSCI 4390 Internship in Political Science

*PSCI 4340, Seminar in Selected Topics, can be applied to the subfields of American Politics, Comparative Politics, International Relations, and Political Theory, depending on the content of the seminar.

[3.2] Bachelor of Arts/Bachelor of Science in Public Administration

[3.2.1] Purpose

The degree of Bachelor of Arts or Bachelor of Science in Public Administration, located in the Department of Political Science, prepares students for careers in government (federal, state, and local) and in non-profit organizations. The 36 hour program offers courses in state government and politics, local government and politics, intergovernmental relations, public management, public policy, program evaluation, government budgeting, community and regional planning, and a variety of substantive policy topics (education policy, environmental policy, and community and economic development policy). The program also requires a six credit hour internship in a government or non-profit organization.

[3.2.2] Major in Public Administration (36 hours)

The degree of Bachelor of Science or Bachelor of Arts, with a major in public administration, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) specific BA or BS requirements; (3) the major listed below; and (4) a minor approved by the student's minor advisor.

All public administration majors are required to take 21 hours of core required PSCI courses and nine hours at the 3000 level or above from the public administration issue area (see below) with at least two of the three courses selected from PSCI and six hours at the 3000 level or above from the public policy issue area (see below) with at least one of the two courses selected from PSCI. PSCI 1330 **[ACTS: PLSC2003]** U.S. Government & Politics, is a prerequisite for all junior and senior level classes.

PSCI courses are used to satisfy the lower-division UCA Core requirement in Critical Inquiry. Designated PSCI courses may be used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, Effective Communication, and Capstone Experience.

Public Administration Major Required Courses (21 hours):

PSCI 2305 Introduction to Public Administration and Policy
PSCI 2312 Statistical Methods for Political Analysis *or* PSCI 2322 Political Applications in GIS.
PSCI 3300 State Government & Politics
PSCI 3361 Public Policy Analysis **[UD UCA Core: Z]**
PSCI 3365 Public Management
PSCI 4610 Internship in Public Administration

[3.2.3] Issue Areas:

Public Administration:

PSCI 3336 Local Government & Politics
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4334 The American Presidency **[UD UCA Core: I]**
PSCI 4351 Community & Regional Planning
PSCI 4375 Intergovernmental Relations **[UD UCA Core: C]**
PSCI 4385 Special Topics in Public Administration

PSCI 4391 Government Budgeting
GEOG 3305 Economic Geography
GEOG 3325 Urban & Regional Planning
GEOG 3371 Urban Geography
GEOG 3381 Political Geography
GEOG 4313 Recreation & Tourism

Public Policy:

PSCI 3320 Environmental Policy **[UD UCA Core: R, I]**
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4335 The American Congress
PSCI 4350 Public Policy & Program Evaluation
PSCI 4386 Special Topics in Public Policy
PSCI 4390 Internship in Political Science
SOC 3370 Criminology
SOC 4321 Social Policy Analysis

[3.2.4] Minor in Public Administration (21 hours)

All public administration minors are required to take 12 hours of core required PSCI courses and six hours at the 3000 level or above from the public administration issue area (see below) and three hours at the 3000 level or above from the public policy issue area (see below). PSCI 1330 **[ACTS: PLSC2003]** Government & Politics, is a prerequisite for all junior and senior level classes.

Public Administration Minor Required Courses:

PSCI 2305 Introduction to Public Administration and Policy*
PSCI 3300 State Government & Politics
PSCI 3361 Public Policy Analysis **[UD UCA Core: Z]**
PSCI 3365 Public Management

*Political Science majors who wish to minor in public administration must use PSCI 2305 for their major. Therefore, political science majors must take an additional course from the public administration issue area or public policy issue area to meet the 21 hour minor requirement.

Public Administration Issue Area:

PSCI 3336 Local Government & Politics
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4351Community & Regional Planning
PSCI 4375 Intergovernmental Relations **[UD UCA Core: C]**
PSCI 4385 Special Topics in Public Administration
PSCI 4391 Government Budgeting

Public Policy Issue Area:

PSCI 3320 Environmental Policy **[UD UCA Core: I, R]**
PSCI 4V99 Studies in Political Science (Independent Study, variable credit)
PSCI 4350 Public Policy & Program Evaluation
PSCI 4386 Special Topics in Public Policy

[3.3] Bachelor of Arts in International Studies

[3.3.1] Purpose

The International Studies Program is a multidisciplinary program located in the Department of Political Science at the University of Central Arkansas that is intended for students who are interested in studying global topics and problems primarily from a social science perspective. Students are exposed to a variety of courses in the fields of international relations and comparative politics within the discipline of political science, as well as a variety of courses within the disciplines of economics, finance, geography, history, philosophy, and world languages. Students may choose to pursue either a major or a minor in International Studies.

[3.3.2] Major in International Studies (33 hours)

The degree of Bachelor of Arts, with a major in international studies, requires successful completion of 120 hours, including (1)the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) completion of the BA degree requirements; (3) completion of an additional three (3) hours in a Foreign Language on the 2000-level or above; and (4) the major requirements listed below.

All international studies majors are required to take 12 hours of core required PSCI courses, one additional 2000-level or higher foreign language course beyond the language requirements for the B.A. degree (see below), and 18 hours of course work at the 3000-level or above from one of the three International Studies concentrations, including at least six hours of PSCI courses (see below).

PSCI courses are used to satisfy the lower-division UCA Core requirement in Critical Inquiry. Designated PSCI courses may be used to satisfy the upper-division UCA Core requirements in Diversity, Critical Inquiry, Responsible Living, Effective Communication, and Capstone Experience.

Required PSCI Courses (12 hours):

PSCI 1330 U.S. Government & Politics **[ACTS: PLSC2003]**
PSCI 2300 Introduction to International Relations
PSCI 2312 Statistical Methods for Political Analysis *or* PSCI 2322 Political Science Applications in G.I.S.
PSCI 2320 Introduction to Comparative Politics

Foreign Language Component (3 hours): one additional 2000-level or higher course (beyond the language requirements for a B.A. degree) in one foreign language.

[3.3.3] Concentrations

The student completes 18 hours from one concentration, including at least 6 hours from the PSCI offerings

International Politics & Diplomacy Concentration:

PSCI 3305 United Nations & International Politics **[UD UCA Core: I]**
PSCI 3315 International Law & Organizations
PSCI 3382 Politics of Developing Nations
PSCI 4312 China & International Politics

PSCI 4320 Revolution & Political Violence
PSCI 4340 Seminar in Selected Topics*
PSCI 4334 The American Presidency **[UD UCA Core: I]** or 4388 American Foreign Policy
PSCI 4390 Internship in Political Science
PSCI 4395 International Conflict & Conflict Management
PSCI 4399 Studies in Political Science (Independent Study)
GEOG 3381 Political Geography
HIST 4335 Diplomatic History of the U.S.
HIST 4365 The History of Imperialism

International Political Economy & Development Concentration:

PSCI 3382 Politics of Developing Nations
PSCI 4305 The Political Economy of Development
PSCI 4310 International Political Economy & Globalization
PSCI 4328 Dynamics of Democratization **[UD UCA Core: Z]**
PSCI 4340 Seminar in Selected Topics*
PSCI 4390 Internship in Political Science
PSCI 4399 Studies in Political Science (Independent Study)
ECON 3330 Environmental Economics
ECON 4320 Comparative Economics Systems
ECON 4335 International Trade
ECON 4375 Economics of Developing Nations
FINA 4333 International Finance
GEOG 3305 Economic Geography
SOC 4310 Globalization and Development

Regional Studies Concentration:

Africa and the Middle East:
PSCI 4340 Seminar in Selected Topics*
PSCI 4390 Internship in Political Science
PSCI 4V99 Studies in Political Science
PSCI 4345 Governments & Politics of Africa
PSCI 4348 Governments & Politics of the Middle East
GEOG 3345 Geography of China & East Asia
HIST 3312 Comparative Modern Third World History
HIST 4305 The U.S. and the Middle East
HIST 4365 The History of Imperialism

Asia:
PSCI 4312 China & International Politics
PSCI 4340 Seminar in Selected Topics
PSCI 4390 Internship in Political Science
PSCI 4V99 Studies in Political Science
CHIN 3312 Chinese Culture & Society
GEOG 3345 Geography of China & East Asia
GEOG 3346 Geography of South Asia
HIST 3303 Asian Civilization I

HIST 3304 Asian Civilization II
HIST 3312 Comparative Modern Third World History
HIST 4365 The History of Imperialism
HIST 4381 History of Modern China
HIST 4383 History of Modern Japan
HIST 4386 The War in the Pacific, 1931-1945
PHIL 3352 Asian Philosophy & Religion

Europe:
PSCI 3340 Governments & Politics of Europe & Russia
PSCI 4340 Seminar in Selected Topics*
PSCI 4390 Internship in Political Science
PSCI 4V99 Studies in Political Science
FREN 3312 French Civilization
GERM 3312 German Civilization
HIST 4347 Ideas & Society in Modern Europe
HIST 4365 The History of Imperialism
HIST 4369 Victorian Britian
HIST 4370 Europe, 1815-1914
HIST 4374 The European Renaissance and Reformation
HIST 4376 Europe, 1914-1939
HIST 4377 Europe in the Global Era
HIST 4394 Germany since 1918
HIST 4397 History of Ireland, 1500-present
SPAN 3312 Spanish Civilization

Latin America:
PSCI 4325 Mexican Politics & U.S.-Mexican Relations
PSCI 4340 Seminar in Selected Topics*
PSCI 4390 Internship in Political Science
PSCI 4V99 Studies in Political Science
GEOG 3315 Geography of Latin America
HIST 3312 Comparative Modern Third World History
HIST 4328 Modern Latin America
HIST 4343 History of Mexico
HIST 4353 Inter-American Relations
HIST 4365 The History of Imperialism
SPAN 3313 Latin American Civilization
SPAN 3315 Studies in Hispanic Civilization-Latin America
SPAN 3398 Travel Seminar in Mexico
SPAN 4396 Studies in Hispanic Civilization-Latin American

*PSCI 4340, Seminar in Selected Topics, can be applied to the subfields of American Politics, Comparative Politics, International Relations, and Political Theory, depending on the content of the seminar.

[3.4.4] Minor in International Studies (21 hours)

Required PSCI Courses (9 hours):

PSCI 1330 U.S. Government & Politics **[ACTS: PLSC 2003]**
PSCI 2300 Introduction to International Relations
PSCI 2320 Introduction Comparative Politics

Concentrations (9 hours): three courses at the 3000-level or above from one of the three International Studies concentrations (see above), including at least one course (three hours) from the political science offerings.

Foreign Language Component (3 hours): one additional 2000-level or higher course (beyond the language requirements for a BA degree) in one foreign language.

[4] Courses in Political Science (PSCI)

Follow this link for PSCI course descriptions: course link.

Department of Sociology, Criminology, and Anthropology

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-liberal-arts/department-of-sociology-criminology-and-anthropology/

Chair and Associate Professor: E. Powers (PhD), 450-3178
Professor: J. Wilson (PhD)
Associate Professor: R. Akhter (PhD), D. George (PhD), S. Rich (PhD), J. Toth (PhD)
Assistant Professor: E. Bowne (PhD), S. Lom (PhD), D. McKinnon (PhD), M. Moore (PhD), S. Skaggs (PhD)
Lecturer: D. Jones (MA)

[1] Purpose

The department's programs offer students the conceptual perspectives and analytical skills for understanding the structure, culture and variations of social interaction in human societies, past, present, and in comparative perspective. The cultivation of students' abilities to apply what they learn to the practical resolution of social concerns in daily life, as well as the development of their theoretical knowledge and capacity for scholarly objectivity are all department goals.

[2] Honors in Sociology, Criminology, Anthropology

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

The department offers students the option of completing an undergraduate honors project (or senior thesis) based on original research. Junior or senior students may, at the invitation of department faculty, be permitted to participate in the program. Successful completion of the program allows the student to graduate with Honors in Sociology, Criminology, or Anthropology. To be eligible, a student must have an overall grade point average of 3.25 and a 3.50 grade point in the major. Honors students enroll in SOC 4390, CRIM 4390, or ANTH 4390, taken in consultation with the thesis advisor, during which time the student completes the research and writes a formal paper. The paper is submitted to the thesis committee upon completion of the course, at which time the committee will

schedule and conduct an oral defense of the work. If necessary, the student will revise the thesis before its final acceptance and/or the assignment of a letter grade.

[3] Baccalaureate Degrees: Bachelor of Arts/Bachelor of Science

Majors in Sociology, Criminology, or Anthropology may declare either the Bachelor of Arts or Bachelor of Science degree option. The degree of Bachelor of Arts or Bachelor of Science requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using courses designated below in each major program section; (2) degree requirements; (3) major requirements listed below; and (4) a minor as worked out with the student's minor advisor. Designated courses are used to satisfy the lower-division UCA Core requirement in Critical Inquiry (I) and the required upper-division UCA Core courses in Diversity (D), Critical Inquiry (I), Communication (C), and Responsible Living (R), in addition to the required UCA Core capstone (Z) course.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1] Major in Sociology (33 hours)

Students who major in sociology should complete SOC 1300 **[ACTS: SOCI1013]** with a grade of C or better.

All sociology majors are required to take:

SOC 1300 Principles of Sociology **[LD UCA Core: I]**
SOC 2321 Social Statistics
SOC 3320 Social Research Methods **[UD UCA Core: I, C]**
SOC 4330 Social Theory
SOC 4360 Seminar **[UD UCA Core: Z]**

In addition, students are required to take 18 hours as determined by their area of study.

[3.1.1] General Sociology

Sociology electives (18 hours), selected from the remaining sociology courses. The department recommends taking either SOC 3310 **[UD UCA Core: D, R]** or SOC 3361 **[UD UCA Core: D, R]** to satisfy the required upper-division UCA Core courses in Diversity (D) and Responsible Living (R).

Students may choose up to two courses (6 hours) from the ANTH list to count as electives for the general sociology concentration.

[3.1.2.] Minor in Sociology (18 hours)

Eighteen hours of sociology (including SOC 1300), 9 hours of which must be upper-division.

Students may choose up to two courses (6 hours) from the ANTH list to count as electives for the sociology minor.

[3.2] Major in Criminology (39 hours)

Students who major in criminology should complete SOC 1300 with a grade of C or better.

All criminology majors are required to take:

SOC 1300 Principles of Sociology **[LD UCA Core: I]**
CRIM 2300 Foundations of Criminal Justice
SOC 2321 Social Statistics
SOC 3320 Social Research Methods **[UD UCA Core: I,C]**
CRIM 3370 Criminology
CRIM 4360 Seminar / Practicum **[UD UCA Core: Z]**

In addition to 18 hours of required core courses, students are required to complete 21 hours of credits divided into elective major courses and optional elective courses.

Elective major courses (15-21 hours):

SOC 2325 Social Problems
SOC 2361 Deviance and Society
CRIM 3371 Juvenile Delinquency
CRIM 3381 Police and Society
CRIM 3391 Correctional Systems
SOC 4342 Stratification
CRIM 4355 Victimology
CRIM 4365 Homicide: Victims and Offenders
CRIM 4V90 Selected Problems in Criminology
CRIM 4370 Internship in Criminology
CRIM 4395 Special Topics
PSCI 3375 The American Judicial System

Optional elective courses (0-6 hours):

SOC 3310 Racial and Ethnic Relations **[UD UCA Core: D, R]**
SOC 3361 Gender Roles **[UD UCA Core: D, R]**
H ED 4312 Drug Education

Among the optional elective courses in criminology, the department recommends taking either SOC 3310 **[UD UCA Core: D, R]** or SOC 3361 **[UD UCA Core: D, R]** to satisfy the required upper-division UCA Core courses in Diversity (D) and Responsible Living (R).

[3.2.1] Minor in Criminology (21 hours)

The minor in criminology requires 21 hours. All minors are required to take SOC 1300 and CRIM 2300.

Criminology minors choose five additional courses (15 hours) from among elective courses:

SOC 2361 Deviance and Society
CRIM 3370 Criminology
CRIM 3371 Juvenile Delinquency
CRIM 3381 Police and Society
CRIM 3391 Correctional Systems
CRIM 4355 Victimology
CRIM 4365 Homicide: Victims and Offenders
CRIM 4370 Internship in Criminology
CRIM 4395 Special Topics
PSCI 3375 The American Judicial System

[3.3] Major in Anthropology (33 hours)

Students who major in anthropology should complete ANTH 1302 **[LD UCA Core: R]** with a grade of C or better.

All anthropology majors are required to take:

ANTH 1302 Introduction to Anthropology **[LD UCA Core: R]**
SOC 2321 Social Statistics
ANTH 3321 Qualitative Research Methods **[UD UCA Core: I, C]**
ANTH 4380 Anthropological Theory
ANTH 4360 Seminar **[UD UCA Core: Z]**

In addition to 15 hours of required core courses, students are required to complete 18 hours of credits divided into elective major courses and optional elective courses.

Elective major courses:

ANTH 2310 Biological Anthropology
ANTH 2300 Peoples and Cultures
ANTH 2325 Approaches to Archaeology
ANTH 3300 Regional Anthropology
ANTH 3310 Magic, Religion, and Witchcraft
ANTH 3315 Native American Cultures
ANTH 3320 Intentional Communities
ANTH 3340 Environmental Anthropology
ANTH 3350 Museum Anthropology
ANTH 3360 Anthropology Travel Seminar
ANTH 4V80 Field Archaeology
ANTH 4V90 Selected Problems in Anthropology
ANTH 4310 Myths & Moundbuilders
ANTH 4370 Internship in Anthropology
ANTH 4395 Special Topics

Optional elective courses:

GEOG 1320 Introduction to Human Geography
LING 3325 Sociolinguistics
SOC 3310 Racial and Ethnic Relations **[UD UCA Core: D, R]**
SOC 3361 Gender Roles **[UD UCA Core: D, R]**

Among the optional elective courses in anthropology, the department recommends taking either SOC 3310 **[UD UCA Core: D, R]** or SOC 3361 **[UD UCA Core: D, R]** to satisfy the required upper-division UCA Core courses in Diversity (D) and Responsible Living (R).

[3.3.1] Minor in Anthropology (18 hours)

There are six required courses for the Minor in Anthropology, totaling 18 hours (9 hours have to be upper division). All Anthropology minors are required to take ANTH 1302 then choose and complete two courses from the Anthropology Core to include:

ANTH 2300 Peoples and Cultures
ANTH 3300 Regional Anthropology
ANTH 3310 Magic, Religion, and Witchcraft
LING 2350 World Languages
ANTH 2325 Approaches to Archaeology
ANTH 3315 Native American Cultures
ANTH 3340 Environmental Anthropology
ANTH 3350 Museum Anthropology

and complete three additional courses from the Anthropology Core or from the designated electives:

GEOG 1320 Human Geography
GEOG 3315 Geography of Latin American
RELG 3315 Religion and Culture
RELG 3325 Buddhism **[UD UCA Core: D,R]**
PHIL 3352 Asian Philosophy and Religion **[UD UCA Core: D,C]**
AFAM 1330 Introduction to African/African-American Studies
ENGL 3315 Gender and Language **[UD UCA Core: D,C]**
PSCI 3382 Politics and Developing Nations
WLAN 2325 Issues of Cultural Identity in the African Diaspora
SOC 3310 Radical and Ethnic Relations **[UD UCA Core: D, R]**
SOC 3361 Gender and Society **[UD UCA Core: D, R]**
SOC 3398 Travel Seminar
SOC 4301 Social Movements and Social Change
ANTH 3321 Qualitative Research Methods
ANTH 3360 Anthropology Travel Seminar
ANTH 4V80 Field Archaeology
ANTH 4V90 Selected Problems in Anthropology
ANTH 4370 Internship
ANTH 4380 Anthropological Theory
ANTH 4395 Special Topics in Anthropology

[4] Course Links

[4.1] Courses in Anthropology (ANTH)

Follow this link for ANTH course descriptions: course link.

[4.2] Courses in Criminology (CRIM)

Follow this link for CRIM course descriptions: course link.

[4.3] Courses in Sociology (SOC)

Follow this link for SOC course descriptions: course link.

College of Natural Sciences and Mathematics

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/

Dean and Professor: S. Addison (PhD), 450-3199
Associate Dean and Associate Professor: G. Adams (PhD), 450-3199

[1] Mission

The College of Natural Sciences and Mathematics supports the mission of the University of Central Arkansas through the departments of Biology, Chemistry, Computer Science, Mathematics, and Physics & Astronomy. The college mission is to provide current, superior learning opportunities for students of the university and for the public; to advance knowledge of our disciplines; and to furnish professional services locally, regionally, and nationally.

The College of Natural Sciences and Mathematics has as its central purposes

- To help students of the university develop life-long competencies in critical thinking, oral and written communication, quantitative reasoning, and problem-solving.
- To provide high quality, rigorous programs that prepare students to enter the work force as practitioners or teachers of mathematics, the natural sciences, or computer science and other professions; to further their education through graduate programs in mathematics, the natural sciences, computer science, and related disciplines; or to attend professional schools, in such fields as dentistry, engineering, medicine, optometry, pharmacy, or veterinary medicine.
- To provide opportunities for advanced studies in biology, computer science, mathematics, and science education through master's degree programs.
- To serve students majoring in other programs that require solid foundations in mathematics and the natural sciences, such as teaching and the health professions.
- To acquaint all students with the complexity and diversity of the contemporary world, in the context of the mathematical and scientific branches of human learning and ways of knowing, through general education courses.
- To provide, promote, and encourage professional growth opportunities for faculty and staff, including faculty and student scholarship that advances and disseminates knowledge of the disciplines.
- To serve the public, including consulting with schools, businesses, industries, and governmental agencies, delivering in-service training for teachers, making presentations to school children and the general public, and supporting professional organizations.

Students pursuing majors in the College of Natural Sciences and Mathematics are encouraged to participate in research as undergraduates. Additional information about research opportunities can be obtained from the college or departmental offices.

[2] Departments

Biology
Chemistry
Computer Science
Geography

Mathematics
Physics and Astronomy

[3] Programs

Bachelor of Arts (BA), Bachelor of Science (BS):

Biology (BS)
Chemistry (BS)
Computer Science (BS)
Environmental Science (see Interdisciplinary Programs list) (BS)
General Science (BS)
Geography (BA, BS)
Mathematics (BA, BS)
Physics (BS)

Pre-Professional Studies

See the Pre-Professional Programs list.

Pre-Dentistry
Pre-Engineering
Pre-Medicine
Pre-Optometry
Pre-Pharmacy
Pre-Veterinary Medicine

Minors

Biology
Chemistry
Computer Science
Geographic Information Science
Geography
Mathematics
Physics
Physical Science
Statistics

Graduate Certificate (GC) and Master's Degrees (MS, MA, MGIS):

Biology (MS)
Community and Economic Development (MS)
Computer Science (MS)
Geographic Information Systems (GC, MGIS)
Mathematics (MA, MS)

Department of Biology

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-biology/

Chair and Professor: B. Hill (PhD), (501) 450-3146
Professor: R. Adams (PhD), B. Cash (PhD), J. Choinski (PhD), D. Dussourd (PhD), S. Runge (PhD), B. Clancy (PhD)
Associate Professor: G. Adams (PhD), M. Bland (PhD), S. Entrekin (PhD), K. Larson (PhD), M. McDonald (PhD), R. Noyes (PhD), J. Padberg (PhD), B. Rowley (PhD)
Assistant Professor: M. Farris (PhD), M. Gifford (PhD), T. Haselkorn (PhD), C. Marian (PhD), A. Mukherjee (PhD), K. Naylor (PhD), B. Waggoner (PhD)
Senior Lecturer: Z. Gomez-Kramer (DA), M. Martin (MD), J. Mimms (MSE)
Lecturer II: K. Hicks (PhD), L. Horton (MS), K. Peppers (PhD), R. Wainwright (MHSA), L. Warren (PhD)
Lecturer I: S. Karafit (MSc), C. Thomas (PhD)

[1] Purposes

Knowledge of biology relates directly to understanding contemporary human life and the natural world. The biology program aims to contribute this vital element to the liberal education of all students through required and elective courses in general education. Majors in biology are provided the basic foundation for pursuing careers in biological sciences. Majors can go into research, teaching, or professional positions in medicine, veterinary medicine, dentistry, optometry, environmental science, and various other applied and technical fields. Courses cover both the concepts and processes of biology as well as various groups of organisms. Advanced courses and individual research opportunities are available in numerous sub-disciplines. Students in related degree programs, such as applied health sciences and education, obtain the biological component of their programs from fundamental and applied courses offered in the Department of Biology.

[2] Honors in Biology

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Junior or senior students with a grade point average of at least 3.0 overall are allowed to participate in a program which, when successfully completed, will qualify them to graduate with Honors in Biology. The program requires completion of all biology courses with a grade point of 3.25 or better, plus at least two (2) additional hours of independent research (BIOL 4V85) under the supervision of a committee consisting of a faculty mentor and two other faculty members. An acceptable written report of this research must be submitted, and an oral presentation must be given to the Department of Biology or in another suitable public forum. Additional details are available from the Biology department website.

[3] Baccalaureate Degree: Bachelor of Science

The Bachelor of Science in Biology requires successful completion of a minimum of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements (see the lower-division UCA Core requirements) and complete upper-division UCA Core requirements using designated courses; (2) BS degree requirements (see UCA Degree Requirements); and (3) requirements in biological science, physical science, and mathematics as described below.

Completion of a minor approved by both the major and the minor advisors is optional (see specific requirements below).

Please note: Students must earn a C or higher grade in a biology core course before enrolling in a subsequent biology core course or biology elective that lists that core course as a prerequisite. Similar prerequisite requirements also exist for courses in other departments offering courses required for a BS degree in Biology.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1] Major in Biology (40-48 hours)

Biology Core Requirements:

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
BIOL 2490 Genetics
BIOL 3402 Cell Biology **[UD UCA Core: C, I]**
BIOL 3403 General Ecology **[UD UCA Core: I]**

Other Required Courses:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II
PHYS 1410 College Physics I
PHYS 1420 College Physics II
MATH 1491 Calculus for the Life Sciences
or
MATH 1496 Calculus I
MATH 2311 Statistical Methods I

Biology Elective Requirements:

Major without a minor: 28 hours of electives chosen from the following courses, including a minimum of four (4) laboratory courses
Major with a minor: 20 hours of electives chosen from the following courses, including a minimum of four (4) laboratory courses

BIOL 3190 Economic Botany Lab
BIOL 3305 Molecular Biology: Techniques and Controversies
BIOL 3310 Neuroethology: The Neural Basis of Natural Behavior
BIOL 3360 Introduction to Marine Biology

BIOL 3390 Economic Botany
BIOL 3410 Vertebrate Zoology
BIOL 3420 General Microbiology
BIOL 4250 Scanning Electron Microscopy and Microanalysis
BIOL 4311 Pathophysiology [Note 1]
BIOL 4320 Neurodevelopment and Pathology
BIOL 4330/5330 Cardiovascular Physiology
BIOL 4340 Immunology
BIOL 4351 General Pharmacology [Note 1]
BIOL 4360 Endocrinology
BIOL 4376 Virology
BIOL 4400 Histology
BIOL 4401 Invertebrate Zoology
BIOL 4404 Plant Taxonomy
BIOL 4405 Developmental Biology
BIOL 4406/5406 Mammalogy
BIOL 4407/5407 Ornithology
BIOL 4410 Biology of Lower Plants and Fungi
BIOL 4412 Organisms in Extreme Environments
BIOL 4414 Molecular Mechanisms of Aging
BIOL 4415 Evolution
BIOL 4418 Biology of Reptiles
BIOL 4421 Pathogenic Microbiology **[UD UCA Core: Z]**
BIOL 4425 Experimental Neurobiology **[UD UCA Core: Z]**
BIOL 4428 Animal Physiological Ecology
BIOL 4430 Comparative Vertebrate Anatomy
BIOL 4435 Animal Behavior **[UD UCA Core: Z]**
BIOL 4440 Entomology
BIOL 4442/5442 Restoration Ecology **[UD UCA Core: Z]**
BIOL 4445 Biometry
BIOL 4450 Plant Ecophysiology **[UD UCA Core: Z]**
BIOL 4455 Ichthyology (Biology of Fishes)
BIOL 4460 Animal Physiology
BIOL 4461 Parasitology
BIOL/ENVR 4465 Environmental Toxicology **[UD UCA Core: Z]**
BIOL 4470 Biology of Seed Plants
BIOL 4475 Advanced Cell Biology **[UD UCA Core: Z]**
BIOL 4480 History of Life
BIOL 4530 Experimental Molecular Biology
BIOL 3V50/4V55 Independent Studies (1-4 credit hours each level) [Note 2]
BIOL 3V45 (1–4 credit hours) Internship [Note 2]
BIOL 3V85 (1–3 credit hours) Undergraduate Research
BIOL 4V00 (1-4 credit hours) Field Studies in Biology
BIOL 4V85 (1-3 credit hours) Undergraduate Research **[UD UCA Core: Z]** [Note 2]
CHEM 4320/CHEM 4121 Biochemistry I and Lab
ENVR 3410 Environmental Theory and Application **[UD UCA Core: D, C]**

Note 1:

These courses require prerequisites not normally taken by UCA Biology majors.

Note 2:

Up to four (4) hours may count as biology elective credit with departmental approval.

[3.2] Minor in Biology (24 hours)

Minimum Requirements:

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
BIOL 2490 Genetics
BIOL 3402 Cell Biology **[UD UCA Core: C, I]**
BIOL 3403 General Ecology **[UD UCA Core: I]**

Four elective hours chosen from the following:

BIOL 2405 Human Anatomy and Physiology
BIOL 2406 Structure and Function of the Human Body
BIOL 2407 Structure and Function of the Human Body II
BIOL 2411 Microbiology in Human Affairs
BIOL 2420 Histology for Health Sciences
BIOL 3370 Introduction to Neuroscience and all course listed as electives for the major

Additional requirements include:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry I
CHEM 2401 Organic Chemistry I
PHYS 1410 College Physics I
PHYS 1420 College Physics II

[4] Teaching Licensure

A student with a Bachelor of Science degree in Biology who is interested in obtaining teaching licensure in life science/earth science should contact the science education advisor in the Department of Biology (Dr. Bland; 450-5967 or Mr. Mimms; 450-3677) and the chair of the Department of Teaching and Learning (450-3177).

Note: Students are no longer admitted to the BSE in Secondary Science Education. UCA STEMteach is now the path to licensure in science education.

[5] Master's Degree

See *Graduate Bulletin*.

[6] Course Links

[6.1] Courses in Biology (BIOL)

Follow this link for BIOL course descriptions: course link.

[6.2] Courses at the Gulf Coast Research Laboratory

The University of Central Arkansas is affiliated with the Gulf Coast Research Laboratory (GCRL) at Ocean Springs, Mississippi. Students may take GCRL courses and receive credit at UCA.

UCA advisor: Dr. Noyes

Prerequisite for all courses: BIOL 2490 and consent of Department.

The following courses offered at GCRL can be used to satisfy up to 4 semester hours of the biology elective credit requirement at UCA. Special Problems in Marine Science (course #490) may satisfy up to 4 additional hours of the biology elective credit requirement upon approval of the Biology Department Independent Study Committee.

Number	Title	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	Coastal Vegetation Lab	1
423/523	Marine Mammals	3
423L/523L	Marine Mammals Lab	3
490/590	Special Problems in Marine Science	TBA

Department of Chemistry

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-chemistry/

Chair and Professor: P. Desrochers (PhD), 450-5936
Professor: L. Isom (PhD), M. Kelley (PhD), R. Mauldin (PhD), W. Taylor (PhD), R. Tarkka (PhD)
Associate Professor: N. Carter (PhD), L. Yang (PhD)
Assistant Professor: K.C. Cavender (PhD), K. Dooley (PhD), T. Dunlap (PhD), M. Long (PhD), N.

Meredith (PhD), G. Naumiec (PhD)
Lecturer II: F. Yarberry (PhD)
Lecturer I: M. Massey (PhD)

[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] Honors in Chemistry

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

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 writing of an acceptable report on the research completed.

[3] Baccalaureate Degree: Bachelor of Science

The degree of Bachelor of Science, with a major described below, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; and (3) major and minor requirements in chemistry listed below.

[3.1] Major in Chemistry (ACS-certified)

[3.1.1] Standard Track (48 hours)

Minimum requirements:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II
CHEM 3211 Organic Spectroscopy
CHEM 3520 Quantitative Analysis

CHEM 4320 Biochemistry I (BIOL 1440 is a prerequisite for this course.)
CHEM 4380 Advanced Inorganic Chemistry
CHEM 3150 Advanced Inorganic Laboratory
CHEM 4450 Physical Chemistry I
CHEM 4451 Advanced Analytical Chemistry
CHEM 4460 Physical Chemistry II
CHEM 4112 Seminar **[UD UCA Core: Z]**
A minimum of two credit hours of research
MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 Calculus III
MATH 3331 Ordinary Differential Equations I
PHYS 1441 University Physics 1
PHYS 1442 University Physics 2

One course from the following:

CHEM 3360 Intermediate Inorganic Chemistry **or**
CHEM 4335 Biochemistry II **or**
CHEM 4351 Environmental Chemistry **or**
CHEM 4385 Topics in Advanced Chemistry

CHEM 4301, Laboratory Management, is excluded from the ACS-certified major.

No minor required.

[3.1.2] Biochemistry Track (44 hours)

Minimum requirements:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II
CHEM 3211 Organic Spectroscopy
CHEM 3520 Quantitative Analysis
CHEM 4320 Biochemistry I
CHEM 4335 Biochemistry II
CHEM 4121 Biochemistry Laboratory
CHEM 4450 Physical Chemistry I
CHEM 4460 Physical Chemistry II
CHEM 3360 Intermediate Inorganic Chemistry **or**
CHEM 4380 Advanced Inorganic Chemistry
A minimum of two credit hours of research
CHEM 4112 Seminar **[UD UCA Core: Z]**
MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 Calculus III
PHYS 1441 University Physics 1

PHYS 1442 University Physics 2
BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
BIOL 2490 Genetics
BIOL 3420 General Microbiology

CHEM 4301, Laboratory Management, is excluded from the ACS-certified major.

No minor required.

[3.2] Major in Chemistry (non-ACS certified) (38 hours)

Minimum requirements:

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II
CHEM 3211 Organic Spectroscopy
CHEM 4320 Biochemistry I
CHEM 3360 Intermediate Inorganic Chemistry **or** CHEM 4380 Advanced Inorganic Chemistry
CHEM 3520 Quantitative Analysis
CHEM 4450 Physical Chemistry I
CHEM 4460 Physical Chemistry II
CHEM 4112 Seminar **[UD UCA Core: Z]**
MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 Calculus III
PHYS 1441 University Physics 1 [Note 1]
PHYS 1442 University Physics 2 [Note 1]
Two credit hours of chemical research recommended

CHEM 4301, Laboratory Management, is excluded.

Minor required.

Note 1:

PHYS 1410 and 1420 may be used in place of PHYS 1441 and 1442 if approved in advance by the chair of the Department of Chemistry.

[3.3] Minor in Chemistry (24 hours)

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
Chemistry electives at the 3000-level or above (CHEM 4301 excluded) for a total of at least 24 hours

[3.4] Major in Environmental Science

See Environmental Science – Chemistry Track page (Interdisciplinary Programs).

[3.5] Major in General Science

See the General Science page (Interdisciplinary Programs).

[3.6] Minor in Physical Science

See Department of Physics and Astronomy.

[4] Teacher Licensure

Students interested in teaching should pursue one of two plans of study: (a) complete a bachelors degree with a major in Life/Earth Science or Physical/Earth Science leading to teacher licensure or (b) complete a Master of Arts in Teaching (MAT) degree after completion of a BS in Chemistry. Contact UCA's Department of Teaching and Learning for more information.

Note: Students are no longer admitted to the BSE in Secondary Science Education. UCA STEMteach is now the path to licensure in science education.

[5] Courses in Chemistry (CHEM)

Follow this link for CHEM course descriptions: course link.

Department of Computer Science

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-computer-science/

Chair and Professor: E. Celebi (PhD)
Professor: C. Hu (PhD), Y. Sun (PhD)
Associate Professor: B. Chen (PhD), S. Kockara (PhD), V. Paruchuri (PhD), S. Sheng (PhD)
Assistant Professor: T. Halic (PhD), M. Karakaya (PhD), O. Kursun (PhD)
Lecturer: M. Smith (PhD), K. Thessing (MS)

[1] Programs of Study and Purposes

The Department of Computer Science offers programs of study leading to the Bachelor of Science in Computer Science, the Bachelor of Science in Computer Engineering, the Master of Science in Applied Computing, and a minor in Computer Science.

The Bachelor of Science degree in Computer Science emphasizes problem solving in the context of algorithm development and software implementation, and prepares students for effectively using modern computer systems in various applications. This BS program requires a minimum of 48 credit hours in computer science, about 31 credit hours in mathematics and the sciences, and the university general education program. The departmental curriculum provides required computer science courses such as programming languages, data structures, computer architecture and organization, algorithms, database systems, operating systems, and software engineering; as well as elective courses in artificial intelligence, computer-based communication networks, distributed computing, information security, graphics, human-computer interaction, multimedia, scientific computing, web technology, and other current topics in computer science.

The Bachelor of Science degree in Computer Engineering emphasizes the ability of developing and adapting computer hardware for applications, and prepares broadly trained computer engineers who

are experienced in both software and hardware engineering. This program requires a minimum of 59 credit hours in computer science and computer engineering, about 37 credit hours in mathematics and the sciences, and the university general education program. The departmental curriculum provides required computer engineering courses such as assembly language and computer organization, electronics, computer architecture, signals and systems, digital logic, microprocessor systems, and embedded systems; as well as elective courses in networking, operating systems, image processing, signal processing, microelectronics, and other current topics in computer engineering.

The purpose of the BS programs in computer science and computer engineering are twofold: (1) to prepare the student for a position involving the design, development and implementation of computer software/hardware, and (2) to prepare the student for entry into a program of graduate study in computer science/engineering and related fields. The educational objectives for students completing these BS degree programs are that they

Objective 1: Grow as well-educated professionals with integrated high-level understanding of computing systems, processes, and the main body of knowledge of computer science/engineering as a whole;
Objective 2: Be able to creatively apply essential concepts, principles, and practices to construct appropriate solutions and analyze application processes using professional judgment in the selection and application of theory, tools, and techniques;
Objective 3: Work productively, as individuals and as team members, to produce work involving problem identification, analysis, design, and development of a software/hardware system within a professional, legal, and ethical framework; and
Objective 4: Maintain their skills as the field evolves and appreciate the needs for continuing professional growth and development to keep current in the profession.

The department also offers a minor in Computer Science. The computer science minor curriculum provides necessary background for students interested in using computational methods to solve a broad range of application problems in sciences and engineering, such as bioinformatics, computational chemistry, computational engineering, computational mathematics, and others.

[2] Honors in Computer Science and the Combined BS+MS Program in Computer Science

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Junior and senior students who have demonstrated superior achievement in all areas, particularly in their computer science major, may be invited to participate in the Honors in Computer Science program. These students will engage in investigations in special computer science topics. The successful completion of their research will make these students eligible to graduate with Honors in Computer Science.

The department offers a combined and accelerated option for students to complete both the BS in Computer Science and the MS in Applied Computing degrees. This option allows qualified undergraduate seniors in the BS program in Computer Science to take first-year graduate-level courses in the MS program. These students will be able to complete all the requirements for the BS and MS programs in five years. Students interested in this five-year BS+MS combined option should contact his/her academic advisor or the department chair for details.

[3] Baccalaureate Degrees: Bachelor of Science

To jump directly to a particular program of study, use these links:

Degree programs: BS, Computer Science | BS, Computer Engineering
Minor program: Computer Science

[3.1] Major in Computer Science (48 hours)

[3.1.1] Computer Science Program Outcomes

All undergraduate students majoring in Computer Science will meet the following program general outcomes, specified by ABET CAC, upon their graduation:

1. An ability to apply knowledge of computing and mathematics appropriate to the discipline
2. An ability to analyze a problem and identify and define the computing requirements appropriate to its solution
3. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
4. An ability to function effectively on teams to accomplish a common goal
5. An understanding of professional, ethical, legal, security, and social issues and responsibilities
6. An ability to communicate effectively with a range of audiences
7. An ability to analyze the local and global impact of computing on individuals, organizations, and society
8. Recognition of the need for, and an ability to engage in continuing professional development
9. An ability to use current techniques, skills, and tools necessary for computing practices

Specifically, graduates should have an ability

1. To apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices; and
2. To apply design and development principles in the construction of software systems of varying complexity.

[3.1.2] Computer Science Program Requirements

The Bachelor of Science, with a major in computer science, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; and (3) major requirements outlined below. This program does not require a minor.

Required Computer Science Courses (39 hours)

CSCI 1470 Computer Science I
CSCI 1480 Computer Science II
CSCI 2320 Data Structures
CSCI 2440 Assembly Language and Computer Organization

CSCI 3190 Social Implications of Technology
CSCI 3330 Algorithms
CSCI 3360 Database Systems **[UD UCA Core: C]**
CSCI 3370 Principles of Programming Languages
CSCI 3380 Computer Architecture
CSCI 3381 Object-Oriented Software Development with Java
CSCI 4191 Seminar in Applied Computing
CSCI 4300 Operating Systems
CSCI 4490 Software Engineering **[UD UCA Core: Z]**

Elective Computer Science Courses (9 hours required)

CSCI 3V75 Internship in Computer Science
CSCI 3335 Networking
CSCI 3345 Human-Computer Interaction
CSCI 3385 Artificial Intelligence
CSCI 4310 Introduction to Scientific Computing
CSCI 4315 Information Security **[UD UCA Core: R]**
CSCI 4340 Introduction to Parallel Computing
CSCI 4350 Computer Graphics
CSCI 4353 Introduction to Multimedia Computing
CSCI 4355 Distributed Object Computing
CSCI 4357 Programming Mobile Devices
CSCI 4360 Special Topics in Computer Science
CSCI 4365 Web Technology
CSCI 4370 Data Mining
CSCI 4390 Theory of Computation
CSCI 4V95 Independent Study

Note: At most one CSCI course with grade of D can be applied toward the BS degree.

Required mathematics courses (at least 19 hours)

Core Mathematics Courses (9 hours)

MATH 2311 Statistical Methods I
MATH 2330 Discrete Structures I
MATH 3320 Linear Algebra **[UD UCA Core: I]**

Additional Mathematics Courses (at least 10 hours), chosen from the following

MATH 1491 Applied Calculus for the Life Sciences **or** MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 3311 Statistical Methods II
MATH 3330 Discrete Structures II

Required science courses (12 hours)

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
or
CHEM 1450 College Chemistry I

CHEM 1451 College Chemistry II
or
PHYS 1410 College Physics 1
PHYS 1420 College Physics 2
or
PHYS 1441 University Physics 1
PHYS 1442 University Physics 2
and
One science course other than the selected sequence

[3.2] Minor in Computer Science (18 hours)

[3.2.1] Requirements for the Computer Science Minor

Required CSCI courses

CSCI 1470 Computer Science I
CSCI 1480 Computer Science II
CSCI 2320 Data Structures
and
At least seven credit hours chosen from upper-division CSCI courses

[3.3] Major in Computer Engineering

[3.3.1] Computer Engineering Program Requirements

The Bachelor of Science, with a major in computer engineering, requires successful completion of 126 hours, including (1) the UCA Core: complete 39 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; and (3) major requirements outlined below. This program does not require a minor.

Required Computer Science and Computer Engineering Courses (53 hours)

ENGR 1301 Introduction to Engineering
CSCI 1470 Computer Science I
CSCI 1480 Computer Science II
CSCI 2320 Data Structures
CSCI 2440 Assembly Language and Computer Organization
ENGR 2447 Electronics
ENGR 3301 Signals and Systems
CSCI 3380 Computer Architecture
CSCI 3381 Object-Oriented Software Development with Java
ENGR 3415 An Introduction to Digital Logic
ENGR 3416 Microprocessor Systems
ENGR 4311 Senior Design 1
ENGR 4312 Senior Design 2 **[UD UCA Core: Z]**
ENGR 4450 An Introduction to Embedded Systems
CSCI 4490 Software Engineering **[UD UCA Core: Z]**

Elective Computer Engineering Courses (6 hours required; choose at least two)

CSCI 3335 Networking
CSCI 4300 Operating Systems
CSCI 4315 Information Security **[UD UCA Core: R]**
ENGR 3340 An Introduction to Digital Image Processing
ENGR 4315 An Introduction to Signal Processing
ENGR 3447 Microelectronics

Note: At most one CSCI/ENGR course with a grade of D can be applied toward the BS in Computer Engineering degree.

Required mathematics courses (21 hours)

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2311 Statistical Methods I
MATH 2471 Calculus III
MATH 2330 Discrete Structures I
MATH 3331 Ordinary Differential Equations **[UD UCA Core: C]**

Required science courses (16 hours)

BIOL 1400 Exploring Concepts in Biology **or** BIOL 1440 Principles of Biology I
CHEM 1450 College Chemistry I
PHYS 1441 University Physics I
PHYS1442 University Physics II

Other Required courses (30 hours)

Lower-division UCA Core Electives (24 hours)
PHIL 3320 Ethics **[UD UCA Core: I, R]**
Upper-division UCA Core Elective (must fulfill **UD UCA Core: D**)

[4] Master's Degree

See *Graduate Bulletin*.

[5] Courses in Computer Science (CSCI)

Follow this link for CSCI course descriptions: course link.

Department of Geography

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-geography/

Chair and Associate Professor: S. O'Connell (PhD) 450-3164
Associate Professor: B. Pearson (PhD), M. Yoder (PhD)
Assistant Professor: M. Connolly (PhD), W. Flatley (PhD), E. Hostetter (PhD)
Senior Lecturer: M. Passé-Smith (MA)

[1] Purposes

Programs of study in geography are designed to meet the following needs:

- Acquaint students with the contribution of geography to the understanding of the world through the study of its varied physical and human environments and the spatial relationships that exist between them.
- Give students a fundamental background in human-natural environment relationships in preparation for geography-related positions in environmental planning, natural resources management, urban and regional planning and development, water resources, cartography, education, and geographic information systems.
- Prepare students for advanced work in geography at the graduate level.

[2] Honors in Geography

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Exceptional students with a cumulative grade point average of 3.25 and a major grade point average of 3.50 and who have completed 15 hours of geography coursework may be nominated by a faculty member for the Honors in Geography program. Students will pursue intensive research guided by a director and a committee of faculty members. Students must have taken or be enrolled in GEOG 4391 and write a paper while enrolled in GEOG 4360. Students complete the process by giving an oral presentation and defense of his/her paper before an Honors Committee. This presentation is to be followed at a later date by a presentation at a geography student seminar.

[3] Baccalaureate Degrees: Bachelor of Arts, Bachelor of Science

The degree of Bachelor of Arts or Bachelor of Science, with a major in geography, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) the geography courses listed below; and (4) a minor as worked out with the student's advisor.
NOTE: both the major in geography and major in geography with a geospatial concentration have required courses that will fulfill the UCA upper-division Core requirements for Critical Inquiry, Diversity, Communication, and a Capstone. The Responsible Living upper-division Core requirement may be covered by taking any of the following electives: GEOG 3301, 3325, 3333, 4304, or 4313; or it may be taken outside of the department. The Communication requirement may be fulfilled by taking courses outside of the department.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1] Major in Geography (38 hours)

Geography Core (23 hours)

GEOG 1400 Earth Systems Science **[LD UCA Core: I]** **[ACTS: PHSC1104]**
GEOG 1320 Human Geography **[LD UCA Core: D]** **[ACTS: GEOG1113]**
GEOG 2330 Quantitative Methods in Geography
GEOG 2331 Research Methods in Geography
GEOG 2475 Cartography
GEOG 3403 Geographic Information Systems **[UD UCA Core: I]**
GEOG 4391 Research Seminar **[UD UCA Core: Z]**

Choose one of the regional classes (3 hours):

GEOG 3315 Geography of Latin America **[UD UCA Core: D, C]**
GEOG 3335 Geography of Europe and Russia **[UD UCA Core: D]**
GEOG 3345 Geography of China and East Asia **[UD UCA Core: D]**
GEOG 3380 Geography of Arkansas **[UD UCA Core: D]**
GEOG 4390 Historical Geography of the US **[UD UCA Core: D]**

Plus 12 hours of upper-level geography electives.

[3.1.1] Major in Geography: Geospatial Technology Concentration (39 hours)

Required Courses (30 hours)

GEOG 1400 Earth Systems Science **[LD UCA Core: I]** **[ACTS: PHSC1104]**
GEOG 1320 Human Geography **[LD UCA Core: D]** **[ACTS: GEOG1113]**
GEOG 2330 Quantitative Methods in Geography
GEOG 2331 Research Methods in Geography
GEOG 2475 Cartography
GEOG 3306 Introduction to Remote Sensing and Image Interpretation
GEOG 3403 Geographic Information Systems **[UD UCA Core: I]**
GEOG 3404 Geographic Information Analysis
GEOG 4391 Research Seminar **[UD UCA Core: Z]**

Choose one of the regional classes (3 hours)

GEOG 3315 Geography of Latin America **[UD UCA Core: D, C]**
GEOG 3335 Geography of Europe and Russia **[UD UCA Core: D]**
GEOG 3345 Geography of China and East Asia **[UD UCA Core: D]**
GEOG 3380 Geography of Arkansas **[UD UCA Core: D]**
GEOG 4390 Historical Geography of the US **[UD UCA Core: D]**

Choose one of the upper-level geography GIS-electives from the following choices (3 hours)

GEOG 3319 Geographic Field Techniques
GEOG 4307 Locational Analysis and Decision Making with GIS
GEOG 4309 GIS in Practice: Environmental Application

Plus 3 hours of upper-level geography electives.

[3.1.2] Minor in Geography (22 hours)

Required courses (10 hours)

GEOG 1400 Earth Systems Science **[LD UCA Core: I]** **[ACTS: PHSC1104]**
GEOG 1320 Human Geography **[LD UCA Core: D]** **[ACTS: GEOG1113]**
GEOG 2475 Cartography

Choose one of the regional classes (3 hours)

GEOG 3315 Geography of Latin America **[UD UCA Core: D, C]**
GEOG 3335 Geography of Europe and Russia **[UD UCA Core: D]**
GEOG 3345 Geography of China and East Asia **[UD UCA Core: D]**
GEOG 3380 Geography of Arkansas **[UD UCA Core: D]**
GEOG 4390 Historical Geography of the US **[UD UCA Core: D]**

Plus 9 hours of upper-division geography electives

[3.1.3] Minor in Geographic Information Science (22 hours)

Required Courses (19 hours)

GEOG 1400 Earth Systems Science **[LD UCA Core: I]** **[ACTS: PHSC1104]**
GEOG 1320 Human Geography **[LD UCA Core: D]** **[ACTS: GEOG1113]**
GEOG 2330 Quantitative Methods in Geography
GEOG 2475 Cartography
GEOG 3306 Introduction to Remote Sensing and Image Interpretation
GEOG 3403 Geographic Information Systems **[UD UCA Core: I]**

Choose one of the upper-level geography GIS electives from the following choices (3 hours)

GEOG 3404 Geographic Information Analysis
GEOG 3319 Geographic Field Technicians
GEOG 4307 Locational Analysis and Decision Making with GIS
GEOG 4309 GIS in Practice: Environmental Applications

NOTE: A Geospatial Concentration geography major may not minor in geographic information science.

[4] Courses in Geography (GEOG)

Follow this link for GEOG course descriptions: course link.

Department of Mathematics

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-mathematics/

Chair and Professor: R. Garimella (PhD), 450-3147
Professor: D. Arrigo (PhD), C. Pinchback (PhD)
Associate Professor: G. Bratton (EdD), P. Carmack (PhD), F. Hickling (PhD), L. Le (PhD), W. Liu (PhD), J. McGehee (PhD), B. Rathinasamy (PhD), C. Watson (EdD)

Assistant Professor: J. Beyerl (PhD), J. Martin (PhD), J. Nakarmi (PhD), N. Sahin (PhD)
Lecturer II: L. Booher (MA)

[1] Purposes

Through programs in mathematics, applied mathematics, and mathematics education, the undergraduate mathematics curriculum furnishes the necessary background for specialization in technical fields, graduate study in mathematics, teaching mathematics at elementary, middle, and secondary levels, and work in business, industry, and government.

[2] Advanced Placement

The Department of Mathematics awards advanced placement credit to students who score at a certain level on the College Board Advanced Placement Examination. Credit for Calculus I is awarded to any student who scores three or higher on the Calculus AB exam. Credit for Calculus I and Calculus II is awarded to any student who scores three or higher on the Calculus BC exam. Credit for Statistical Methods I (MATH 2311) is awarded to any student who scores three or higher on the AP Statistics exam.

[3] Honors in Mathematics

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Junior and senior students who have demonstrated superior achievement in all areas, particularly in their mathematics major, may be invited to participate in the Honors in Mathematics program. These students engage in investigations in special topics while enrolled in a special problems or research course. The successful completion of these research studies and the recommendation of the department committee (based on written and oral presentation of thesis) make a student eligible to graduate with Honors in Mathematics.

[4] Baccalaureate Degrees

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Jump to a program on this page:
Degrees: BA, Mathematics | BS, Mathematics
BS Tracks: Pure Math | Applied Math | STEMteach Math Ed | STEMteach Pure Math | STEMteach Applied Math | Data Science
Minor Programs: Minor in Math | Minor in Statistics

[4.1] Bachelor of Arts

The Bachelor of Arts degree with a major in mathematics requires successful completion of at least 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core

requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) BA degree requirements; (3) major requirements listed below; and (4) a minor approved by the student's minor advisor.

[4.1.1] Major in Mathematics (39 hours)

BA Mathematics Core (21 hours)

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2335 Transition to Advanced Mathematics
MATH 2471 Calculus III
MATH 3320 Linear Algebra **[UD UCA Core: I]**
MATH 4371 Introduction to Probability Theory **[UD UCA Core: R]**

Required Courses (12 hours)

MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 3360 Introduction to Rings and Fields
MATH 3362 Introduction to Group Theory
MATH 4362 Advanced Calculus I **[UD UCA Core: Z]**

Choose Two Electives (6 hours)

MATH 3391 Non-Parametric Statistics
MATH 3392 Multivariant Analysis
MATH 4305 Ordinary Differential Equations II
MATH 4306 Modeling and Simulation **[UD UCA Core: Z]**
MATH 4315 Partial Differential Equations
MATH 4316 Fundamentals of Applied Math for Fluid & Granular Materials
MATH 4330 Mathematical Modeling in Biology
MATH 4340 Numerical Methods
MATH 4363 Advanced Calculus II
MATH 4372 Introduction to Statistics Inference
MATH 4373 Regression Analysis
MATH 4374 Introduction to Stochastic Processes
MATH 4375 Introduction Topology I
MATH 4385 Complex Analysis
MATH 4391 Machine Learning

BA Degree Requirement: Complete three semester hours of a foreign language at the 2000-level or above.

[4.1.2] Minor in Mathematics (17 hours)

See Minors, § 4.3, below.

[4.2] Bachelor of Science

The Bachelor of Science degree with a major in mathematics requires successful completion of at least 120 hours including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core

requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) major requirements listed below; and (3) a minor approved by the student's minor advisor.

The BS Program in Mathematics at the University of Central Arkansas is designed to meet the needs of students who pursue careers in teaching, business, government, and advanced studies. Several tracks in Pure, Applied, STEM Teach Mathematics Education, STEM Teach Pure Math, and STEM Teach Applied Math offer students a variety of pathways to achieve their educational and career goals.

[4.2.1] BS Mathematics Core Requirements (21 hours)

All tracks of the BS in Mathematics require completion of a 21-hour core consisting of the following courses.

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2335 Transition to Advanced Mathematics [See Note 1.]
MATH 2471 Calculus III
MATH 3320 Linear Algebra **[UD UCA Core: I]**
MATH 4371 Introduction to Probability Theory **[UD UCA Core: R]**

Note 1:

MATH 2335 is not required for students in the Data Science track.

[4.2.2] Pure Mathematics Track (39 hours)

This is a standard pure math track, offering excellent preparation that integrates critical thinking and problem solving and culminates in a mastery of mathematical skills needed to succeed in careers in business, government, industry, or advanced studies. This track requires a minor.

In addition to the mathematics core, this track needs the following:

Required Courses (12 hours)

MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 3360 Introduction to Rings and Fields
MATH 3362 Introduction to Group Theory
MATH 4362 Advanced Calculus I **[UD UCA Core: Z]**

Choose Two Electives (6 hours)

MATH 4305 Ordinary Differential Equations II
MATH 4306 Modeling and Simulation **[UD UCA Core: Z]**
MATH 4315 Partial Differential Equations
MATH 4316 Fundamentals of Applied Mathematics for Fluid and Granular Materials
MATH 4330 Mathematical Modeling in Biology
MATH 4340 Numerical Methods
MATH 4363 Advanced Calculus II
MATH 4372 Introduction to Statistics Inference
MATH 4373 Regression Analysis

MATH 4374 Introductions to Stochastic Processes
MATH 4375 Introduction Topology I
MATH 4385 Complex Analysis

[4.2.3] Applied Mathematics Track (49-51 hours)

This is a standard applied math track, offering excellent preparation that integrates technology, critical thinking, and problem solving and culminates in a mastery of mathematical skills needed to succeed in careers in business, government, industry, or advanced studies. Students pursuing this track should choose PHYS 1440, PHYS 1441, or CHEM 1450 to satisfy the UCA Core physical science requirement. This could help reduce the ancillary requirements, given below, by four credit hours. A student in this track who chooses the economics minor will automatically satisfy the ancillary requirements by taking ECON 2320 and ECON 2321.

This track requires a minor.

In addition to the mathematics core, this track needs the following:

Required Courses (16 hours)

MATH 2441 Mathematical Computation
MATH 3311 Statistical Methods
MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 4306 Modeling and Simulation **[UD UCA Core: Z]**
MATH 4315 Partial Differential Equations **OR** MATH 4340 Numerical Methods **OR** MATH 4373 Regression Analysis

Choose Two Electives (6 hours)

MATH 3360 Introduction to Rings and Fields
MATH 3362 Introduction to Group Theory
MATH 4305 Ordinary Differential Equations II
MATH 4315 Partial Differential Equations
MATH 4316 Fundamentals of Applied Mathematics for Fluid and Granular Materials
MATH 4330 Mathematical Modeling in Biology
MATH 4340 Numerical Methods
MATH 4362 Advanced Calculus I
MATH 4363 Advanced Calculus II
MATH 4373 Regression Analysis
MATH 4374 Introduction to Stochastic Processing
MATH 4385 Complex Analysis

Ancillary Requirements (6–8 hours)

PHYS 1410 and 1420 **OR**
PHYS 1441 and 1442 **OR**
CHEM 1450 and 1451 **OR**
ECON 2320 and 2321

[4.2.4] STEMteach Mathematics Education Track (49 hours)

This is a standard mathematics education track, offering excellent preparation for middle or high school teacher licensure in mathematics. This track requires the 26-hour STEMteach minor. This program integrates technology, critical thinking and problem solving, and internship experiences and culminates in a mastery of mathematical skills needed to succeed as a middle or secondary school teacher.

In addition to the mathematics core, this track requires the following:

Required Courses (28 hours)

MATH 2441 Mathematical Computation
MATH 3360 Introduction to Rings and Fields
MATH 3354 Concepts of Discrete Mathematics **OR** MATH 2330 Discrete Structures I
MATH 3370 Mathematics in Secondary Schools
MATH 4301 Secondary Mathematics Methods **[UD UCA Core: C]**
MATH 4313 Functions and Modeling
MATH 4345 College Geometry
MATH 4372 Introduction to Statistical Inference **OR** MATH 3311 Statistical Methods
MATH 4350 Introduction to the History of Mathematics **[UD UCA Core: D]**

[4.2.5] STEMteach Pure Mathematics Track (42 hours)

The degree plans for candidates in this track offer the same rigorous preparation for graduate or professional schools and will not take any longer to complete than the regular pure mathematics track and will provide mathematics majors an extra career opportunity in teaching. Two electives needed in the regular pure mathematics track will be replaced by MATH 4345 and MATH 4372. A 3-credit hour course, MATH 4313 Functions and Modeling, has been added to the track. However, the number of hours required to complete this new track will be within the 120 hours as mandated by Arkansas Act 747. The track requires the STEMteach minor.

In addition to the mathematics core, this track requires the following:

Required Courses (21 hours)

MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 3360 Introduction to Rings and Things
MATH 4313 Functions and Modeling
MATH 4345 College Geometry
MATH 4350 Introduction to the History of Mathematics **[UD UCA Core: D]**
MATH 4362 Advanced Calculus I **[UD UCA Core: Z]**
MATH 4372 Introduction to Statistical Inference

[4.2.6] STEMteach Applied Mathematics Track (49–51 hours)

The degree plans for candidates in this track offer the same rigorous preparation for graduate or professional schools and will not take any longer to complete than the regular applied mathematics track and will provide mathematics majors an extra career opportunity in teaching. It will replace one of the two electives needed in the Applied Mathematics track with MATH 4345 and restricts the other elective to one of three courses – MATH 4315 or MATH 4340 or MATH 4373. A 3-credit

hour course, MATH 4313 Functions and Modeling, has been added to the track. However, the number of hour required to complete this new track will be within the 120 hours as mandated by the Arkansas Act 747. The track requires the STEMteach minor.

In addition to the mathematics core, this track needs the following:

Required Courses (22 hours)

MATH 2441 Mathematical Computation
MATH 3311 Statistical Methods
MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 4306 Modeling and Simulation **[UD UCA Core: Z]**
MATH 4313 Functions and Modeling
MATH 4345 College Geometry
MATH 4350 Introduction to the History of Mathematics **[UD UCA Core: D]**

Ancillary Requirements (6–8 hours)

PHYS 1410 and 1420 **OR**
PHYS 1441 and 1442 **OR**
CHEM 1450 and 1451 **OR**
ECON 2320 and 2321

Note: Students who prefer to take either physics or chemistry courses listed above to fulfill their ancillary requirements will need to enroll in either PHYS 1410, PHYS 1441, or CHEM 1450 to satisfy one of their Natural Sciences requirement in the UCA Core to be within the 120 hours to graduate as mandated by Arkansas Act 747.

[4.2.7] Data Science Track (52 hours)

Over the last two decades, computing speed, memory, and storage has risen dramatically. Even small businesses have started collecting and analyzing metrics to streamline their processes, identify emerging markets, and make financial forecasts. As a result, there is a huge demand for data analysts both in private and public sectors.

The Data Science track prepares students to meet this demand by equipping them with the computing, statistical, analytical, and business skills needed in the field of data science. This mixed toolset enables students to analyze a wide variety of data sets using appropriate statistical methods, and to convey their findings in plain English so that the business analysts can make well-informed decisions. This track requires a minor (a minor in computer science is recommended).

In addition to 18 hours of mathematics core courses, this track requires the following:

Required Data Science Track Courses (22 hours)

MATH 2441 Mathematical Computation
MATH 3311 Statistical Methods
MATH 4373 Regression Analysis
MATH 3391 Non-Parametric Statistics
MATH 3392 Multivariate Analysis
MATH 4391 Machine Learning
MATH 4395 Practicum in Data Science

Electives (6 hours required, chosen from this list)

MATH 4372 Introduction to Statistical Inference
MATH 4374 Introduction to Stochastic Processes
MATH 4392 Time Series and Forecasting
MATH 4381 Special Topics (may be taken more than once if topics differ)

Ancillary Requirement (6 hours)

MIS 4355 Project Management
MIS 4380 Business Intelligence

Minor: Computer Science is strongly encouraged.

[4.3] Minors

[4.3.1] Minor in Mathematics (17 hours)

EITHER

Required courses (14 hours)

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2335 Transition to Advanced Mathematics
MATH 3360 Introduction to Rings and Fields

Choose one Elective (3 hours)

MATH 2471 Calculus III
MATH 3320 Linear Algebra **[UD UCA Core: I]**
MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 3362 Introduction to Group Theory
MATH 4340 Numerical Methods
MATH 4371 Introduction to Probability Theory **[UD UCA Core: R]**
MATH 4375 Introduction Topology I
MATH 4385 Complex Analysis

OR

Required Courses (11 hours)

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 3320 Linear Algebra **[UD UCA Core: I]**

Choose two Electives (6 hours)

MATH 2471 Calculus III
MATH 3331 Ordinary Differential Equations I **[UD UCA Core: C]**
MATH 3360 Introduction to Rings and Fields (Prerequisite: MATH 2335)
MATH 3362 Introduction to Group Theory
MATH 4305 Ordinary Differential Equations II
MATH 4340 Numerical Methods

MATH 4371 Introduction to Probability Theory **[UD UCA Core: R]**
MATH 4375 Introduction Topology I
MATH 4385 Complex Analysis

[4.3.2] Minor in Statistics (18 hours)

Required Courses (18 hours)

MATH 2311 Elementary Statistics
MATH 3311 Statistical Methods
MATH 3320 Linear Algebra (Prerequisite: MATH 1497) **[UD UCA Core: I]**
MATH 4371 Introduction to Probability Theory (Prerequisite: MATH 1497) **[UD UCA Core: R]**
MATH 4372 Introduction to Statistical Inference
MATH 4373 Regression Analysis

[5] Graduate Degrees in Mathematics

See *Graduate Bulletin*.

[6] Course Links

[6.1] Courses in Mathematics (MATH)

Follow this link for MATH course descriptions: course link.

[6.2] Transitional Courses in Mathematics (UNIV)

See University College Courses for transitional courses in mathematics.

Department of Physics and Astronomy

URL: http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-physics-and-astronomy/

Chair and Associate Professor: C. Frederickson (PhD), 450-5900
Professor: S. Addison (PhD), D. Burris (PhD), R. Mehta (PhD), W. Slaton (PhD)
Associate Professor: S. Austin (PhD), N. Gaiser (PhD), A. Mason (PhD), A. Walker (PhD)
Assistant Professor: B. Menon (PhD),
Senior Lecturer: N. Austin (MS)

[1] Purposes

Curricula offered by the Department of Physics and Astronomy serve two main purposes: first, to contribute to the knowledge and awareness of non-science students in order to prepare them to appreciate and understand the nature of the physical world and how science operates to achieve comprehension of the physical world; second, to prepare science students for graduate study or the workplace. A range of courses designed for the physics major are offered to establish a broad and secure foundation in any of several disciplines in the field.

To jump to a particular program of study, use these links:

Degree Programs: Physics | General Science
Physics Core and Tracks: Physics Core | Physics | Biological Physics | Chemical Physics | Mathematical Physics | Physical Science | Engineering Physics
Minors: Physics | Physical Science

[2] Honors in Physics

[Jump to Recognition of Academic Achievement for general information about Honors in the Majors.]

Junior and senior students with appropriate grade point averages and having the consent of the department may be allowed to participate in a program that, when successfully completed, will allow them to graduate with Honors in Physics. This program will consist of not less than two semesters of research in physics or astronomy and the writing and oral defense of an honors thesis.

[3] Bachelor of Science

[3.1] Major in Physics

A physics degree is an excellent preparation for much more than a career in physics. The technical expertise and cognitive skills acquired in earning a physics degree are valuable in many endeavors.

The BS in physics makes the advantages of a physics degree available to a wide range of students. The program allows the student to choose one of a number of tracks to fit his or her interests and goals. The tracks are physics, biological physics, chemical physics, mathematical physics, physical science, and engineering physics.

A BS degree with a major in physics requires the successful completion of 120 hours (126 hours for the engineering physics track) including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) major requirements listed below; and (4) a minor, if required, to be worked out with the student's minor advisor.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[3.1.1] Physics Core Requirements (34 hours)

All tracks of the BS in physics program—with the exception of the engineering physics track—require completion of a 34-hour core, consisting of 19 hours of physics, and 12 hours of mathematics, and 3 hours of writing.

Physics Core courses

PHYS 1441 University Physics 1*
PHYS 1442 University Physics 2*
PHYS 2443 University Physics 3*
PHYS 3210 Experiments in Physics 1
PHYS 3220 Experiments in Physics 2
PHYS 4111 Senior Capstone 1
PHYS 4211 Senior Capstone 2 **[UD UCA Core: Z]**

*For tracks other than the physics track, the University Physics course sequence may be replaced by the College Physics course sequence:
PHYS 1410 College Physics 1
PHYS 1420 College Physics 2
PHYS 2430 College Physics 3

Physics Core mathematics courses

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 Calculus III

Physics Core writing course

WRTG 3310 Technical Writing **[UD UCA Core: C]**

Completion of the physics core will partially satisfy the Upper-Division (UD) UCA Core. Though students may choose any upper-division courses with the appropriate designations, it is suggested that they consider one of two courses to satisfy the balance of the UD UCA Core:

PHIL 3320 Ethics **[UD UCA Core: I, R]** offered spring semester of odd years
or
PHIL 3325 Political Philosophy **[UD UCA Core: I, R]** offered spring semester of even years

[3.1.2] Physics Track (67 hours)

This is the traditional physics track, offering excellent preparation both for those planning a physics- or astronomy-related career, including graduate school, and for those desiring a physics degree for entry into other fields, such as engineering. The program is flexible and can be tailored to the needs and interests of the individual student by using electives, of which at least 6 hours are required. The student's advisor will work closely with the student to achieve the optimal curriculum for the student.

For a suggested sequence of courses, please contact the department chair or consult the Academic Map for the track (see links for the appropriate year at the Academic Maps site).

In addition to the physics core, the following courses are required:

Physics courses in addition to the physics core

PHYS 2320 Introduction to Computational Physics
PHYS 3341 Mathematical Methods in Physics
PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3360 (or ENGR 3360) Electromagnetism 1

PHYS 3361 (or ENGR 3361) Electromagnetism 2
PHYS 3353 Quantum Theory 1

Major electives

Six (6) hours approved by the Department of Physics and Astronomy

Mathematics course in addition to the physics core

MATH 3331 Differential Equations

Computer Science course

CSCI 1340 Introduction to Programming

Physics hours required: 46
Mathematics hours required: 15
Computer Science hours required: 3
Writing hours required: 3

TOTAL: 67

[3.1.3] Biological Physics Track (79 hours)

The biological physics track offers a physics-centered curriculum for students planning to enter medical school. It also serves as an excellent entry into medical physics and health-related fields, including graduate study. Note: It appears that one of the best predictors for acceptance into medical school is a physics degree. This track does not require a minor.

For a suggested sequence of physics, mathematics, biology, and chemistry courses, please contact the department chair or consult the Academic Map for the track (see links for the appropriate year at the Academic Maps site).

In addition to the physics core, the following courses are required:

Physics courses in addition to the physics core

PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3345 Optics

Mathematics course in addition to the physics core

MATH 2311 Statistical Methods I
or
MATH 4371 Introduction to Probability **[UD UCA Core: R]**

Chemistry courses in addition to the physics core

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II

Biology courses in addition to the physics core

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II

BIOL 2490 Genetics
BIOL electives (8 hours) approved by the Department of Physics and Astronomy

Physics hours required: 25
Mathematics hours required: 15
Chemistry hours required: 16
Biology hours required: 20
Writing hours required: 3

TOTAL: 79

[3.1.4] Chemical Physics Track (80 hours)

The chemical physics track provides an excellent preparation for entering the chemistry-oriented industrial work force or for continued study in engineering or graduate school.

This track does not require a minor. However, the chemistry courses required by the track are more than sufficient for a minor in chemistry, and the requirements for a mathematics minor are nearly met by the mathematics courses required by the physics core and the track.

For a suggested sequence of physics, mathematics, and chemistry courses, contact the department chair or consult the Academic Map for the track (see links for the appropriate year at the Academic Maps site).

In addition to the physics core, the following courses are required:

Physics courses in addition to the physics core

PHYS 3341 Mathematical Methods in Physics
PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3360 (or ENGR 3360) Electromagnetism 1
PHYS 3361 (or ENGR 3361) Electromagnetism 2
PHYS 3353 Quantum Theory 1

Mathematics course in addition to the physics core

MATH 3331 Differential Equations **[UD UCA Core: C]**

Chemistry courses

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II
CHEM 3520 Quantitative Analysis
CHEM 4450 Physical Chemistry I

Physics hours required: 37
Mathematics hours required: 15
Chemistry hours required: 25
Writing hours required: 3

TOTAL: 80

[3.1.5] Mathematical Physics Track (79 hours)

The mathematical physics track is intended for those students who are particularly interested and strongly motivated both in physics and in mathematics. It offers an excellent preparation for graduate study in theoretical physics, mathematical physics, computational physics, applied mathematics, and engineering. This track does not require a minor.

For a suggested sequence of physics and mathematics courses, please contact the department chair or consult the Academic Map for the track (see links for the appropriate year at the Academic Maps site).

In addition to the physics core, the following courses are required:

Physics courses in addition to the physics core

PHYS 3341 Mathematical Methods in Physics
PHYS 3342 (or ENGR 3342) Mechanics
PHYS 3343 (or ENGR 3343) Thermal Physics
PHYS 3353 Quantum Theory 1
PHYS 3354 Quantum Theory 2
PHYS 3360 (or ENGR 3360) Electromagnetism 1
PHYS 3361 (or ENGR 3361) Electromagnetism 2
PHYS 4341 Advanced Mathematical Physics
PHYS 4351 Computational Physics

Mathematics courses in addition to the physics core

MATH 3331 Differential Equations **[UD UCA Core: C]**
MATH 4362 Advanced Calculus I **[UD UCA Core: Z]**
MATH 4363 Advanced Calculus II
MATH 4371 Introduction to Probability **[UD UCA Core: R]**
MATH 4385 Complex Analysis
MATH electives (3 hours) approved by the Department of Physics and Astronomy

Physics hours required: 46
Mathematics hours required: 30
Writing hours required: 3

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 but do not intend to specialize in either physics or chemistry. 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 12 hours are required—six in physics and six 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 and is an excellent choice for students interested in STEMteach.

For a suggested sequence of physics and chemistry courses, please contact the department chair or consult the Academic Map for the track (see links for the appropriate year at the Academic Maps site).

In addition to the physics core, the following courses are required:

PHYS electives

Nine (9 hours) approved by the Department of Physics and Astronomy

Chemistry courses in addition to the physics core

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM electives (3 hours) approved by the Department of Physics and Astronomy

Physics hours required: 28
Mathematics hours required: 12
Chemistry hours required: 15
Writing hours required: 3

TOTAL: 58

[3.1.7] Engineering Physics Track (92 hours)

The engineering 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 graduate school. The program is the largest of the physics tracks at a total of 126 degree hours. The courses in this track build upon each other and must be taken in the order laid out in the Academic Map. 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 a suggested sequence of courses, please contact the department chair or consult the Academic Map for the track (see links for the appropriate year at the Academic Maps site).

This track does not use the physics core listed in §3.1.1 above.

Required physics courses

PHYS 1441 University Physics 1
PHYS 1442 University Physics 2
PHYS 2443 University Physics 3
PHYS 3360 (or ENGR 3360) Electromagnetism 1
PHYS 3361 (or ENGR 3361) Electromagnetism 2

Required mathematics courses

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 Calculus III
MATH 3331 Differential Equations **[UD UCA Core: C]**

Required writing course

WRTG 3310 Technical Writing **[UD UCA Core: C]**

Required philosophy course

PHIL 3320 Ethics **[UD UCA Core: I, R]**

Required computer science courses

CSCI 1470 Computer Science I
CSCI 1480 Computer Science II

Required engineering courses

ENGR 1301 Introduction to Engineering
ENGR 2311 Statics
ENGR 2447 Electronics
ENGR 3311 Dynamics
ENGR 3410 Microcontrollers
ENGR 3447 Microelectronics
ENGR 3421 Robotics 1
ENGR 4421 Robotics 2
ENGR 4311 Senior Design 1
ENGR 4312 Senior Design 2 **[UD UCA Core: Z]**

Major elective courses

Ten (10) hours of engineering electives approved by the Department of Physics and Astronomy

Three (3) hours of physics electives approved by the Department of Physics and Astronomy

Physics hours required: 21
Mathematics hours required: 15
Computer science hours required: 8
Engineering hours required: 45
Writing hours required: 3
Philosophy hours required: 3

TOTAL: 95

[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*
PHYS 3210 **or** 3220 Experiments in Physics
PHYS 3342 (or ENGR 3342) Mechanics** The University Physics course sequence may be replaced by the College Physics course sequence:

PHYS 1410 College Physics 1
PHYS 1420 College Physics 2
PHYS 2430 College Physics 3

Electives

A minimum of 7 hours approved by the Department of Physics and Astronomy. These may include up to 3 hours of special problems.

Related requirements

MATH 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 Calculus III

[3.3] Major in General Science

See the General Science page (Interdisciplinary Programs).

[3.4] Minor in Physical Science (24 hours)

CHEM 1450 **and** 1451 **and** either 2401 **or** 3520; PHYS 1410 **and** 1420 (**or** PHYS 1441 **and** 1442), **and** either 2411 **or** 2430 (**or** 2443); MATH 1390 **and** 1392, **or** 1580, **or** equivalent. Notes: 1.) Three upper-division hours in physics or chemistry are required to meet the general requirement for a minor. 2.) PHYS 1400, 1401, and 1405 cannot be used to satisfy the minor.

[5] Course Links (PHYS, ENGR)

Follow this link for PHYS – Courses for Non-Majors course descriptions: course link.
Follow this link for PHYS – Courses for Departmental Majors course descriptions: course link.
Follow this link for ENGR course descriptions: course link.

Interdisciplinary Programs

African and African American Studies

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/african-and-african-american-studies/

Dr. Peter Mehl, Interim Dean, College of Liberal Arts, Irby 120, 450-5137
Dr. Wendy Lucas, Chair, Department of History, Irby 105B, 450-5631
Dr. Michael Kithinji, Interim Coordinator, African/African American Studies, Irby 421, 450-5650

Professor: Dr. Bailey (World Languages, Literatures and Cultures), Dr. Lamar (Music), Dr. Shumaker (English)
Associate Professor: Dr. Alston-Miller (Communication), Dr. Burley (World Languages, Literatures, and Cultures), Dr. Duncan (Philosophy and Religion), Dr. George (Sociology), Dr. Morales (Art), Dr. Matkin-Rawn (History)
Assistant Professor: Dr. Kithinji (History), Dr. Leavell (English), Dr. Epps (History)

[1] Purpose

The African and African American Studies program aims to nurture in students an understanding of the diversity that makes for human culture, an understanding that will foster respect for difference. This program is housed in the History Department and is comprised of courses taught across the UCA campus in art, communications, history, literature, music, philosophy and religion, political science, sociology, world languages, and writing. Thus, it gives students an interdisciplinary understanding of the history and cultures of Africa, the effects of colonialism and slavery on those cultures and on the United States and Caribbean nations, including the contributions of Africans to the culture of America. Giving students the ability to look at an issue from the perspectives of different disciplines is, of course, one of the most important goals of a liberal arts education, and this program accomplishes that goal while enabling students to deal with some of the questions that are most central to our development as a nation and culture. It will prepare students to work successfully in fields that require an understanding of diversity and an ability to relate to people from different cultures, two increasingly important qualifications in today's world, and qualities that are especially needed in Arkansas.

[2] Bachelor of Arts

The degree of Bachelor of Arts, with a major in African/African American Studies, requires successful completion of at least 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements; (3) major requirements; and (4) a minor.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry

R = Responsible Living
Z = Capstone Experience

[2.1] Major in African/African American Studies (37 hours)

Thirty-seven hours of interdisciplinary courses.

Introduction (3 hours)

AFAM 1330 Intro to African / African-American Studies

Literature (9 hours)

ENGL 4380 African / African-American Literature
ENGL 4381 Major African American Writers
ENGL 4382 Race in American Literature

History (9 hours, 3 of the following courses)

HIST 3353 African-American History before 1868
HIST 3354 African-American History, 1868-present
HIST 3360 Pre-Colonial African History
HIST 3365 Modern African History

Critical Analyses of Race (6 hours, 2 of the following courses)

PHIL 2360 Gender, Race, and Class Issues
PHIL 3340 Critical Theories of Race
LING 3325 Sociolinguistics
SOC 3310 Racial and Ethnic Relations

Capstone (1 hour)

AFAM 4105 Senior Interdisciplinary Capstone **[UCA Core: Z]**

Electives (9 hours, 3 of the following courses)

Any upper-division course listed above that is not used to satisfy another requirement
WLAN 2325 Issue of Cultural Identity in African Diaspora
ENGL 4362 Southern Literature and Folklore
ENGL 4304 Studies: Harlem Renaissance
HIST 4306 African Slave Trade
HIST 4355 Role of Arkansas in the Nation
HIST 4359 Civil Rights Movement
MUS 4301 Jazz: The History
RELG 3345 African American Religious Thought
SOC 4351 Family Diversity
COMM 4305 African American Rhetoric
ART 3307 Arts of Africa

[2.2] Minor in African/African American Studies (21 hours)

Twenty-one hours of interdisciplinary courses

Introduction (3 hours) required

AFAM 1330 Intro to African / African American-Studies

Literature and History Core (9 hours, 3 of the following courses. At least 3 hours in ENGL and 3 hours in HIST)

ENGL 4380 Africa / African-American Literature
ENGL 4381 Major African American Writers
ENGL 4382 Race in American Literature
HIST 3353 African-American history before 1868
HIST 3354 African-American History, 1868-present
HIST 3360 Pre-colonial African History
HIST 3365 Modern African History
HIST 4359 Civil Rights Movement
HIST 4306 Atlantic Slave Trade

Critical Analyses of Race (6 hours, 2 of the following courses)

PHIL 2360 Gender, Race, and Class Issues
PHIL 3340 African-American Philosophy
LING 3325 Sociolinguistics
SOC 3310 Racial and Ethnic Relations

Electives (3 hours, 1 of the following courses)

Any upper-division course listed above that is not used to satisfy another requirement
ART 3307 Arts of Africa
ENGL 4304 Studies: Harlem Renaissance
ENGL 4362 Southern Literature and Folklore
HIST 4355 Role of Arkansas in the Nation
MUS 4301 Jazz: The History
RELG 3345 African American Religious Thought
SOC 4351 Family Diversity
COMM 4305 African American Rhetoric
WLAN 2325 Issues of Cultural Identify in African Diaspora

[3] Course Links

Follow this link for **AFAM** course description: course link.
Follow this link for **COMM** course descriptions: course link.
Follow this link for **ENGL** course descriptions: course link.
Follow this link for **HIST** course descriptions: course link.
Follow this link for **LING** course descriptions: course link.
Follow this link for **MUS** course descriptions: course link.
Follow this link for **PHIL** course descriptions: course link.
Follow this link for **RELG** course descriptions: course link.
Follow this link for **SOC** course descriptions: course link.
Follow this link for **WLAN** course descriptions: course link.

Asian Studies Minor

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/asian-studies/

Coordinator and Assistant Professor: Z. Smith (PhD), 501-450-5633 or zsmith@uca.edu

[1] Purpose

The objective of the Asian studies minor is to provide students with an overview of the great civilizations of India, China, Korea and Japan (among others), and an appreciation of their place in the modern global community. The minor is especially recommended to students interested in exploring Asian ethical systems and aesthetics, or for those planning a career in international business, law, or communications.

[2] Requirements

The minor in Asian studies requires successful completion of the requirements listed below for a total of 18 required hours.

Asian Studies Core (9 hours, chosen from the following):

ART 2325 Asian Art Survey
ENGL 2320 Asian Literature in Global Context
HIST 2310 Introduction to Asian History
PHIL 3352 Asian Philosophy and Religion
RELG 3325 Buddhism

Electives (9 hours, chosen from the following or from the Asian Studies Core if not used to fulfill the Core requirement):

ENGL3325 Advanced Readings in World Literature (when on an Asia related topic)
CHIN 2310 Intermediate Chinese I
CHIN 2320 Intermediate Chinese II
CHIN 3300 Advanced Chinese Grammar I
CHIN 3303 Advanced Chinese Grammar II
CHIN 3312 Culture and Society: Advanced Readings on Modern Chinese
CHIN 3320 Advanced Readings in Chinese Literature
GEOG 3345 Geography of China and East Asia
GEOG 3346 Geography of South Asia
HIST 3303 Asian Civilization I
HIST 3304 Asian Civilization II
HIST 4381 Modern China
HIST 4383 Modern Japan
HIST 4386 War in the Pacific, 1931-1945
JAPN 2310 Japanese Conversation and Composition I
SOC 4395 Family and Social Relationships in China
WLAN 2315 Cultural Studies (when Asian theme is offered)

Topics courses in any Asia-related course that are deemed appropriate by the Coordinator of Asian Studies may be approved. Check with the Coordinator to see if this applies in your case **before** enrolling.

Environmental Science

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/environmental-science/

Environmental Science is an interdisciplinary program in which students follow one of the three tracks listed below. Contact the faculty advisors for further information.

Program Coordinator and Biology Track Advisor: G. Adams (PhD), (501) 450-3199
Chemistry Track Advisor: K. Dooley (PhD), (501) 450-5940
Planning and Administration Track Advisor: J. Allender (PhD), (501) 450-5636

[1] Purposes

The interdisciplinary Environmental Science Program at UCA is designed to provide students the opportunity to assess the complexity of environmental problems and find solutions to these problems within the context of the natural (biological, chemical, and physical) and social (politics, economics) sciences. This program prepares students for careers in federal and state government agencies, such as the U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, U.S. Geological Survey, State Game and Fish Commission, and State Department of Environmental Quality. Graduates of UCA's environmental science program are also competitive for positions in private industry (consulting, corporate environmental compliance, laboratory technicians) and postgraduate academic programs (MS, PhD, or law school).

[2] Baccalaureate Degree: Bachelor of Science

The bachelor of science degree, with a major in Environmental Science, requires successful completion of a minimum of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) BS degree requirements; and (3) the major requirements listed below. A minor is not required.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[2.1] Common Core for All Environmental Science Majors (34 hours)

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
GEOG 1400 Earth Systems Science **or** SCI 3410 Earth Science
GEOG 3301 Conservation of Natural Resources **[UD UCA Core: R]**
ENVR 3410 Environmental Theory and Application **[UD UCA Core: D, C]**

PSCI 3320 Environmental Politics **[UD UCA Core: I, R]**
ENVR 4410 Environmental Practicum **[UD UCA Core: Z]**

[2.2] Biology Track (50 hours)

The biology track emphasizes ecology, conservation biology, and environmental toxicology. Students are instructed in biological specialties that will provide them with a basis for assessing the impact of human activities on ecosystems and organisms. The biology track requires additional chemistry because of the importance of understanding the effect of chemical pollution on living systems.

Biology Track Requirements (19 hours)

BIOL 2490 Genetics
BIOL 3403 General Ecology **[UD UCA Core: I]**
CHEM 2401 Organic Chemistry I
MATH 1491 Applied Calculus for the Life Sciences **or** MATH 1496 Calculus I
Choose one of the following statistics course: MATH 2311, PSCI 2312 , PSYC 2330, SOC 2321

Choose two of the following taxonomic courses (8 hours)

NOTE: These courses cannot be from the same taxonomic grouping (vertebrate, invertebrate, plant)

BIOL 3410 Vertebrate Zoology
BIOL 4401 Invertebrate Zoology
BIOL 4404 Plant Taxonomy
BIOL 4406 Mammalogy
BIOL 4407 Ornithology
BIOL 4410 Biology of Lower Plants and Fungi
BIOL 4418 Biology of the Reptilia
BIOL 4440 Entomology
BIOL 4455 Ichthyology
BIOL 4461 Parasitology

Choose two of the following theory courses (8 hours)

BIOL 3390 and 3190 Economic Botany and Lab
BIOL 4415 Evolution
BIOL 4428 Animal Physiological Ecology
BIOL 4435 Animal Behavior **[UD UCA Core: Z]**
BIOL 4442 Restoration Ecology **[UD UCA Core: Z]**
BIOL 4445 Biometry
BIOL 4450 Plant Ecophysiology **[UD UCA Core: Z]**
BIOL 4470 Biology of Seed Plants
ENVR 4465 Environmental Toxicology **[UD UCA Core: Z]**

Biology Track Electives (15 hours)

ANTH 3340 Environmental Anthropology
BIOL 3X45 Internship
BIOL 3360 Introduction to Marine Biology
BIOL 3420 General Microbiology

BIOL 4450 Plant Ecophysiology **[UD UCA Core: Z]**
CHEM 3520 Quantitative Analysis
CHEM 4451 Environmental Chemistry
GEOG 2475 Cartography
GEOG 3403 Geographic Information Systems **[UD UCA Core: I]**
GEOG 3306 Remote Sensing and Image Interpretation
GEOG 3309 GIS in Practice: Environmental Applications
GEOG 3318 Biogeography
GEOG 3385 Global Food Resources
GEOG 4304 Water Resources **[UD UCA Core: R]**
GEOG 4305 Soils
GEOG 4308 Oceanography
GEOG 4330 Geographic Information Analysis
HIST 4301 American Environmental History

[2.3] Chemistry Track (51 hours)

The emphasis of the chemistry track is to give students an appreciation for the critical balance of natural chemical phenomena and the perturbations induced by pollution. The environmental science core courses provide the chemistry track student a context in which environmental chemistry work is conducted and aid in understanding the importance of the chemical and biological data on which policy decisions are based.

Chemistry Track Requirements (41 hours)

CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II
CHEM 3520 Quantitative Analysis
CHEM 4351 Environmental Chemistry
CHEM 4152 Environmental Chemistry Laboratory
CHEM 3211 Organic Spectroscopy
CHEM 4451 Advanced Analytical
PHYS 1410 College Physics 1 **or** PHYS 1441 University Physics 1
PHYS 1420 College Physics 2 **or** PHYS 1442 University Physics 2
MATH 1496 Calculus I
MATH 1497 Calculus II

Chemistry Track Electives (10 hours from the following)

CHEM 3360 Intermediate Inorganic Chemistry
CHEM 4320 Biochemistry I
CHEM 4335 Biochemistry II
CHEM 4450 Physical Chemistry I
CHEM 4460 Physical Chemistry II
CHEM 4380 Advanced Inorganic
CHEM 3150 Advanced Inorganic Lab
BIOL 3403 General Ecology (recommended) **[UD UCA Core: I]**
ENVR 4465 Environmental Toxicology **[UD UCA Core: Z]**
GEOG 3301 Conservation of Natural Resources

GEOG 4304 Water Resources **[UD UCA Core: R]**
GEOG 4305 Soils
ECON 3330 Environmental Economics **[UD UCA Core: R]**

A maximum of **2 credit hours of research** in physics, chemistry, mathematics, biology, or computer science.
Eight (8) credit hours applied to a minor in mathematics, biology, physics, or geography.

[2.4] Planning and Administration Track (50 hours)

The Planning and Administration track is intended to bridge the gap between scientists gathering environmental data and administrators who formulate and implement programs and policies. This track will train students to work with numerous experts from diverse fields, to synthesize various and often conflicting perspectives, and to arrive at viable and practical solutions. Students will also learn to communicate scientific research to audiences as diverse as government agencies, citizen committees, corporate decision-makers, and the general public.

Employment for graduates may be found in both public and private agencies with environmental concerns. An especially effective and marketable skill developed in this track is the use of Geographic Information Systems (GIS), which allows scientists and planners to map, analyze, and even predict environmental data based on location. The Planning and Administration track requires the completion of the Environmental Sciences common core curriculum (33 hours), plus required courses for the track (33 hours) and electives for the track (17 hours).

Note: Planning and Administration track curriculum is currently undergoing a review. Be sure to consult the track's Academic Map and your academic advisor for current information about appropriate course selection and sequencing.

Planning and Administration Track Required Courses (33 hours)

BIOL 3403 General Ecology **[UD UCA Core: I]**
GEOG 2475 Cartography
GEOG 3403 Geographic Information Systems **[UD UCA Core: I]**
GEOG 3318 Biogeography
GEOG 3325 Urban and Regional Planning **[UD UCA Core: R]** **or** PSCI 4351 Community and Regional Planning
HIST 4301 American Environmental History **[UD UCA Core: I, R]**
PSCI 3360 Public Administration
MIS 2343 Desktop Decision Support Technologies
WRTG 3310 Technical Writing **[UD UCA Core: C]**
Statistic course (choose one of the following): GEOG 2330, MATH 2311, PSCI 2312, PSYC 2330, SOC 2321

Planning and Administration Track Electives (17 hours)

Any of the courses in the Biology or Chemistry emphasis areas and most math or physics courses with consent of program director

ANTH 3340 Environmental Anthropology
ANTH 4395 Sustainability Studies

ECON 3330 Environmental Economics **[UD UCA Core: R]**
GEOG 3306 Remote Sensing and Image Interpretation
GEOG 3307 GIS in Practice: Business and Social Science Applications
GEOG 3309 GIS in Practice: Environmental Applications
GEOG 3320 Field Studies
GEOG 3325 Urban and Regional Planning **[UD UCA Core: R]**
GEOG 3399/3699 Internship in Geography
GEOG 3333 Geography of Natural Hazards **[UD UCA Core: R]**
GEOG 3351 Weather and Climate
GEOG 3361 Landforms
GEOG 3371 Urban Geography **[UD UCA Core: I]**
GEOG 4304 Water Resources **[UD UCA Core: R]**
GEOG 4305 Soils
GEOG 4308 Oceanography
GEOG 4313 Recreation and Tourism **[UD UCA Core: I, R]**
GEOG 4330 Geographic Information Analysis
GEOG 4160/4260/4360 Special Problems in Geography
H ED 4303 Environmental Health Problems
MIS 3321 Managing Systems and Technology **[UD UCA Core: R]**
MIS 3322 Introduction to Minicomputers
MIS 3328 Systems Analysis and Design **[UD UCA Core: C]**
MIS 4350 Information Systems Technology
PHIL 3395 Environmental Ethics
PSCI 2340 State and Local Government
PSCI 3350 Interest Groups and Money in Politics
PSCI 3365 Intergovernmental Relations
PSCI 3372 Political Behavior
PSCI 3375 American Judicial System
PSCI 4300 Constitutional Law **[UD UCA Core: I]**
PSCI 4336 City Governments and Politics
PSCI 4351 Community and Regional Planning
PSCI 4375 Intergovernmental Relations **[UD UCA Core: C]**
PSCI 4391 Government Budgeting
PSCI 4199/4299/439/4499 Studies in Political Science
SOC 3340 Urban Sociology
SOC 4301 Social Movements and Social Change
SOC 4321 Social Policy Analysis
SOC 4341 Population
SOC 4343 Health Strategies for Multicultural Populations

[3] Course Links

Follow this link for ENVR course descriptions: course link.
See the Courses Index for other courses.

Gender Studies Minor

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/gender-studies/

Director, T. Duncan (PhD), Associate Professor of Philosophy and Religion
Irby Hall 118
Phone: (501) 852-2641
E-mail: tduncan@uca.edu

[1] Purpose

The gender studies minor allows students to examine such issues as the biological and social bases of gender, changes in conceptions of gender over time, and the impact of gender on both society and individual lives. It is designed to enrich understanding of gender issues for both men and women through a cross-disciplinary perspective. Students will critically examine a broad range of gender categories to investigate topics in sexuality, social life, politics and culture, the world of work, literature, the arts, philosophy and religion. The minor encourages in students a spirit of inquiry that will prepare them to function effectively and as integrated human beings in a diverse and rapidly evolving society in which gender differences play an increasingly important part. It is recommended for all students pursuing careers in education, journalism, business, public affairs, the arts, the humanities and the social sciences.

[2] Requirements

Eighteen hours of course work are required, chosen from the following; at least one course must be taken from each area.

Area 1, Biological Perspectives (minimum of 3 hours)

BIOL 2405 Human Anatomy and Physiology (prerequisite BIOL 1400 or BIOL 1440)
H ED 3305 Human Sexuality
H ED 4395 Contemporary Health Concerns – Women
H ED 4396 Contemporary Health Concerns – Men

Area 2, Humanities (minimum of 3 hours)

ART 3365 Women in Art
ENGL 3315 Gender and Language
ENGL 3325 Advanced Readings in World Literature (gender topic)
ENGL 4304 Studies in English and American Literature (gender topic)
HIST 4308 American Women's History
HIST 4309 Women in European History
PHIL 2360 Gender, Race, and Class: Philosophical Issues
PHIL 3343 Philosophy of Sex and Love
PHIL 3345 Feminist Philosophy
RELG 3330 Religion and Gender

Area 3, Social and Behavioral Perspectives (minimum of 3 hours):

ECON 4380 Seminar in Economics (gender topic)
PSYC 2370 Developmental Psychology (prerequisite: PSYC 1300)
PSYC 3350 Psychology of Women (prerequisite: 6 hours of psychology)

SOC 3350 Marriages and Family or SOC 4351 Family Diversity (prerequisite: SOC 1300)
SOC 3361 Gender Roles (prerequisite SOC 1300)
SOC 4342 Stratification (prerequisite SOC 1300)
COMM 3303 Gender Communication
COMM 3307 Interpersonal Communication

General Science

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/general-science/

Advisor: Dr. Menon, 450-5900

[1] Purpose

The general science program is designed for students planning to enter interdisciplinary fields; to enter medicine, public health, dentistry, veterinary medicine, optometry, or other allied health fields; or to undertake other programs requiring a general scientific background. Students who intend to do graduate work in a specific scientific field are advised to major in that field.

[2] Baccalaureate Degree: Bachelor of Science

The bachelor of science degree, with a major in General Science, requires successful completion of a minimum of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) BS degree requirements; (3) major requirements listed below; and (4) a minor approved by the student's minor advisor (the following minors may not be used with the general science major: biology, chemistry, physics, physical science).

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

Courses required for the BS in General Science might not satisfy the UCA Upper Division Core requirements. Students may choose any upper-division courses with the appropriate designations (C, D, I and R) to satisfy these requirements. It is recommended that they consider courses in their minor to satisfy the Upper Division Core. There is currently no Capstone Course in the General Science BS program. Students must take a capstone experience course (courses designated with a Z in the bulletin) as part of their minor or complete the prerequisites necessary to enroll in the capstone experience course in biology, chemistry or physics.

[2.1] Major in General Science

The basis of the General Science BS consists of a three-semester sequence of courses in each of Biology, Chemistry, and Physics.

Required courses

BIOL 1440 Principles of Biology I
BIOL 1441 Principles of Biology II
BIOL 2490 Genetics

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry **or** CHEM 3520 Quantitative Analysis

PHYS 1410 College Physics I **or** PHYS 1441 University Physics I
PHYS 1420 College Physics II **or** PHYS 1442 University Physics II
PHYS 2411 College Astronomy **or** PHYS 2430 College Physics III **or** PHYS 2443 University Physics III

To complete the General Science degree requirements, student must complete either Option A **or** Option B below.

Option A (52 hours)

4 hours of BIOL electives at the 3000-level or higher
4 hours of CHEM electives at the 3000-level or higher
4 additional hours of either BIOL or CHEM electives at the 3000-level or higher (BIOL 4340, CHEM 4112, CHEM 4290, and CHEM 4301 are excluded).
MATH 1491 Applied Calculus for the Life Sciences **or** MATH 1496 Calculus I

Option B* (56 hours)

4 hours of CHEM electives at the 3000-level or higher
4 hours of PHYS electives at the 3000-level or higher
4 additional hours of either CHEM or PHYS electives at the 3000-level or higher (CHEM 4112, CHEM 4290, CHEM 4301, and PHYS 4360 are excluded).
MATH 1496 Calculus I
MATH 1497 Calculus II

* Students selecting Option B must complete PHYS 2430 **or** PHYS 2443.

Interdisciplinary Liberal Studies

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/interdisciplinary-liberal-studies/

Director: M. Mullenbach (PhD), Interim Associate Dean, College of Liberal Arts

[1] Purpose

The College of Liberal Arts offers a degree program in Interdisciplinary Liberal Studies. This program requires a foundation of core liberal studies courses and provides an opportunity for students to focus on a specific area of interdisciplinary studies or to design an individualized focus for interdisciplinary study consistent with the principles of liberal education. The program emphasizes the liberal arts as a broad area of human inquiry and the mastery of a specific area of interdisciplinary inquiry. Students who major in Interdisciplinary Liberal Studies will synthesize the

insights and methods of several different disciplines, focus on the cultivation of the arts of inquiry, and expand their power to communicate and reason.

[2] Bachelor of Arts

The degree of Bachelor of Arts, with a major in Interdisciplinary Liberal Studies, requires successful completion of at least 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); Students will need to work closely with their advisor to ensure that they satisfy the upper-division Core requirements. (2) degree requirements; (3) major requirements; All students in the ILS program complete ILS 3380, History and Principles of the Liberal Arts, a course designed specifically for the program, and they all complete ILS 4380, senior capstone interdisciplinary project. ILS 3380 will address Core goals of Critical Inquiry and Responsible Living, while the Capstone course ILS 4380 will address Critical Inquiry and Communication; and (4) a minor.

Abbreviation Key – UCA Core Program

LD = Lower Division
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R = Responsible Living
Z = Capstone Experience

[3] Admission Requirements

Students can apply to pursue a BA in Interdisciplinary Liberal Studies when they have met the requirements for admission, usually in their sophomore year. If students are interested in the Interdisciplinary Liberal Studies upon admission to the university, they should meet with the Interdisciplinary Liberal Studies degree advisor, the associate dean of the College of Liberal Arts. Students seeking to be admitted to the degree program must have completed 30 hours with a 3.0 or higher cumulative grade point average, meet with the Interdisciplinary Liberal Studies degree advisor, the associate dean of the College of Liberal Arts, and prepare an official application for admission to the program. This application outlines the student's proposed course of study and indicates a faculty advisor who agrees to work with the student. The Interdisciplinary Liberal Studies committee must approve the proposal. If the student designs a course of study with a faculty advisor it must include at least three disciplines and at least two must be in the College of Liberal Arts. Students must maintain a cumulative grade point average of at least a 3.0 in their course work toward the Interdisciplinary Liberal Studies degree.

[4] Major in Interdisciplinary Liberal Studies (48-51 hours)

[4.1] Interdisciplinary Liberal Studies Foundation (21 hours)

Choose three hours from:

GEOG 3380 Geography of Arkansas
GEOG 4390 Historical Geography of the U.S.

GEOG 3315 Geography of Latin America
GEOG 3345 Geography of China and East Asia

Plus:

HIST 2320 Introduction to Historical Research
ILS 3380 History and Principles of the Liberal Arts **[UD UCA Core: I, R]**
PHIL 2310 Introduction to Logic
PSCI 2300 Introduction to International Relations **or** PSCI 2320 Introduction to Comparative Politics

Choose 3 hours from the following:

(Note: If a WLAN course is taken as a UCA Core course, then ENGL should be taken in this category.)

ENGL 2312 American Literature I
ENGL 2313 American Literature II
ENGL 2316 English Literature I
ENGL 2317 English Literature II
ENGL 2318 English Literature III
WLAN 2315 Cultural Studies
WLAN 2325 Issues of Cultural Identity
WLAN 2350 World Languages **or** a 2320 or higher foreign language course

Choose 3 hours from the following:

SOC 2325 Social Problems
SOC 2360 Self and Society
ANTH 2300 Peoples and Cultures
RELG 2300 Religion in the United States

[4.2] Interdisciplinary Liberal Studies Concentrations (27-30 hours)

Students will work with their faculty advisor to fulfill one of two focuses or concentrations. In the first option a student pursues one of the college's interdisciplinary minors with additional courses as determined by a faculty advisor; these areas currently include Anthropology, Asian Studies, Chinese, Gender Studies, German, Latin American and Latino Studies, or Southern & Arkansas Studies. In the second option a student pursues an interdisciplinary course of study designed in consultation with a faculty advisor. In this case, the course of study must involve at least three disciplines of study and at least two must be in the College of Liberal Arts.

All students must complete the capstone course ILS 4380 **[UD UCA Core: Z]** with their faculty advisor in which they produce a final paper or project that synthesizes their course of study. This course will serve as the required UCA Core Capstone course.

Students are reminded that graduation requirements include a minimum of forty hours of upper-division courses.

Latin American and Latino Studies Minor

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/latin-american-latino-studies/

Program Director and Associate Professor: A. Reid (PhD), (501) 450-5096, areid@uca.edu, Irby 207D, Department of Languages, Linguistics, Literatures, and Cultures

[1] Advisory Committee

Dr. Alana Reid, Associate Professor and Program Coordinator
Dr. Taine Duncan, Assistant Professor of Philosophy
Dr. John Passé-Smith, Professor of Political Science
Dr. Conrad Shumaker, Professor of English
Dr. Michael Yoder, Associate Professor of Geography

[2] Purpose

Latin American and Latino Studies is an interdisciplinary program designed to provide students with an understanding of the diverse cultures and regions of Latin America and the impact of Latinos in the United States. The program offers a range of courses allowing students to study broad aspects of Latin America and more targeted classes that focus on specific histories, geographies, politics, economies, cultures, and physical environments of countries comprising the Americas. Students can also gain a better understanding of the multicultural character of U.S. society through classes that examine race, ethnicity, gender, and other aspects of diversity, and focus on the contributions and impacts of Latinos in U.S. society. Regardless of one's major, a minor in Latin American and Latino Studies will allow the student to better understand and work within a global context and appreciate the diversity found within the hemisphere.

The objectives of the Latin American and Latino Studies minor are

- To provide students with interdisciplinary experiences in Latin American and Latino studies as well as assist in developing reading, writing, and critical thinking skills;
- To promote cultural understanding and appreciation of the differences and similarities between various peoples of our hemisphere;
- To provide students with the necessary knowledge, experiences, and language skills to pursue independent study, field work, or employment opportunities anywhere in Latin America or the Caribbean, or to work with Latino populations in the United States; and
- To better understand Latino cultures and values within evolving U.S. society.

[3] Requirements

The Latin American and Latino Studies Minor consists of 18 hours. Students must take the two required courses (LALS 2300 and LALS 2310), and choose four more elective courses *when Latinos or Latin America are an essential aspect of the course*. LALS 2300 meets the UCA Core lower-division requirement for Diversity in World Cultures. LALS 2310 meets the UCA Core lower-division humanities requirement for Critical Inquiry. The four elective courses must represent at least three separate disciplines. Elective courses may meet UCA Core requirements. All credits for the minor must be unique and may not count toward a major.

Abbreviation Key – UCA Core Program

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R = Responsible Living
Z = Capstone Experience

Required Core Courses (6 hours)

LALS 2300 Latin American Cultures
LALS 2310 Latinos in the United States

Elective Courses (choose four applicable courses, representing at least 3 separate disciplines; 12 hours)

Note: Courses must be pre-approved by the Director **or** the student must present proof that coursework included a focus on Latinos or Latin America.

LALS 3300 Topics in Latin American and Latino Studies **[UD UCA Core: D, I]**

ANTH 3300 Regional Anthropology
ANTH 3360 Anthropology Travel Seminar
ANTH 4395 Special Topics in Anthropology
ART 3305 Special Topics in Art History
ART 3311 Ancient South American Art **[UD UCA Core: D]**
ART 3329 Ancient Mesoamerican Art **[UD UCA Core: D]**

ENGL 3325 Advanced Readings in World Literature **[UD UCA Core: D]**
ENGL 4370 Women's Literature **[UD UCA Core: D]**
ENGL 4382 Race in American Literature **[UD UCA Core: D]**

GEOG 3315 Geography of Latin America
GEOG 3320 Field Studies
GEOG 4360 Special Problems in Geography
GEOG 4391 Research Seminar
H ED 4343 Health Strategies for Multicultural Populations **[UD UCA Core: D]**
H ED 4365 Field Experiences in Health Education

HIST 3312 Comparative Modern Third World History **[UD UCA Core: D]**
HIST 4306 Atlantic Slave Trade **[UD UCA Core: D]**
HIST 4328 Modern Latin America **[UD UCA Core: D]**
HIST 4333 United States Immigration and Ethnic History from Colonial Times to Present **[UD UCA Core: D]**
HIST 4343 History of Mexico **[UD UCA Core: D]**
HIST 4353 Inter-American Relations **[UD UCA Core: D]**
HIST 4379 Spain: Crusade, Columbus, and Empire **[UD UCA Core: D]**
HIST 4391 Topics in History

PHIL 2360 Gender, Race & Class: Philosophical Issues
PHIL 3345 Feminist Philosophy **[UD UCA Core: D, R]**
PHIL 3395 Topics in Philosophy

PSCI 3382 Politics of Developing Nations
PSCI 4310 International Political Economy and Globalization
PSCI 4320 Revolution and Political Violence
PSCI 4325 Mexican Politics and US-Mexican Relations
PSCI 4340 Seminar Selected Topics
PSCI 4399 Studies in Political Science

SOC 2325 Social Problems
SOC 2342 Sociology of Youth
SOC 3310 Racial and Ethnic Relations **[UD UCA Core: D, R]**
SOC 3340 Urban Sociology
SOC 3361 Gender Roles **[UD UCA Core: D, R]**
SOC 3398 Travel Seminar
SOC 4343 Health Strategies for Multicultural Populations
SOC 4351 Family Diversity
SOC 4390 Selected Problems in Sociology
SOC 4395 Contemporary Social Issues

SPAN 2330 Introduction to Business Spanish
SPAN 2340 Intensive Oral Practice Abroad in Spanish
SPAN 3313 Latin-American Civilization **[UD UCA Core: D, I]**
SPAN 3315 Topics in Hispanic Studies **[UD UCA Core: D, R]**
SPAN 3321 Spanish American Literature **[UD UCA Core: D, I]**
SPAN 3330 Advanced Business Spanish
SPAN 3398 Travel Seminar Abroad
SPAN 4395 Advanced Hispanic Literature
SPAN 4396 Hispanic Studies

WLAN 2315 Cultural Studies
WLAN 2325 Issues of Cultural Identity in the African Diaspora
WLAN 3390 World Languages Internship

LANGUAGE REQUIREMENT: Three (3) semester hours of Spanish at the 2000-level or above; this will not necessarily count towards the 18 hours of electives. Please contact the Director for specific course prerequisites.

Public Scholarship and Community Engagement Minor

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/public-scholarship-and-community-engagement-minor/

[1] Purpose

The Public Scholarship and Community Engagement minor (1) teaches students critical thinking skills, (2) prepares students to write effective and persuasive plans and reports, (3) teaches students

to collaborate and work effectively in project teams to maximize performance, and (4) creates hands-on learning opportunities through real-world projects, as students help businesses and community entities develop innovative solutions to problems.

[2] Requirements

[2.1] Foundation Courses (12 hours)

PHIL 2305 Critical Thinking
SPCH 2311 Business and Professional Speaking
MGMT 2341 Principles of Management
WRTG 3310 Technical Writing

[2.2] Elective Courses (9 hours)

Three elective courses (9 hours) at the 3000- or 4000-level. These may be any 3000- or 4000-level courses, selected in consultation with the minor advisor.

Students will be encouraged to present their work at public or scholarly venues at the completion of the minor.

Religious Studies

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/religious-studies/

Director and Professor: Dr. Crockett (Philosophy and Religion), 450-5506
Professor: Dr. Barnes (History), Dr. Frontain (English), Dr. Harvey (Philosophy and Religion), Dr. Mehl (Philosophy and Religion)
Associate Professor: Dr. Brasovan (Philosophy and Religion), Dr. Deitrick (Philosophy and Religion), Dr. Duncan (Philosophy and Religion), Dr. Held (Philosophy and Religion), Dr. Lucas (History), Dr. Morales (Art)
Assistant Professor: Dr. Craun (History)
Senior Lecturer: Mr. Spivey (Philosophy and Religion)
Lecturer II: Dr. Novy (Philosophy and Religion)
Instructor: Dr. Winden Fey (Philosophy and Religion)

[1] Purposes

The goal of the interdisciplinary religious studies program is to educate the undergraduate student with an understanding of the methods and subject matter of the study of religion. Generally, the program will serve the interests of liberal education by developing in the student the skills of careful and critical reading, writing, thinking, and speaking. More specifically, the program will provide a comprehensive and clear exposure to the variety of religious expression world-wide, a critical understanding of personal, social, and cultural dimensions of religion, and a thorough preparation for students who intend to pursue graduate or professional study.

A student who majors in religious studies will have a general knowledge of the beliefs and practices of the major world religions and an in-depth knowledge of at least one major religious tradition, will be skilled in the critical analysis of religion as a cultural phenomenon and in the ability to draw connections among different historical and cultural contexts of religion, will have a general

knowledge of two different methodological approaches to the study of religion and an in-depth knowledge of at least one of these approaches, and will be well-prepared for graduate or professional study.

[2] Baccalaureate Degree: Bachelor of Arts/Bachelor of Science

The degree of Bachelor of Arts or Bachelor of Science, with a major in religious studies, requires successful completion of 120 hours, including (1) the UCA Core: complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements); (2) degree requirements for the BA or BS degree; (3) major requirements listed below; and (4) a minor as worked out with the student's minor advisor. Majors and minors are encouraged to take RELG 1320 to satisfy a UCA Core requirement.

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[2.1] Major in Religious Studies (33 hours)

Religious Studies majors are recommended to take courses in the major to satisfy their upper-division Core requirements. Students must take three hours in courses designated in each of the four Core competencies, Critical Inquiry (I), Communication (C), Diversity (D), and Responsible Living (R). However, if they so choose, students are free to fulfill their upper-division Core requirements with courses from other departments. Religious Studies majors are strongly encouraged to take their Capstone course (Z) from one of the courses designated (Z) within the Religious Studies program, but are able to fulfill their Capstone requirement from another program if necessary.

[2.1.1] Core requirements (18 hours):

Theory and Method:

RELG 3301 Theories and Methods in Religious Studies **[UD UCA Core: I, C]**

Asian Religious Traditions – one course from the following:

HIST 3303 Asian Civilization I
PHIL 3352 Asian Philosophy and Religion **[UD UCA Core: D, C]**
RELG 3325 Buddhism **[UD UCA Core: D, R]**
RELG 4305 Chinese Philosophy and Religion

Western Religious Traditions – one course from the following:

RELG 2300 Religion in the United States
RELG 3335 Judaism **[UD UCA Core: D, R]**
HIST 3320 History of Christianity I **[UD UCA Core: R]**

HIST 3321 History of Christianity II **[UD UCA Core: R]**
HIST 4387 The Islamic Middle East **[UD UCA Core: D]**

Sacred Art, Ritual, and Literature – one course from the following:

RELG 2332 Jewish Scriptures
RELG 2333 Christian Scriptures
ART 2325 Asian Art Survey
ENGL 3325 Readings: The Bible as Literature **[UD UCA Core: D]**
ENGL 4341 Milton

Religion, Culture, and Society – one course from the following:

RELG 3315 Topics in Religious Studies
RELG 3330 Religion and Gender **[UD UCA Core: D, R]**
RELG 3340 Religion, Science, and Technology **[UD UCA Core: I, C]**
RELG 3342 New and Alternative Religious Movements
SOC 4300 Sociology of Religion
ANTH 3310 Anthropology of Magic, Religion, and Witchcraft
HIST 4302 History of Witchcraft **[UD UCA Core: I, C]**

Religious Thought – one course from the following:

PHIL 3331 Philosophy of Religion
PHIL 4340 Meanings of Life **[UD UCA Core: Z]**
RELG 3320 Modern Religious Thought
RELG 3345 African American Religious Thought **[UD UCA Core: D]**
RELG 4320 Contemporary Religious Thought **[UD UCA Core: Z]**
RELG 4325 Postmodern Theology **[UD UCA Core: Z]**

[2.1.2] Electives (15 hours)

chosen from among all religious studies courses:

ANTH 3310 Anthropology of Magic, Religion, and Witchcraft
ANTH 3315 Native American Cultures
ART 2325 Asian Art Survey
ENGL 3325 Advanced Readings in World Literature **[UD UCA Core: D]**
ENGL 4341 Milton
HIST 3303 Asian Civilization I
HIST 3320 History of Christianity I **[UD UCA Core: R]**
HIST 3321 History of Christianity II **[UD UCA Core: R]**
HIST 4302 History of Witchcraft **[UD UCA Core: I, C]**
HIST 4387 The Islamic Middle East **[UD UCA Core: D]**
PHIL 2300 Existential Problems in Philosophy
PHIL 3301 Medieval Philosophy
PHIL 3303 Nineteenth-Century Philosophy
PHIL 3331 Philosophy of Religion
PHIL 3343 Philosophy of Sex and Love
PHIL 3352 Asian Philosophy and Religion **[UD UCA Core: D, C]**
PHIL 3370 Metaphysics

PHIL 4340 Meanings of Life **[UD UCA Core: Z]**
RELG 1320 World Religions *or* RELG 1330 Exploring Religion *or* PHIL 1330 World Philosophies
RELG 2300 Religion in the United States
RELG 2332 Jewish Scriptures
RELG 2333 Christian Scriptures
RELG 3315 Topics in Religious Studies
RELG 3320 Modern Religious Thought
RELG 3325 Buddhism **[UD UCA Core: D, R]**
RELG 3330 Religion and Gender **[UD UCA Core: I, R]**
RELG 3335 Judaism **[UD UCA Core: D, R]**
RELG 3340 Religion, Science and Technology **[UD UCA Core: I, C]**
RELG 3342 New and Alternative Religious Movements
RELG 3345 African American Religious Thought **[UD UCA Core: D]**
RELG 3380 Internship in Religious Studies
RELG 4305 Chinese Philosophy and Religion
RELG 4320 Contemporary Religious Thought **[UD UCA Core: Z]**
RELG 4325 Postmodern Theology **[UD UCA Core: Z]**
RELG 4330 Readings in Religious Studies
SOC 4300 Sociology of Religion

Courses taken as Religious Studies core requirements cannot satisfy elective requirements.

[2.2] The Undergraduate Scholars Program in Religious Studies

Students who major in religious studies and who demonstrate exceptional ability may be invited to enter the undergraduate scholars program. This program is designed to prepare the student for graduate work in religious studies. In addition to the courses required for a major in the area, the student must

1. Complete RELG 4300 Religious Studies Honors Tutorial;
2. Maintain a minimum 3.25 GPA overall and a 3.50 GPA in the major;
3. Complete an honors thesis in conjunction with RELG 4300; and
4. Pass an oral examination on the thesis conducted by three faculty members.

[2.3] Minor in Religious Studies (18 hours)

[2.3.1] Core requirements(18 hours):

Theory and Method:

RELG 3301 Theories and Methods in Religious Studies **[UD UCA Core: I, C]**

Asian Religious Traditions – one course from the following:

PHIL 3352 Asian Philosophy and Religion **[UD UCA Core: D, C]**
RELG 3325 Buddhism **[UD UCA Core: D, R]**
RELG 4305 Chinese Philosophy and Religion
HIST 3303 Asian Civilization I

Western Religious Traditions – one course from the following:

RELG 2300 Religion in the United States
RELG 3335 Judaism **[UD UCA Core: D, R]**
HIST 3320 History of Christianity I **[UD UCA Core: R]**
HIST 3321 History of Christianity II **[UD UCA Core: R]**
HIST 4387 The Islamic Middle East **[UD UCA Core: D]**

Sacred Art, Ritual, and Literature – one course from the following:

RELG 2332 Jewish Scriptures
RELG 2333 Christian Scriptures
ART 2325 Asian Art Survey
ENGL 3325 Readings: The Bible as Literature **[UD UCA Core: D]**
ENGL 4341 Milton

Religion, Culture, and Society – one course from the following:

RELG 3315 Topics in Religious Studies
RELG 3330 Religion and Gender **[UD UCA Core: I, R]**
RELG 3340 Religion, Science, and Technology **[UD UCA Core: I, C]**
RELG 3342 New and Alternative Religious Movements
SOC 4300 Sociology of Religion
ANTH 3310 Anthropology of Magic, Religion, and Witchcraft
HIST 4302 History of Witchcraft **[UD UCA Core: I, C]**

Religious Thought – one course from the following:

PHIL 3331 Philosophy of Religion
PHIL 4340 Meanings of Life **[UD UCA Core: Z]**
RELG 3320 Modern Religious Thought
RELG 3345 African American Religious Thought **[UD UCA Core: D]**
RELG 4320 Contemporary Religious Thought **[UD UCA Core: Z]**
RELG 4325 Postmodern Theology **[UD UCA Core: Z]**

[3]Course Links

[3.1] Courses in Religious Studies (RELG)

Follow this link for RELG course descriptions: course link.

[3.2] Other Courses in the Religious Studies Program

Follow this link for **ANTH** course descriptions: course link.
Follow this link for **ART** course descriptions: course link.
Follow this link for **ENGL** course descriptions: course link.
Follow this link for **HIST** course descriptions: course link.
Follow this link for **PHIL** course descriptions: course link.
Follow this link for **SOC** course descriptions: course link.

Southern and Arkansas Studies Minor

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/southern-and-arkansas-studies/

Coordinator and Assistant Professor: S. Matkin-Rawn (PhD), (501) 450-5630, slmatkinrawn@uca.edu, Department of History

[1] Purpose

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 Faulkner County Museum.

This minor provides students with the background and expertise for a variety of careers in the fields of history, business, journalism, politics, teaching, museum work, and research. Students will study southern issues across a variety of disciplines and will have the opportunity to do independent research and study, internships, or field work.

[2] Requirements

The Southern and Arkansas Studies minor consists of 21 hours.

Southern and Arkansas Studies Core (9 hours required, selected from the following courses):

ENGL 4362 Southern Literature and Folklore
HIST 4345 The South to 1865
HIST 4346 The South since 1865
HIST 4355 The Role of Arkansas in the Nation
GEOG 3380 Geography in Arkansas
PSCI 2340 State and Local Government
ANTH 3300 Regional Anthropology (when Ozarks is the topic)

Electives (9 hours required, selected from the remaining Southern and Arkansas Studies core courses above and/or from the following):

ENGL 4380 African and African-American Literature
ENGL 4382 Race in American Literature (when southern writers are the focus)
HIST 3353 African- American History to 1868
HIST 3354 African-American History since 1868
HIST 4330 Civil War and Reconstruction
ANTH 3315 Native American Cultures

In consultation with the minor advisor, students may substitute appropriate courses from any department for one of the electives listed above.

Capstone Course, selected from the following:

Independent study: Research project to be supervised by faculty member of student's choice
Internship: Internship approved by coordinator in consultation with the student

Students seeking to continue the minor must meet with the coordinator the semester before finishing the program in order to set up the independent study or internship.

STEM Education Minor – UCA STEMteach

URL: http://uca.edu/ubulletin/colleges-departments-programs/interdisciplinary-programs/stem-education-minor/

Program Director, Professor, and Dean: Dr. Stephen Addison (College of Natural Sciences and Mathematics), saddison@uca.edu / 450-3199
Program Co-Director, Professor, and Dean: Dr. Victoria Groves-Scott (College of Education), vickigs@uca.edu / 450-3175

[1] STEM Education Minor

The undergraduate STEM education minor (STEMteach) is available to mathematics and science majors (chemistry, physics, biology, and environmental science biology and chemistry tracks) and represents the 26 credit hours to complete the UCA STEMteach program. The minor is the pathway for those wishing to earn a 7-12 secondary Arkansas teaching license in biology/life science, chemistry, physical science, physics, or mathematics. Courses provide the necessary pedagogical skills in a mathematics and science context to prepare candidates to be secondary teachers in their respective disciplines.

Completing the STEM education minor does not limit candidates to a career in education. Candidates have the same preparation for graduate school and other professional opportunities as all other mathematics and science majors. The STEM education minor adds an option to the Bachelor of Science degree for those who might wish to enter the education field after graduation or at some point later their careers.

The program is a collaboration between the College of Education and The College of Natural Sciences and Mathematics and seeks to equip candidates to do the following:

- Prepare, practice, implement, and reflect on engaging and effective lessons that are aligned with state and national standards.
- Explore the implications of learning theories on individual learning, social learning, and within the contexts of larger social justice issues.
- Apply theoretical and practical frameworks to analyze various instructional activities, focusing on content development through teacher-student, student-student, and group interactions.
- Design and implement problem- and project-based curricula and processes.
- Explore historical perspectives that have shaped the content and direction of the sciences and apply that historical content and information to educational contexts.
- Engage in problem-solving and problem-based learning through exploration and activities that strengthen, deepen, and expand knowledge of secondary mathematics and science topics.
- Design and implement scientific inquiries employing the tools and technology used by scientists.
- Practice the tools and strategies needed for effective teaching through intensive and integrated field experiences, which allow candidates to put to use their classroom experiences and to form a context by which concepts are better understood.

The required courses to earn the STEM education minor include:

STEM 1100 Step 1: Inquiry Approaches to Teaching
STEM1101 Step 2: Inquiry-Based Lesson Design (Prerequisite: STEM 1100)
STEM 1301 Knowing and Learning (Prerequisite: STEM 1100)
STEM 2301 Classroom Interactions (Prerequisite: STEM 1301 and Admission to Teacher Education)
STEM 3300 Project-Based Instruction (Prerequisite: STEM 2301 and Admission to Teacher Education)
STEM 3310 Research Methods in Mathematics and Science
STEM 4600 Apprentice Teaching **[UD UCA Core: Z]**
STEM 4605 Apprentice Teaching Seminar (Note: STEM 4600 and 4605 must be taken concurrently.)

In addition to completing coursework, candidates must meet College of Education teacher education admission requirements and Arkansas Department of Education licensure requirements to be eligible for the teaching license.

[2] STEM Education Course Links

Follow this link for STEM courses: course link

Pre-Professional Programs

Pre-Cardio-Respiratory Care

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-cardio-respiratory-care/

Advisor: Dr. Fox (Health Sciences), 450-3194

Students pursuing a career in respiratory therapy should complete lower-division UCA Core requirements, plus BIOL 2405, BIOL 2411, 4 hours of chemistry, 4 hours of physics, and 3 hours of basic computer fundamentals/applications at UCA. Students should then contact the respiratory therapy program they plan to attend for specific information about degree requirements.

Pre-Dental Hygiene

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-dental-hygiene/

Advisor: Dr. Emogene Fox (Health Sciences), 450-5508

[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 the lower-division UCA Core 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, COMM 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 1450, BIOL 1440, and 2411, MATH 1390, CSCI 1300, humanities course (3 hours). Electives (all 3000- or 4000-level courses): 13 hours.

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.

Pre-Dentistry

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-dentistry/

Advisor: Dr. Padberg, (501) 852-2342, jpadberg@uca.edu

Students 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:

UCA Core

Complete 38 hours to meet lower-division UCA Core requirements and complete upper-division UCA Core requirements using major, minor, or elective courses (see the UCA Core requirements). Consult the pre-dental advisor for details of the UCA Core as it applies to this pre-professional program.

Biology

BIOL 1440 Principle of Biology I
BIOL 1441 Principles of Biology II
BIOL 3402 Cell Biology
BIOL 4460 Animal Physiology

Suggested:

BIOL 4400 Histology

Chemistry

CHEM 1450 College Chemistry I
CHEM 1451 College Chemistry II
CHEM 2401 Organic Chemistry I
CHEM 3411 Organic Chemistry II

Physics

PHYS 1410 College Physics 1
PHYS 1420 College Physics 2

Mathematics

MATH 1390 College Algebra
MATH 1491 Applied Calculus for the Life Sciences

Pre-Engineering

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-engineering/

Advisor: Dr. Frederickson, 450-5900

[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-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 1496 Calculus I
MATH 1497 Calculus II
MATH 2471 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

In addition to these courses, a student should complete WRTG 1310, WRTG 1320, and humanities and/or social science electives. Before selecting elective courses, the student should investigate the requirements of the engineering school the student expects to attend after completing work at UCA. Students should be aware that while courses from the Honors College can substitute for general education courses at UCA, there is no guarantee that these courses will be accepted as meeting these requirements by engineering programs.

Pre-Law

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-law/

Advisor: Dr. McInnis (Political Science), 450-3412

Law schools, unlike medical schools, do not require any particular degree or course of study for admission. Each applicant is required to have completed only a bachelor's degree and the Law School Admissions Test.

A pre-law student at UCA may choose any field in which to complete a bachelor's degree. Several things should be kept in mind when making this choice. A prospective law student should possess three basic qualities:

1. **Skill in the comprehension and use of language.** Language is the lawyer's working tool. In seeking to convince, in drafting legal instruments and legislation, and in oral and written arguments, a lawyer must have the capacity to communicate with clarity, precision, and persuasiveness. A program of study which requires one to write is, therefore, essential.
2. **Analytical and problem-solving skills.** An important part of the lawyer's work is problem-solving. Creative and analytical thinking requires the development of skills in research, use of facts, deductive and inductive reasoning, critical analysis, and the systematic formulation of principles and concepts.
3. **An understanding of and interest in human institutions and values.** Lawyers are not just engaged in a process like that of a worker changing a tire on a car, rather, they are forces in the operation and shaping of the institutions and values with which humankind is concerned. The work which lawyers do can have a tremendous impact on a human life and even a whole community. A broad background in history, government, philosophy, economics, and the arts is, therefore, quite important.

Each pre-law student at UCA should consult with the pre-law advisor to choose a course of study which best fits the student's needs and desires and offers the best preparation for law school. Students should also consult with the pre-law advisor for assistance in selecting the appropriate law schools to which they should apply.

Pre-Medicine

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-medicine/

Premedical Advisory Committee: Dr. V. Dunlap (Chemistry), Dr. Gomez-Kramer (Biology), Dr. K. Hicks (Biology), Dr. Martin (Biology), and Dr. Rowley (Biology)

Most medical schools require a minimum of three years (90 semester hours) of undergraduate college work, but almost all expect that students will complete a four-year program leading to a baccalaureate degree. Although many medical schools do not require specific courses or a specific major, most students who are successful in matriculating in a college of medicine and completing the course of study major in biology or chemistry.

The Medical College Admission Test (MCAT) is required of applicants for admission to most colleges of medicine. Admission to medical school depends greatly on the scores achieved on this test. Areas covered by the exam are verbal reasoning, writing, biological sciences, and physical sciences. Electives should be selected to improve in areas of weakness.

Minimum requirements for admission to the School of Medicine at the University of Arkansas for Medical Sciences (UAMS) are as follows:

- **Biology**: BIOL 1440 Principles of Biology I, BIOL 1441 Principles of Biology II, BIOL 2490 Genetics. Recommended: BIOL 3402 Cell Biology.
- **Chemistry**: CHEM 1450 College Chemistry I, CHEM 1451 College Chemistry II; CHEM 2401 Organic Chemistry I, CHEM 3411 Organic Chemistry II. Recommended: CHEM 4320 Biochemistry I.

- **Physics**: Two semesters: PHYS 1410 College Physics 1, PHYS 1420 College Physics 2.
- **Mathematics**: Two semesters (MATH 1390 and above).
- **English/Writing**: Three semesters.
- **Humanities**: Courses in the humanities are also required, but this requirement is satisfied by completion of the UCA Core program.

UAMS suggests that the following courses, though not required, would be useful: statistics, computer science, calculus, sociology, general psychology, abnormal psychology, speech, and additional advanced courses in biology.

Pre-Optometry

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-optometry/

Advisor: Dr. Naylor, (501) 450-5826

Optometry is a profession of specialists who diagnose and correct defects in vision. The Doctor of Optometry degree requires a four-year program of study in an optometry school, preceded by at least 90 hours of college courses. The majority of the required courses are common to most optometry programs. However, some optometry schools require more mathematics than others. A very few schools require only college algebra and trigonometry, but most require analytical geometry, differential calculus, integral calculus, and statistics. Students entering optometry school before having completed a UCA bachelor's degree might be able to complete the requirements for a UCA degree with their optometry school course work provided they have completed 96 credit hours of prescribed course work at UCA. However, most optometry schools prefer applicants who will have acquired a bachelor's degree before entry. The American Optometric Association has organizations in all 50 states and the District of Columbia.

Required courses for most optometry schools would include at least the following courses:

BIOL 1440, 1441, 2405, and 2411 or 3420; CHEM 1450, 1451, 2401, 3411, 4320; PHYS 1410, 1420; English/Writing, 12 credit hours; MATH 1390 plus 1392, or 1580 (most schools require 1496, 2561, 2311); social sciences, 6 credit hours; PSYC 1300.

The course of study at UCA should be adjusted to suit the admissions requirements of the optometry school(s) to which the student plans to apply.

Pre-Pharmacy

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-pharmacy/

Advisors: Dr. Isom, 450-5794, and Dr. Weaver, 450-5943

[1] Introduction

Depending on the professional institution, the prerequisite course work for pharmacy school ranges from approximately 70 to 90 credit hours. These include basic science and mathematics courses as

well as humanities courses. Because pre-pharmacy at UCA is a non-degree program, students are strongly encouraged to also work toward a regular four-year degree while completing pharmacy entrance requirements.

In Arkansas a four-year professional program is available at the University of Arkansas for Medical Sciences (UAMS) School of Pharmacy in Little Rock and at Harding University in Searcy. The pre-pharmacy program for UAMS is currently a minimum of 69 hours, whereas the program for Harding is 64 hours. The successful student will receive a Doctor of Pharmacy (PharmD) degree upon graduation from pharmacy school.

The following courses are those offered at UCA which specifically fulfill the requirements for admission to UAMS. A student seeking admission to Harding also needs CHEM 4320 Biochemistry and MATH 2311 Statistical Methods I, but does not need PHYS 1410. A student who decides on a school other than UAMS or Harding should contact that particular school to find out the pre-professional course requirements.

Pre-Pharmacy requirements do change, and, hence, frequent consultation with the advisor is strongly encouraged.

[2] Required Courses

Core Courses

[Note 1]

Biology (12 hours): BIOL 1440 Principles Biology I **and** BIOL 1441 Principles Biology II; BIOL 2411 Microbiology **or** BIOL 3420 General Microbiology [Note 2].

Chemistry (16 hours): CHEM 1450 **and** 1451 College Chemistry I and II; CHEM 2401 **and** 3411 Organic Chemistry I and II.

Mathematics (4 or 5 hours): MATH 1491 Applied Calculus for the Life Sciences **or** MATH 1496 Calculus I.

Physics (4 hours): PHYS 1410 College Physics 1

Non-Core Courses

English/Communication (9 hours): WRTG 1310 Introduction to College Writing **and** WRTG 1320 Academic Writing and Research **and** one of the following: WRTG 3300 Creative Writing, WRTG 3310 Technical Writing, ENGL 2305 World Literature I (or higher literature course), or COMM 1300 Principles of Communication.

Economics/Accounting (3 hours): ECON 1310 Modern Political Economy, ECON 2310 Global Environment of Business, or ACCT 2310 Principles of Accounting I.

Selectives (minimum of 9 hours, minimum of 3 classes): BIOL 2490 Genetics, BIOL 3402 Cell Biology, BIOL 2405 Human Anatomy & Physiology, BIOL 3411 Pathophysiology, BIOL 3420 General Microbiology [Note 3], CHEM 3520 Quantitative Analysis, CHEM 4320 Biochemistry, MATH 1497 Calculus II, MATH 2311 Statistical Methods I **or** PSYC 2330 Statistical Methods, PHIL 2305 Critical Thinking **or** PHIL 2310 Introduction to Logic, PHYS 1420 College Physics 2.

Humanities electives to bring total to at least 69 credit hours.

ACCEPTABLE: Survey courses in art, music, history, theater, literature, philosophy, religion, foreign language, sign language, psychology, sociology, anthropology, political science, and geography.

UNACCEPTABLE: Courses in health, physical education, business, natural science, military science, education, studio courses in art, music, or theater, and computer science.

Note 1:

CORE Courses: no more than 8 hours of CLEP, AP credit, and/or credit by examination; NON-CORE: no more than 12 hours of CLEP, AP credit, or credit by examination.

Note 2:

Requires BIOL 2490 Genetics as a prerequisite.

Note 3:

Cannot be used as part of the Biology 12 hours **and** as a Selective.

Pre-Veterinary Medicine

URL: http://uca.edu/ubulletin/colleges-departments-programs/pre-professional-programs/pre-veterinary-medicine/

Advisor: Dr. Vickie McDonald, (501) 450-5924, vickiem@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 (LSU) 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, respectively. 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 UCA Core 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, 4420
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 permission in advance from the School of Veterinary Medicine at LSU.

Other Academic Units

Academic Advising and Student Success

URL: http://uca.edu/ubulletin/colleges-departments-programs/other-academic-units/academic-advising-and-student-success/

[1] Academic Advising Center

Academic advisors offer students advisement related to registration, academic programs, and academic planning, as well as assisting students in locating resources to meet individual educational needs. They advise all incoming first-year students, undeclared students, visiting students, and undeclared transfer students. For more information visit the AAC on the web or phone (501) 450-5149.

[2] Athletic Academic Advising

Academic athletic advisors assist all student athletes in realizing their academic potential by providing academic support and by continuously monitoring their academic athletic eligibility and progress toward graduation. They instill in student athletes the tools to become academically competent and autonomous as they pursue degrees and commit to life-long learning. For more information visit Student Success on the web or phone (501) 852-2506.

[3] Office of Student Success

The student success staff and programs help students become better prepared academically to achieve their educational goals. They offer summer bridge programs, individual tutoring, and workshops and seminars to aid in completing degree and graduation requirements. For more information visit the OSS on the web or phone (501) 450-5384.

Learning Communities

URL: http://uca.edu/ubulletin/colleges-departments-programs/other-academic-units/learning-communities/

Director: Dr. Jayme Millsap Stone, (501) 852-0950, Old Main Hall 104, jaymes@uca.edu

[1] Purposes

UCA's Residential Colleges cultivate an environment that encourages intellectual risk, leading to academic growth. Students join faculty and staff to create a community of scholars who work together to engage in academic, professional, and civic endeavors. By participating in learning communities, a commitment to a culture of inclusiveness, innovation, integrity and collaboration is affirmed. In order to help meet the needs of first-year and continuing students, the Residential Colleges give students the opportunity:

- To take classes in the Residential Colleges with those of similar majors and interests.
- To live and learn in a community of students faculty, and staff.
- To participate in a variety of co-curricular academic experiences.
- To contribute to a variety of service-learning experiences.
- To participate in the Hughes Leadership Institute.
- To become an advocate for peers.
- To minor in Public Scholarship and Community Engagement (available Fall 2013).

[2] General Information

UCA's Residential College curricula consist of UCA Core courses taught by a team of professors from different disciplines organized around an academic theme. The five Residential Colleges are as follows:

HPaW Residential College at Baridon Hall
Theme: Health Promotion and Wellness

STEM Residential College at Arkansas Hall
Theme: Science, Technology, Engineering & Mathematics

EDGE Residential College at Hughes Hall
Theme: Educating for Global Engagement

The Stars Residential College at Short/Denney Hall
Theme: Living the Arts

EPIC Residential College at Bear Hall
Theme: Entrepreneurship, Public Scholarship, Innovation & Community Engagement

The Residential College program is much more than taking courses in your residence hall. For the educational process to be at the center of the student's life, the Residential Colleges offer common areas where faculty, staff and students gather engage in lively conversations, work on group projects, study, and hold performances. Each Residential College has a classroom, study area, as well as faculty and staff offices. These environments are designed for living and learning.

UCA's Residential Colleges sponsor a number of co-curricular and service-learning opportunities including travel to museums, regional performances, field experiences, competitions, and study abroad in Rwanda.

[3] Admission Requirements

UCA's Residential Colleges limit enrollment. For admission requirements and more information contact

Director, UCA's Residential Colleges
201 Donaghey Ave
Old Main 104
University of Central Arkansas
Conway, Arkansas 72035-5000

Telephone: (501) 450-3125 or (501) 450-5969
E-mail: residentialcolleges@uca.edu
Website: uca.edu/residential/

Schedler Honors College

URL: http://uca.edu/ubulletin/colleges-departments-programs/other-academic-units/honors-college/

Interim Dean and Assistant Professor: P. Smith (EdD), 450-5295
Professor: D. Bowman (PhD)
Associate Professor: A. Frank (PhD), A. Wallace (PhD)
Assistant Professor: E. Hostetter (PhD)
Lecturer: D. Corbitt (MA), C. Lea (JD)

[1] Purposes

The Schedler Honors College recognizes that highly motivated and able students have special educational needs. In order to help meet their needs, the college gives these 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 a Capstone Project and present it before faculty and students.

[2] General Information

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 UCA Core 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 on a proposal for a capstone project, and the Honors Capstone, in which the student completes a capstone project of his or her own design. The Honors College is for juniors and seniors invited from those students completing the Honors Program.

The Honors Center. The Schedler 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, a physical place is needed 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 (regular discussion accompanied by good food), films and videos all provide the occasion to keep the conversation going. The Honors Center is a focal point for the social and intellectual activity of the Schedler Honors College.

Special Events. Each year the Schedler Honors College sponsors a series of lecture and performance events such as Challenge Week for the entire campus and central Arkansas community. Nationally prominent figures are invited to speak and spend time interacting with students and faculty. In addition, weekend retreats and special banquets are held for members of the Honors community.

[3] Grants Programs

Funds are available for study abroad (Travel Abroad Grants) and research internships (Undergraduate Research Grants for Education). Eligible Schedler Honors Scholars prepare grant proposals, and monies are awarded on a competitive basis.

4] Honors Residence Hall

In addition to special instruction, Honors Scholars occupy a specially designated residence hall, Farris Honors Hall. The atmosphere reinforces the learning and friendships developed through the program, and selected Honors students act as live-in mentors, technology associates, and residential advisers. Application to the honors residence hall is through the Housing Department. Those students who have been accepted into the Schedler Honors College at the time of housing assignments will be placed in the honors residence hall based on space availability.

[5] Admission Requirements

The Schedler Honors College limits enrollment. For admission requirements and more information, contact

Dr. Patricia Smith
McAlister Hall 306/Box 5024
University of Central Arkansas
Conway, Arkansas 72035-5000
Telephone: (501) 450-3198 or (501) 450-5295
E-mail: honors@uca.edu
Website: uca.edu/honors

Abbreviation Key – UCA Core Program

LD = Lower Division
UD = Upper Division
C = Effective Communication
D = Diversity
I = Critical Inquiry
R = Responsible Living
Z = Capstone Experience

[6] Honors Program Courses (HONC)

[6.1] Honors Core: The Human Search

HONC 1310 Honors Core I
HONC 1320 Honors Core II
HONC 2310 Honors Core III
HONC 2320 Honors Core IV

Follow this link for HONC – Honors Core course descriptions: course link.

[6.2] Fifteen-Hour Minor in Honors Interdisciplinary Studies

HONC 3310 Honors Seminar (should be repeated for a total of 6 hours)
HONC 3320 Honors Oxford Tutorial **[UD UCA Core: C, I]**
HONC 4310 Honors Senior Seminar **[UD UCA Core: D, R]**
HONC 4320 Honors Capstone **[UD UCA Core: Z]**

Follow this link for HONC – Minor in Honors Interdisciplinary Studies course descriptions: course link.

[7] Schedler Honors College Graduation Requirements

To complete the minor in Honors Interdisciplinary Studies, a student must take 9 hours of Honors seminars and the Oxford Tutorial and complete a Capstone Project with an oral presentation. (See section 6.2)

Torreyson Library

URL: http://uca.edu/ubulletin/colleges-departments-programs/other-academic-units/torreyson-library/

Associate Professor and Director of the Library: D. Covington (MS, MBA), 450-5201
Assistant Professor and Assistant Director of the Library: T. Murdock (MS)
Assistant Professors: J. Bryant (MA), S. Burks (MLS), J. Ewing (MLIS), R. Le Beau-Ford (MLS), A. Wilson (MSIS)
Lecturer II: E. DiPrince (MLS)
Lecturer I: C. Karafit (MLIS)
Instructors: J. Riedmuller (MLIS), T. Smith (MLIS)

Explore the library's online presence at uca.edu/library/.

Torreyson Library's mission is to be the center of intellectual life for the University of Central Arkansas community. Serving as UCA's "academic town square" and marketplace for ideas, the Library invites all members of our university community to come together, conduct research, study, read, access information, exchange diverse opinions, work collaboratively, and pursue intellectual growth. Torreyson Library is committed to the academic achievement of our students and to the teaching and scholarship achievement of our faculty and staff.

University College

URL: http://uca.edu/ubulletin/colleges-departments-programs/other-academic-units/university-college/

Director: A. Baldwin (EdD), 450-3220
Senior Lecturer: D. Bratton (MSE), L. Christman (MA), S. Johnson (MLA), M. Wood (MS)
Lecturer II: E. Corum (MA), C. Edwards (MA), A. Gardner (MA), A. Martin (PhD), R. Novy (PhD), C. Olds (MA), K. Pachlhofer (MA)
Lecturer I: R. Bogoslavsky (MA), L. Gomes (MA)

[1] Mission Statement

University College contributes to the mission of the University of Central Arkansas (UCA) by offering transitional support to undergraduate students conditionally admitted to UCA. By being sensitive and responsive to the individual differences and diverse needs of transitional students seeking to achieve college-level skills in a variety of academic disciplines, University College promotes, encourages, and stimulates the personal, social, and intellectual growth of its student base through its commitment to the following goals and values:

- Our belief in a holistic and comprehensive approach to learning and learners
- Our belief that all students have different backgrounds and learning styles
- Our commitment to identify these diversities in order to foster a supportive, student-centered atmosphere that encourages student academic success
- Our commitment to provide and develop curriculum and support services that prepare students for other UCA Core and upper-division courses at UCA

[2] General Information

University College provides transitional courses to undergraduate students who meet the conditional or conditional-prep standards for admission as established by the Board of Trustees and set forth in the *Undergraduate Bulletin*. These courses include the state-mandated transitional requirements, UNIV 1100: University Studies, and select UCA Core courses.

[3] Transitional Course Completion Policy

It is the policy of the University of Central Arkansas and the State of Arkansas that any student who is required to complete transitional course work in reading, writing, or mathematics must complete all courses required for remediation within the first 30 credit hours enrolled at UCA, including the transitional course hours, with a grade of C or higher. Unsuccessful attempts are those that result in a grade of D, F, W, WP, or WF. Failure to complete the required course(s) within the first 30 hours will result in transitional suspension from UCA. To re-enroll at UCA, a student must complete the transitional course requirements with a grade of C or higher at another accredited institution of higher education, as defined by the Undergraduate Bulletin in Admission to the University Section [7] Transfer of Credit, and provide UCA with a transcript prior to registration for classes.

Additionally, this Transitional Course Completion Policy will apply to former UCA students who choose to re-enroll at the University. This policy complies with the provisions of ACT 1184 of 2011, ACA, § 6-60-208, and AHECB Policy 5.14.1. The policy is administered at UCA through the University College.

UCA provides support services for students enrolled in the transitional courses including peer tutoring, computer-aided tutorials and software. Instructors maintain office hours so students can get individual help beyond the classroom. Students are encouraged to take advantage of these services.

[4] (UNIV, ACAD)

Follow this link for UNIV (University College) course descriptions: course link.

Follow this link for ACAD (Academic Success) course descriptions: course link.

4. COURSES

The index page for this section (http://uca.edu/ubulletin/courses/) is not reproduced here. The index page includes the following information and links to the course pages:

> For information about **ACTS – the Arkansas Course Transfer System** see the Academic Bulletins ACTS page. In the course lists linked below, courses that are a part of the ACTS system are identified by the ACTS index number. For example, WRTG 1310 Introduction to College Writing has this identifier: **[ACTS: ENGL1013]**.

Academic Success

URL: http://uca.edu/ubulletin/courses/academic-success/

[1] Academic Success Courses (ACAD)

1300 JOURNEYS TO SUCCESS: EXPLORING STRATEGIES FOR ACADEMIC AND PERSONAL DEVELOPMENT This course is designed to explore the fundamentals of college success through academic topics such as setting short-term and long-term goals, developing non-cognitive skills for success, learning to learn, decreasing the negative effects of stress, and creating an academic and financial plan for completing college. This course is required for all conditionally admitted students and conditional-prep status students during their first enrollment period.

Accounting

URL: http://uca.edu/ubulletin/courses/accounting/

[1] Courses in Accounting (ACCT)

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. The course covers the fundamental principles of accounting; measurement, evaluation, and recording. The preparation and composition of financial statements is examined. Prerequisites: MATH 1390 and either sophomore status or recommendation of advisor/instructor. **[ACTS: ACCT2003]**

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. The course is a 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. **[ACTS: ACCT2013]**

2321 LEGAL ENVIRONMENT OF BUSINESS I This is a required course for all business majors in the business foundation. The mode of instruction is lecture. The course is a study of the constitution and business; the court system and other means of dispute resolution; anti-trust issues; business and labor; consumer rights; enforceable contracts; business and its environment including social responsibility, ethics, and protecting the physical environment. Prerequisite: sophomore status. **[ACTS: BLAW2003]**

2376 BUSINESS LAW FOR ENTREPRENEURS This course gives special emphasis to issues that confront those who desire to start or own a business. Topics covered include: choosing the form of organization, structuring ownership, financing options, contracts and leases, and human relations issues. This is a required course in the business foundation for entrepreneurship majors. The mode of instruction is lecture.

3311 INTERMEDIATE ACCOUNTING I This is a required course for accounting and finance majors. The mode of instruction is lecture/problem solving. The course covers valuation, classification, and presentation in financial statements of business enterprises with emphasis on determination and valuation of assets and current liabilities. Prerequisite: ACCT 2311.

3312 INTERMEDIATE ACCOUNTING II This is a required course in the accounting major, an elective course in the accounting minor, and an elective course in the finance major. The mode of instruction is lecture/problem solving. The course is a continuation of financial reporting concepts with emphasis on the statement of cash flows and the valuation of long-term liabilities and stockholder's equity on the balance sheet. In addition, the valuation, classification, and presentation of pensions, leases, and income taxes is covered. Prerequisite: ACCT 3311 with a minimum grade of C.

3314 MANAGERIAL ACCOUNTING Course is not open to accounting majors. Degree credit is not given for both ACCT 3314 and ACCT 3315. The mode of instruction is lecture/problem solving. The course provides a study of the types of information managers need to plan and control business operations, where to obtain this information, and how to use this information in decision making. The course makes extensive use of computer technology. Prerequisite: ACCT 2311.

3315 COST ACCOUNTING This is a required course in the accounting major. This course may substitute for ACCT 3314 for all business majors. The mode of instruction is lecture/problem solving. The course provides an examination of the concepts, analysis, and procedures to provide relevant financial and non-financial information to management for purposes of planning, controlling, and evaluating operations. Prerequisite: ACCT 2311.

3316 INDIVIDUAL TAXATION This is a required course in the accounting major. Mode of instruction is lecture/problem solving. The course studies the fundamentals of taxation with major emphasis on those provisions having application to individual taxpayers. Prerequisite: ACCT 2311.

3320 ACCOUNTING INFORMATION SYSTEMS This is a required course for accounting majors and substitutes for MIS 3321 in the business core. The mode of instruction is lecture/computer applications. The course covers the analysis and design of systems to process and report relevant accounting and non-accounting information for business entities. The course focuses on internal controls and uses the simulated processing of accounting information in a hands-on microcomputer lab environment. Prerequisites: ACCT 3311 with a minimum grade of C; MIS 2343. **[~~UD UCA Core: R~~ (deleted effective spring 2017)]**

3326 FRAUD EXAMINATION This is an elective course open to all majors. The course covers basic fundamentals of fraud examination including nature and types of fraud, prevention of fraud, and techniques to detect fraud in various types of organizations. **[UD UCA Core: R]**

3376 TAXATION FOR ENTREPRENEURS This course is a required course for the Innovation/Entrepreneurship major. The basic tax concepts that relate to start-up/small businesses are described. Business expenses, employee compensation, property acquisitions and disposals as

well as the taxation of Corporations. Proprietorships and Flow-Through entities are covered in this course. Prerequisite: ACCT 2311.

3382 INTERNSHIP IN ACCOUNTING This is an elective course open to accounting majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved CBA student internship. Prerequisites: ACCT 3311 and junior standing.

4304 GOVERNMENTAL/NOT-FOR-PROFIT ACCOUNTING Mode of instruction is lecture/problem solving. The course covers accounting and financial reporting practices of state and local governments and other not-for-profit entities. Prerequisite: ACCT 3311 with a C or better.

4305 ESTATE PLANNING Estate planning focuses on the efficient conservation and transfer of wealth, consistent with the client's goals. The course is a study of the legal, tax, financial, and non-financial aspects of this process, covering topics such as trusts, wills, probate, advanced directives, charitable giving, wealth transfer and related taxes. The course is designed for students majoring in accounting who want to focus on the area of taxation and for students in the insurance major who are specializing in financial planning. The course will introduce students to the integrated discipline of estate planning. Prerequisite: ACCT 3316.

4312 ADVANCED ACCOUNTING This is a required course in the accounting major. Mode of instruction is lecture/problem solving. The course covers concepts and problems encountered in business combinations, consolidations, international accounting, segment reporting, and partnerships. Prerequisite: ACCT 3312 with a minimum grade of C.

4315 ADVANCED COST ACCOUNTING This is a computer applications course required of all accounting majors and substitutes for MGMT 3344 in the business core and an elective course for accounting minors. Mode of instruction is lecture/problem solving. The course covers the use of information in solving quantitative and behavioral problems associated with the management of an entity. Prerequisite: ACCT 3315 with a minimum grade of C.

4316 ADVANCED INCOME TAX This is a required course in the accounting major and an elective course in the accounting minor. Mode of instruction is lecture/problem solving. The course covers advanced tax issues with emphasis on partnerships, corporations, estates, and gifts. Prerequisite: ACCT 3316 with a minimum grade of C.

4317 AUDITING This is a required course in the accounting major. Mode of instruction is lecture/problem solving. The course provides an introduction to auditing theory, professional conduct, internal control, and audit procedures. Prerequisites: ACCT 3312 and 3320 with a minimum grade of C in each course. **[UD UCA Core: C]**

4322 LEGAL ENVIRONMENT OF BUSINESS II This is an elective course but is recommended for students who plan to sit for the CPA Exam. The mode of instruction is lecture. A study of agency, commercial paper, forms of business organizations; real and personal property; bailments; the liability of accountants and other professionals; bankruptcy as applied to the different forms of business organizations. Prerequisite: ACCT 2321.

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

4382 INTERNSHIP IN ACCOUNTING This is an elective course open to accounting majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Credit will not be given for this course and ACCT 3382 for internships at the same organization unless the job responsibilities are substantially different. Prerequisites: ACCT 3311 and senior standing.

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

African/African-American Studies

URL: http://uca.edu/ubulletin/courses/afam/

[1] Courses in African/African American Studies (AFAM)

1330 INTRODUCTION TO AFRICAN AND AFRICAN AMERICAN STUDIES This course is a requirement for students majoring or minoring in African/African American Studies and will introduce them to the study of African and African American literature and culture from an interdisciplinary perspective. Satisfies the UCA Core lower-division requirement in Inquiry and Analysis – Fine Arts/Humanities. The course format is lecture/discussion.

4105 SENIOR INTERDISCIPLINARY CAPSTONE PROJECT Capstone course required of all African/African-American Studies majors completing the program. Students complete a senior research and writing portfolio, including two final essays that integrate and build upon the skills and knowledge they have acquired in earlier coursework in the major. Students must present their work at a conference or symposium. Discussion, research and writing, oral presentation. Prerequisite: 24 hours in African/African-American Studies coursework. **[UD UCA Core: Z]**

Anthropology (ANTH)

URL: http://uca.edu/ubulletin/courses/anthropology/

[1] Courses in Anthropology (ANTH)

1302 INTRODUCTION TO ANTHROPOLOGY Part of the lower-division UCA Core as a social science course in the Diversity in World Cultures category. A requirement in the Anthropology minor and an elective for other majors and minors. An introduction to the field of anthropology with an emphasis on basic anthropological principles, the nature of culture and social organization, and the biological beginnings of homo sapiens. Lecture and discussion. **[ACTS: ANTH1013]**

2300 PEOPLES AND CULTURES An elective in the anthropology minor core. In this course, we will examine some of the dominant methods, theories, and debates informing the discipline of cultural anthropology. In addition to studying the content of anthropological analyses, we will also study the processes of conducting anthropological fieldwork and some of the practical applications of anthropological knowledge. Readings for the course have been chosen to provide you with a sampling of perspectives on culture and society, including cross-cultural, ethnographic, and life history angles at the culture-society-environment interrelationship. These three frameworks-the cross-cultural, the ethnographic, and the life history approach-will provide you with a springboard

for exploring the role of culture in your own life and society. Learning formats for the course will include readings, lecture, film, discussion, and group exercises. Prerequisite: ANTH 1302.

2310 BIOLOGICAL ANTHROPOLOGY An elective in the anthropology minor core. This course is a comprehensive introduction to the fields of biological and physical anthropology addressing how ideas about human origins were forever altered by Darwin's theory of evolution, how mechanisms of evolution are explained by modern genetics, and how modern human variation can be understood by applying these principles. It will cover the living primates and paleontological evidence for the divergences that led to the man apes and eventually to humans. The course focuses on the relationship between biology and culture, how and why our species became our planet's dominant life form, the biological impact of agriculture and civilization, and prospects for the future of the Homo sapiens ("thinking" or "wise man") species. Lecture and discussion. Prerequisite: ANTH 1302.

2325 APPROACHES TO ARCHAEOLOGY Archaeology investigates past cultures in order to reconstruct past lifeways and to understand changes that have occurred in different groups of people across the landscape through time. Archaeology plays an integral role in identifying where these groups lived, what they ate, how they interacted with each other, and how they were organized socially and politically. This course offers an introduction to the approaches used by archaeologists to study human history, social evolution, and past cultural change through an analysis of material remains. By the end of this course, you will have an understanding of the history of archaeology, its varied methodological approaches, and forms of archaeological evidence related to survey and excavation techniques and principles of dating and chronology. You will have been exposed to methods used in reconstructing past settlement patterns, subsistence strategies, religious practices, social and political organization, and how we explain change in the archaeological record. Lecture and discussion. Prerequisite: ANTH 1302.

3300 REGIONAL ANTHROPOLOGY An elective in the anthropology minor core. Anthropological study of culture and society in a delineated geographical region of the world such as Appalachia, the Ozarks, the United States Southwest or South, Sub-Saharan Africa, the Arctic, East Asia, the Caribbean, Eastern Europe, Andean or Amazonian South America, the Middle East, Oceania, or South Asia. The course will introduce the geography of the region and explore its archaeology and cultural history, in addition to any other pertinent culture, ecological, societal, and/or historical features. May be repeated with new content. Maximum credit six units. Lecture and discussion. Prerequisite: ANTH 1302.

3310 MAGIC, RELIGION, AND WITCHCRAFT An elective in the anthropology minor core. An exploration of supernatural beliefs and practices from primeval through contemporary culture including techniques for controlling the supernatural, parallels in religious movements and upheavals, and today's quest for meaning and sanction. Students should gain understanding of unfamiliar beliefs and the underlying psychic unity of humankind. Lecture and discussion. Prerequisite: ANTH 1302.

3315 NATIVE AMERICAN CULTURES An elective for 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.

3320 ANTHROPOLOGY OF INTENTIONAL COMMUNITIES AND CULTURE CHANGE Homo sapiens means “thinking” or “wise” man, but whether we are capable of intentionally envisioning and creating a more satisfying culture remains an open question. This course will cover anthropological theories on the world-wide development of culture and reasons for growth and collapse, anthropological concepts of human nature and motivation, Utopian thinkers, Revitalization movements and theories, real life Utopian experiments, cooperative and eco-village experiments, and culture-change oriented nonprofit organizations. Prerequisite: ANTH 1302 or SOC 1302.

3321 QUALITATIVE RESEARCH METHODS An elective for majors and minors in sociology and anthropology (cross listed as SOC 3321). A survey of the foundations, traditions, techniques, ethics, and scholarly works associated with qualitative and ethnographic research methodologies in sociology and anthropology. Lecture and discussion. Prerequisite: SOC 1300 or ANTH 1302. **[UD UCA Core: I, C]**

3340 ENVIRONMENTAL ANTHROPOLOGY An elective in the anthropology minor core. Environmental anthropology provides an introduction to human / environmental interactions from diverse anthropological perspectives, covering cultural ecology, ecological anthropology, ethnoscience, and political ecology. This course explores human adaptability, integrating social and biological approaches, cultural and political ecology, ecological politics and resistance in struggles over the definition, organization, and control of the natural environment, and contemporary issues of global environmental change, population and environment, “common property” resources, indigenous peoples’ environmental sciences and management regimes of resources, and the power relations affecting local and global human use of the environment. Lecture and discussion. Prerequisite: ANTH 1302.

3350 MUSEUM ANTHROPOLOGY An elective in the anthropology minor core. This course in applied anthropology will provide an introduction to the history, purposes, transformations, and internal workings of museums. It will cover the relevance of humanistic and scientific anthropological training to careers in the museum field. Students will learn about some of the world’s large and small museums, focusing on natural and cultural history, and science museums related to anthropological studies of archaeology, human evolution, and world ethnography and ethnology. Lecture and discussion. Prerequisite: ANTH 1302.

3360 ANTHROPOLOGY TRAVEL SEMINAR An elective in the anthropology minor. Students are immersed in the culture and environment of the locale. Travel sites vary as do the topical areas of focus. Travel seminars include both domestic and international locations. Students will be expected to learn about the cultural history of the region, in addition to geographic and ecological characteristics. Prerequisite: ANTH 1302.

4V80 FIELD ARCHAEOLOGY An upper-division course that serves as an elective for Anthropology majors and minors. The Field Archaeology course introduces students to the practical elements of archaeological field and lab work while conducting guided and supervised excavations at an active archaeological site. Lectures and discussions accompany the fieldwork to expand skills and introduce additional topics, including archaeological research design, community and public archaeology, the legal and ethical aspects of archaeological excavation, and various specialized types of archaeological analyses. Prerequisite: ANTH 1302.

4V90 SELECTED PROBLEMS IN ANTHROPOLOGY (Variable credit: 1-3 credit hours.) An elective in the anthropology minor. This readings, discussion, and/or independent research course is

on a topic of interest to the student and approved by the professor. Because of the nature of the course, its success depends largely on the student's level of self-motivation. A topical area will be decided on by the student and faculty member and may consist of readings, field research, and/or academic travel. Activities when investigating the topic will vary by student. Prerequisite: ANTH 1302.

4310 MYTHS & MOUNDBUILDERS An elective for majors and minors. This course is an archaeological and ethnographic study of the traditional lifeways of early Native American societies by culture area. It will examine the social dynamics that defined the eastern Woodland chiefdoms situated within a culture area that archaeologists call the Mississippian southeast. Contemporary Native American societies will also be examined to evaluate processes of cultural continuity and change as documented in the archaeological record. Lecture and discussion. Prerequisite: ANTH 1302.

4360 SEMINAR A requirement for all Anthropology majors. Students will complete an independent project based on research, fieldwork, or an internship. Discussions will center on key methods, theories, and research-design approaches in anthropology. Additional emphasis will be placed on career and educational opportunities for anthropology graduates. Seminar. Prerequisites: 21 hours of credit in the Anthropology major, including the following courses: ANTH 1302, 3321, 4380; and SOC 2321. **[UD UCA Core: Z]**

4370 INTERNSHIP An elective for majors and minors. A structured, supervised work or field experience. The student completes a minimum of 150 hours within the assigned placement setting during the term enrolled, maintains a log of activities, and provides the internship coordinator with a final paper or related academic product. Prerequisites: 21 hours of anthropology credit, including ANTH 3321 and ANTH 4380 or consent of department chair.

4380 ANTHROPOLOGICAL THEORY An elective in the anthropology minor. This course will explore the intellectual currents and ideas that have informed anthropological research and writings and the progressive development of anthropological theory. It will trace the discipline from its colonial origins through various paradigmatic shifts, revisions and refinements; exploring postmodern, post-colonial, feminist, relativist, and anti-relativist critiques and beyond. Lecture and discussion. Prerequisite: ANTH 1302.

4395 SPECIAL TOPICS IN ANTHROPOLOGY An elective in the anthropology minor. Upper division elective. This course examines anthropological subjects of interest that would otherwise be unavailable through traditional course offerings. Topics will vary. Lecture and discussion. Prerequisite: ANTH 1302.

Art (ART)

URL: http://uca.edu/ubulletin/courses/art-art/

[1] Studio Art

1301 INTRODUCTION TO ART Non-major elective. Beginning studio work in two- and three-dimensional art. Recommended for the undeclared major as an introduction to creative studio experience. Studio. May not be credited toward a major or minor in art.

1310 2-D DESIGN Foundation course for majors and minors. Fundamentals of two-dimensional design. Studio.

1321 DRAWING I Foundation course for majors and minors. Drawing techniques and media. Studio.

2140 PORTFOLIO ASSESSMENT I Area studies course for majors only. Sophomore Major Advancement Interview. Seminar. Graded on a CR/NC basis. Prerequisites: ART 1310, 1321, 2312, 2322, 3 hours from 2325, 2335, 2336.

2312 3-D DESIGN Foundation course for majors and minors. Fundamentals of three-dimensional design. Studio.

2322 DRAWING II, LIFE Foundation course for majors and minors. Studies of the figure in various media. Studio.

3140 PORTFOLIO ASSESSMENT II Area studies course for majors only. Progress review and degree candidacy. Issues of health and safety in art and career development. Seminar. Graded on a CR/NC basis. Prerequisite: ART 2140. **[UD UCA Core: R]**

3150 BFA FOLIO BFA degree majors only. Introduction to exhibiting work in the professional art field. Prerequisite: Acceptance to the BFA program. Seminar.

3315 CONTEMPORARY MEDIA IN 3-D An elective in the art program designed for art majors and minors. Investigation and use of contemporary materials and concepts in the development of three-dimensional forms. Studio. Prerequisites: ART 2140, 3 hours 3000-level studio.

3318 PHOTOGRAPHY I Area studies course for majors and minors. Introduction to the use of the camera, darkroom, film, and processing. Prerequisites: ART 1310 and 3 hours drawing.

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.

3321 DIGITAL PHOTOGRAPHY This is a required course for the BFA in Studio Art: Photography Emphasis and an elective for all other Art majors and minors. Introduction to the basic concepts of digital photography. This course will present to students the tools and techniques of photographic imaging and manipulation using Adobe Photoshop in a Macintosh platform. Digital input from digital cameras and scanning (flatbed and negative) as well as output to digital printing will be covered. Prerequisites: ART 1310, ART 1321, and ART 3318.

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.

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: Completion of at least one upper-division level I studio course.

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.

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

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.

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

3334 WATERCOLOR I Area studies course for majors and minors. Beginning transparent and opaque watercolor painting with emphasis on the transparent. Studies in visual composition. Studio. Prerequisites: ART 1310 and 3 hours drawing.

3339 WATERCOLOR II Major/minor course in an art degree program emphasis. Advanced transparent and opaque watercolor painting. Studio. Prerequisite: ART 3334.

3343 PRINTMAKING I Area studies course for majors and minors. Techniques of printmaking in intaglio, relief, and the lithographic processes. Studio. Prerequisites: ART 1310 and 3 hours drawing.

3344 PRINTMAKING II Major/minor course in an art degree program emphasis. Advanced techniques in etching, lithography, screen printing, relief, and multi-plate color printing. Studio. Prerequisite: ART 3343.

3350 FIBERS An elective in the art program designed for majors and minors. Traditional fiber construction methods using traditional and contemporary media. Studio. Prerequisites: ART 2312 and 3 hours drawing. Spring, even years.

3353 GRAPHIC DESIGN I Area studies course for majors and minors. Introduction to graphic design. Two- and three-dimensional assignments to provide an overview of the graphic design field. Studio. Prerequisites: ART 1310 and 3 hours drawing.

3354 GRAPHIC DESIGN II Major/minor course in an art degree program emphasis. Using typography as an effective element in visual communication. Studio. Prerequisite: ART 3353.

3361 SCULPTURE I Area studies course for majors and minors. Techniques and materials of three-dimensional art. Studio. Prerequisites: ART 2312 and 3 hours drawing.

3362 SCULPTURE II Major/minor course in an art degree program emphasis. Principles and concepts of three-dimensional form; investigation of structural problems in advanced media. Studio. Prerequisite: ART 3361.

3379 CERAMICS I Area studies course for majors and minors. Introduction to clay construction and surface treatment, utilizing hand building techniques, basic slip and glaze formulation and electric kiln firing. Studio. Prerequisites: ART 2312 and 3 hours drawing.

3380 SLIP CASTING & GLAZE FORMULATION This is a required course for the BFA in Studio Art: Ceramics Emphasis and an elective for all other Art majors and minors. This course is an introduction to the processes of mold making and slip casting. Glaze calculation and formulation will also be covered. Studio. Prerequisite: ART 3379.

3390 CERAMICS II Major/minor course in an art degree program emphasis. Introduction to the potters wheel as a tool for functional and sculptural clay construction. Beginning glaze chemistry

formulation, gas kiln firing, and beginning mold making techniques. Studio. Prerequisite: ART 3379.

4V71 DIRECTED STUDIO PROBLEM (Variable credit: 1-3 credit hours.) Studio course in an art degree program emphasis for majors only. Specific art media or topics on current issues and problems in art. Studio. Prerequisites: 3 hours ART 4388, written proposal and departmental approval semester prior to enrollment. (* 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.)

4V75 ART INTERNSHIP (Variable credit: 3 or 6 credit hours) Required course in the BFA degree. Available to majors only. Supervised, practical experience in art. Internship. Prerequisites: Written proposal and departmental approval semester prior to enrollment. (* 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.)

4140 PORTFOLIO ASSESSMENT III BA degree art majors only. Senior project. Exhibit and comprehensive review. Seminar. Graded on a CR/NC basis. Prerequisite: ART 3140. **[UD UCA Core: Z]**

4150 BFA PROFESSIONAL ORIENTATION BFA degree majors only. Preparation for entry into the community of artists and artist-teachers as a graduate student or career professional. Seminar. Prerequisite: Departmental approval.

4160 BFA EXHIBIT BFA degree majors only. Exhibit and comprehensive review. Seminar. Prerequisite: Departmental approval. **[UD UCA Core: Z]**

4300 BFA STUDIO PRACTICUM Required course for BFA degree majors only. Individual instruction in selected topics, providing an opportunity to produce a series of works that explore a creative artistic vision. Studio. Prerequisite: Written proposal and departmental approval semester prior to enrollment.

4301 BFA STUDIO PRACTICUM Required course for BFA degree majors only. Individual instruction in selected topics, providing an opportunity to produce a series of works that explore a creative artistic vision. Studio. Prerequisite: ART 4300.

4325 DRAWING IV, EXPERIMENTAL Course required of all BFA degree majors. Experimental drawing using a variety of media with emphasis on developing personal styles of expression. Studio. Prerequisites: ART 2140, 3324.

4328 GRAPHIC DESIGN III Major/minor course in an art degree program emphasis. Development of single and multiple-piece assignments based on actual client needs. Studio. Prerequisites: ART 2140, 3353, 3354 with grades of B or above and permission.

4335 GRAPHIC DESIGN IV Major course in a BFA degree emphasis. Professional portfolio and personal résumé. Studio. Prerequisites: ART 3353, 3354, 4328 and permission.

4388 ADVANCED STUDIO Major/minor course in an art degree program emphasis. Developing additional competence in special areas. May be repeated for credit. Studio. Prerequisites: ART 2140, 6 hours in one studio area, and faculty permission.

[2] Art Education

3304 INTRODUCTION TO ART EDUCATION Area studies elective in the major and requirement in the art education emphasis. Early field experience in a variety of instructional activities based on classroom preparation. Studio. Prerequisites: ART 1310 or 2312,1321.

4260 CONCEPTS OF ART Part of the academic block required of early childhood education candidates. The course will introduce visual arts content for the development and implementation of appropriate art curriculum for early childhood through fourth grade. Lectures, discussion, demonstration, studio, and curriculum design are central to the course. Prerequisite: Admission to teacher education.

4350 ART EDUCATION PRACTICUM Course required in the art education emphasis. Theory and practice in art education for the elementary school. Studio. Prerequisite: ART 3304

4361 ART EDUCATION INTERNSHIP I Course required in the art education emphasis. Teaching techniques for secondary schools. Studio. Prerequisites: ART 2140 and admission to teacher education.

4690 ART EDUCATION INTERNSHIP II Teaching under supervision for majors in art who seek state licensure. Requires full-day involvement and seminars. Prerequisites: Admission to internship program, completion of all professional education and art courses, and successful completion of Praxis II content area exams. Taken concurrently with ART 4691 Art Education Internship II.

4691 ART EDUCATION INTERNSHIP II Teaching under supervision for majors in art who seek state licensure. Requires full-day involvement and seminars. Prerequisites: Admission to internship program, completion of all professional education and art courses, and successful completion of Praxis II content area exams. Taken concurrently with ART 4690 Art Education Internship II.

[3] Art History

2300 ART APPRECIATION A UCA Core course satisfying the fine arts requirement. Significant styles and achievements in the visual arts with study directed toward trends and influences on contemporary society. May not be credited toward a major or minor in art. Lecture. **[ACTS: ARTA1003]**

2325 ASIAN ART SURVEY Foundation course for majors and minors. Required course for Asian Studies minor. Elective course for Religious Studies majors and minors. Important artistic monuments from India, China, and Japan. Because Buddhism is a connecting link for Asian cultures, emphasis is placed on Buddhist art. Lecture.

2335 ART HISTORY, PREHISTORIC TO MEDIEVAL Foundation course for majors and minors. The painting, sculpture, and architecture of Western civilization from prehistoric times to the Renaissance. Lecture. **[ACTS: ARTA2003]**

2336 ART HISTORY, RENAISSANCE TO MODERN Foundation course for majors and minors. The painting, sculpture, and architecture of Western civilization from the Renaissance to the contemporary. Lecture. **[ACTS: ARTA2103]**

3V05 SPECIAL TOPICS IN ART HISTORY (Variable credit: 1-3 credit hours.) Area studies course for majors and minors. Special topics in art history that are not covered in other course offerings. This may include subject areas or period studies not part of the existing curriculum, or in-

depth art historical investigations that are related to and augment the existing curriculum. Travel may be required. Prerequisite: ART 2335 or ART 2336.

3301 HISTORY OF MODERN ART Area studies course for majors and minors. Art from the nineteenth century to the present. Lecture. **[UD UCA Core: D]**

3302 HISTORY OF AMERICAN ART Area studies course for majors and minors. Art since colonial times. Lecture. **[UD UCA Core: D]**

3303 NINETEENTH CENTURY ART HISTORY Area studies course for majors and minors. European art of the nineteenth century. Lecture. **[UD UCA Core: D]**

3307 ARTS OF AFRICA Area studies course for majors and minors. A survey of the art and architecture of Africa, including the social, political, and religious context of the art, as well as issues of interpretation. Lecture. Spring, odd years. **[UD UCA Core: D]**

3311 ANCIENT SOUTH AMERICAN ART Area studies course for majors and minors. An in-depth examination of the pre-Columbian art and architecture of South America, including the archaeological, social, political, and religious context of the art, as well as issues of interpretation. Lecture. **[UD UCA Core: D]**

3329 ANCIENT MESOAMERICAN ART Area studies course for majors and minors. A survey of the art and architecture of pre-Columbian Mesoamerica and the Greater Antilles, including the social, political, and religious context of the art, as well as issues of interpretation. Lecture. **[UD UCA Core: D]**

3335 ART MUSEUM STUDIES Elective course in the art history emphasis. Introduction to the theory and practice of art museums. Lecture/Seminar.

3365 WOMEN IN ART Area studies course for majors and minors. Survey of women artists from the Renaissance to the contemporary. Lecture. **[UD UCA Core: D]**

3385 ART OF INDIA Area studies course for majors and minors. Elective course for Religious Studies majors and minors and Asian Studies minors. Survey of the important artistic monuments of India, especially the temples and sculptures related to Buddhism and Hinduism. Lecture.

3395 ART OF JAPAN Area studies course for majors and minors. Elective course for Asian Studies minors. Survey of major Japanese monuments and styles with consideration of the social, political, and religious currents formulating the arts. Lecture.

4V02* DIRECTED STUDY (Variable credit: 1-3 credit hours.) 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. (*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.)

4372 SENIOR SEMINAR Major/minor course in an art degree program emphasis. Advanced topics in contemporary art. Required course and Capstone for the BA in Art: Art History Emphasis. Seminar. Prerequisites: Senior standing and 9 hours of art history. **[UD UCA Core: Z]**

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.

Athletic Training

URL: http://uca.edu/ubulletin/courses/athletic-training-attr/

[1] Courses in Athletic Training (ATTR)

1235 PRINCIPLES OF STRENGTH TRAINING AND CONDITIONING IN ATHLETIC TRAINING A required course for athletic training majors that will introduce a variety of fitness assessment methods and exercise techniques. Students will learn to administer and interpret basic standardized exercise testing protocols to measure flexibility, strength, power, speed, agility and endurance. Students will learn how to develop, supervise and implement safe and effective exercise plans to improve overall fitness, health, well-being and human performance. Lecture, lab, discussion and activity. A grade of "C" or better is required for athletic training majors.

1350 INTRODUCTION TO ATHLETIC TRAINING A prerequisite course required of all students considering athletic training as a major. This course introduces athletic training as a health care profession and outlines its history and the role of the National Athletic Trainers' Association (NATA), Board of Certification (BOC) and licensure in professional practice. The course focuses on the professional preparation of athletic trainers and their role as health care professionals and provides students with an understanding of the prevention, assessment, diagnosis, care, management and rehabilitation of injuries and illnesses. Students will be assessed on basic athletic training skills. Lecture, discussion, laboratory, and required athletic training room observation. Prerequisite: BIOL 1400, 1401, 1402, 1410 or 1440 with a grade of C or better.

2255 EMERGENCY CARE IN ATHLETIC TRAINING This is a required course for athletic training majors. This course provides students the opportunity to evaluate, treat, manage and simulate the delivery of emergency care for acute injuries and illnesses. Lecture, discussion and laboratory experiences are required. Prerequisites: Admission to the athletic training program. Co-requisite: ATTR 2353 and 2356.

2353 PREVENTION, RECOGNITION AND CARE OF GENERAL MEDICAL PATHOLOGY This is a required course for athletic training majors. This course provides the opportunity for students to gain knowledge in the assessment, treatment, management, and referral of patients with general medical conditions. Lecture, guest lecture, discussion, and laboratory experiences. Prerequisites: Admission to the athletic training program and NUTR 1300 with a grade of C or better. Co-requisites: ATTR 2255 and 2356.

2356 ATHLETIC TRAINING PRACTICUM This is a required course for athletic training majors. Students will be introduced to the roles and responsibilities of athletic trainers and other health care professionals. This course provides students with the opportunity to gain experience applying assessments and treatments for general medical conditions and for musculoskeletal injuries. Students complete clinical experiences at a variety of practicum sites. Lecture, guest lecture, discussion, laboratory practice, and required clinical experience. Prerequisite: Admission to the athletic training program. Co-requisites: ATTR 2255, 2353 and 3351.

3301 ATHLETIC TRAINING CLINICAL EXPERIENCES I This is a required course for athletic training majors. This course provides students with the opportunity to gain clinical experience in the assessment, diagnosis, care, treatment, rehabilitation and management of injuries occurring to the lower extremities as well as additional experience with the evaluation, treatment and referral of general medical conditions. Lecture, discussion, laboratory, and required clinical

experience. Prerequisites: ATTR 2255, 2353, and 3351 with a grade of C or better and ATTR 2356 with a grade of B or better. Pre-/co-requisite: KPED 3382 with a grade of C or better.

3327 ATHLETIC TRAINING CLINICAL EXPERIENCES II This is a required course for athletic training majors. This course provides students with the opportunity to gain clinical experience in the assessment, diagnosis, care, treatment, rehabilitation and management of injuries occurring to the upper extremities as well as additional experience with the evaluation, treatment and referral of general medical conditions. Lecture, discussion, laboratory, and required clinical experience. Prerequisites: ATTR 3301 with a grade of B or better and ATTR 3354 with a grade of C or better. **[UD UCA Core: C]**

3335 THERAPEUTIC EXERCISE This is a required course for athletic training majors. This course will provide students with the opportunity to develop psychomotor skills in the conditioning and rehabilitation of patients with musculoskeletal conditions. Students will demonstrate their knowledge of the indications, contraindications, and physiological effects of exercise and manual techniques. Primary methods of instruction include lecture, discussion, a research project and required laboratory experiences. Prerequisites: KPED 1125, 1135 and ATTR 2353 with a grade of C or better and ATTR 2356 with a grade of B or better.

3345 THERAPEUTIC MODALITIES This is a required course for athletic training majors. This course will provide students with the opportunity to develop psychomotor skills in the application of therapeutic modalities. Students will demonstrate their knowledge of the indications, contraindications, and physiological effects of physical agents on the healing process. Students will establish a sound rationale for selecting modality protocols that are appropriate for the treatment of patients with musculoskeletal conditions. Primary methods of instruction include lecture, discussion, and required laboratory experiences. Prerequisites: BIOL 2406 and ATTR 3335 with a grade of C or better.

3351 EVALUATION TECHNIQUES FOR LOWER EXTREMITY This is a required course for athletic training majors. This course provides the opportunity for students to gain knowledge and skill in the assessment, treatment, management, and referral of patients with lower extremity injuries. Lecture, discussion, and required laboratory experiences. Prerequisite: Admission to the athletic training program.

3354 EVALUATION TECHNIQUES FOR UPPER EXTREMITY This is a required course for athletic training majors. This course provides the opportunity for students to gain knowledge and skill in the assessment, treatment, management, and referral of patients with upper extremity injuries. Lecture, discussion, and required laboratory experiences. Prerequisite: ATTR 3351 with a grade of C or better.

4301 ATHLETIC TRAINING CLINICAL EXPERIENCES III This is a required course for athletic training majors. This course provides students with the opportunity to develop clinical experience in the assessment, diagnosis, care, treatment, rehabilitation and management of injuries occurring in equipment intensive sports. Students will apply their knowledge and skills in the management of on-field emergency injuries and illnesses. Students will demonstrate an understanding of the principles regarding the fabrication, design, construction, maintenance, and reconditioning of protective equipment. Students will demonstrate how to fit, fabricate and apply a variety of braces, protective padding and taping techniques. Students will gain additional experience with the evaluation, treatment and referral of general medical conditions. Lecture, discussion,

laboratory, and required clinical experience. Prerequisites: ATTR 3327 with a grade of B or better and ATTR 4325 with a grade of C or better.

4315 PROGRAM DEVELOPMENT IN ATHLETIC TRAINING This is a required course for athletic training majors taken during the final semester of enrollment. Students will explore current trends and issues in the profession of athletic training. Students will develop methods for educating others about the profession. 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. Prerequisites: ATTR 4301 with a grade of B or better, ATTR 4330 with a grade of C or better. Co-requisite ATTR 4327. **[UD UCA Core: R]**

4325 HEAD, NECK, AND SPINE INJURY MANAGEMENT This is a required course for athletic training majors. This course provides the opportunity for students to gain knowledge and skill in the assessment, treatment, management, and referral of patients with injuries to the head, neck, thoracic region and spine. Lecture, discussion, and required laboratory experiences. Prerequisite: ATTR 3354 with a grade of C or better.

4327 ATHLETIC TRAINING CLINICAL EXPERIENCES IV This is a required capstone course for athletic training majors taken during the final semester of enrollment. Students will gain experience in off-campus clinical sites. The primary method of instruction is an internship focusing on the transition of the learner from student to an entry-level health care professional. Prerequisites: ATTR 4301 with a grade of B or better, ATTR 4330 with a grade of C or better. Co-requisite: ATTR 4315.

4330 ADMINISTRATION AND MANAGEMENT OF ATHLETIC TRAINING This is a required course for athletic training majors. Students will be given the opportunity to explore management theories and strategies used in athletic training facilities. Specific topics include employment practices, budgeting, inventory, record keeping, facility design, occupational health and safety, computer applications, and legal issues. Lecture, discussion and projects. Prerequisite: admission to the athletic training program.

Biology

URL: http://uca.edu/ubulletin/courses/biology/

[1] Courses in Biology (BIOL)

1100 BIOLOGY LABORATORY FOR GENERAL EDUCATION A general education course. These laboratory exercises introduce students to the structure and function of cells, organisms, and communities. Laboratory only. This course cannot be used to fulfill the Biology major requirements. Prerequisite: Transfer credit for 3 semester hours of introductory biology lecture, or the equivalent, and permission of Department Chair.

1120 INTRODUCTORY BIOLOGY SEMINAR This elective course counts toward the BS degree, but not as a biology elective. The course introduces the field of biological science by discussion and investigation of selected topics. Emphasis is placed on the diversity of career opportunities in biology and biology's relationships to allied sciences.

1305 INTRODUCTION TO ANATOMY & PHYSIOLOGY This course provides an introduction to human anatomy and physiology. Lecture only. This course cannot be used to fulfill the Biology major requirements. No prerequisites.

1400 EXPLORING CONCEPTS IN BIOLOGY A lower-division UCA Core course. This course introduces students to concepts that are central to the scientific study of life and essential for biological literacy. All lower-division UCA Core life science courses address the process of science, as well as a broad range of biological topics, including evolution, genetics, and the structure and function of cells, organisms, communities, and ecosystems. This course equips students who have diverse interests and goals with knowledge and skills for making decisions about health and consumer issues; critically evaluating biological news; and appreciating connections with other species. Lecture and laboratory. This course cannot be used to fulfill Biology major requirements or to satisfy additional science requirements for a B.S. degree. Students who have already successfully completed another course in the BIOL 1400 series (1400, 1401, 1402) cannot earn credit for this course. **[ACTS: BIOL1004]**

1401 EXPLORING ECOLOGY AND THE ENVIRONMENT A lower-division UCA Core course. This course introduces students to concepts that are central to the scientific study of life and essential for biological literacy. All lower-division UCA Core life science courses address the process of science, as well as a broad range of biological topics, including evolution, genetics, and the structure and function of cells, organisms, communities, and ecosystems. This course focuses on the interactions between organisms and their environments and equips students to develop a scientific perspective on current environmental issues, including climate change and loss of biodiversity. Fulfills prerequisite requirements for subsequent courses that require BIOL 1400. Lecture and laboratory. This course cannot be used to fulfill Biology major requirements or to satisfy additional science requirements for a B.S. degree. Students who have already successfully completed another course in the BIOL 1400 series (1400, 1401, 1402) cannot earn credit for this course. **[ACTS: BIOL1004]**

1402 EXPLORING HUMAN BIOLOGY A lower-division UCA Core course. This course introduces students to concepts that are central to the scientific study of life and essential for biological literacy. All lower-division UCA Core life science courses address the process of science, as well as a broad range of biological topics, including evolution, genetics, and the structure and function of cells, organisms, communities, and ecosystems. Students will explore each topic in relation to human biology and will develop a scientific perspective on the human body — its diverse organ systems, interactions with microbes, and the complex ways in which genetic and environmental factors interact in health and disease. Fulfills prerequisite requirements for subsequent courses that require BIOL 1400. Lecture and laboratory. This course cannot be used to fulfill Biology major requirements or to satisfy additional science requirements for a B.S. degree. Students who have already successfully completed another course in the BIOL 1400 series (1400, 1401, 1402) cannot earn credit for this course. **[ACTS: BIOL1004]**

1410 HUMAN ANATOMY AND PHYSIOLOGY I This is the first of a two-part anatomy and physiology course sequence, designed for students who wish to gain an understanding of the structure and function of the human body. Specifically, we will focus on the scientific method, organization of the body and anatomical language, homeostasis, cell and tissue function, the skeletal system, the muscular system, and the nervous system. It is important to recognize that the human body functions due to an elaborate coordination within and between cells, tissues and organs. The

ultimate goal of this course is to provide students a foundation for learning about the anatomy of the organ systems and discover how the systems interact to provide human body function. Prerequisite: Permission of the instructor. **[ACTS: BIOL2404]**

1440 PRINCIPLES OF BIOLOGY I A core course for majors. This course introduces students to the molecular and cellular basis of structure and function of organisms. Lecture and laboratory. Prerequisites: High school chemistry or CHEM 1301 (or above) and a composite ACT score of 21 or higher OR BIOL 1400 (or 1401 or 1402) and CHEM 1301 (or above) both with a grade of C or higher. Students not meeting the prerequisite requirements must have permission of the Biology Department Chair prior to enrollment. **[ACTS: BIOL1014]**

1441 PRINCIPLES OF BIOLOGY II A core course for majors. This course introduces students to the evolution, diversity, anatomy, physiology, ecology, and behavior of organisms. Lecture and laboratory. Prerequisite: BIOL 1440 (C or better).

2405 HUMAN ANATOMY AND PHYSIOLOGY A course primarily for health science majors. This course involves systematic study of body structure and function with an emphasis on homeostasis in the human body as a whole. Lecture and laboratory. This course cannot be used to fulfill the Biology major requirements. Prerequisite: BIOL 1400/1401/1402 or 1440. Not open to those who have passed BIOL 2407.

2406 STRUCTURE AND FUNCTION OF THE HUMAN BODY I A course primarily for health science majors. This course involves a study of structure-function relationships in the skeletal, muscular, nervous, and integumentary systems. Lecture and laboratory. This course cannot be used to fulfill the Biology major requirements. Prerequisites: BIOL 1400/1401/1402 or 1440 and CHEM 1402 or 1450. **[ACTS: BIOL2404]**

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. This course cannot be used to fulfill the Biology major requirements. Prerequisite: BIOL 2406 (C or better). **[ACTS: BIOL2414]**

2410 HUMAN ANATOMY AND PHYSIOLOGY II This is the second of a two-part anatomy and physiology course, designed for students who wish to gain an understanding of the structure and function of the human body. Specifically, we will explore the structure and function of the cardiovascular, respiratory, renal, digestive, endocrine and reproductive systems. Prerequisite: BIOL 1410 (C or better). **[ACTS: BIOL2414]**

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. This course cannot be used to fulfill the Biology major requirements. Prerequisite: BIOL 1400/1401/1402 or 1440 or 1410. **[ACTS: BIOL2004]**

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. This course cannot be used to fulfill the Biology major requirements. Prerequisites: BIOL 1400, 1401, 1402, 1410 **OR** 1440.

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 (C or better).

3V45 INTERNSHIP IN BIOLOGY (Variable credit: 1-4 credit hours.) 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, with approval of the Internship committee. Prerequisites: Approval of the Department and selection by sponsor.

3V50 INDEPENDENT STUDY [Note: This course was BIOL 3150 through Fall 2016.] (Variable credit: 1-4 credit hours.) Individual work under Biology faculty supervision, not normally involving laboratory or field research. This course is designed to supplement regularly organized courses in biology and may serve as an introduction to biological literature review. Course(s) may be credited towards biology elective credit requirements if approved by the Independent Study Committee. Prerequisite: Prior consent of faculty supervisor, academic advisor, and department chairperson.

3V85 UNDERGRADUATE RESEARCH (Variable credit: 1-3 credit hours) This course provides research experiences under faculty supervision designed to supplement regularly organized courses in biology. Prerequisite: consent of faculty mentor. This course may not count as a biology elective.

3190 ECONOMIC BOTANY LABORATORY An elective course for biology majors. This is a lab course that gives students hands-on experience in lecture topics covered in BIOL 3390 (Economics Botany) and will include both laboratory work and field trips to relevant sites in the Conway area. Prerequisite or co-requisite: BIOL 3390.

3305 MOLECULAR BIOLOGY: TECHNIQUES AND CONTROVERSIES This course will introduce students to molecular biology as a method of scientific inquiry. In addition to learning basic techniques for manipulation and analysis of nucleic acids, primary literature will be read and critically evaluated. Impacts of these technologies in a wider context will also be discussed. Prerequisite: 2490.

3310 NEUROETHOLOGY: THE NEURAL BASIS OF NATURAL BEHAVIORS A course for Biology majors. This course introduces the students to the organization of the nervous system, and provides a detailed study of specializations of the nervous system in several different species (including insects, rodents, birds, fish, primates). Lecture only. Prerequisite: BIOL 1440 with a grade of C or higher.

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 (C or better), CHEM 1451, and PHYS 1410.

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. This course cannot be used to fulfill the Biology major requirements. Prerequisites: BIOL 2405 or 2406, and CHEM 1402 or 1450, or permission of instructor.

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. Lecture only. Prerequisites: BIOL 2490 (C or better).

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 (C or better).

3402 CELL BIOLOGY A core course for majors. This course examines cell structure and function with an emphasis on bioenergetics, protein structure and function, and delivery of proteins to the various organelles found in eukaryotic cells. Lecture and laboratory. Prerequisites: BIOL 2490 (C or better), MATH 1390 or above and CHEM 2401. **[UD UCA Core: I, C]**

3403 GENERAL ECOLOGY A core course for biology majors. This introduction to ecology covers population, community, and ecosystem ecology of organisms including bacteria, fungi, plants, and animals. It focuses on the interactions of organisms with each other and with their abiotic environment. Lecture and laboratory. Prerequisites: BIOL 1441 (C or better) and an introductory statistics course (MATH 2311, PSCI 2312, PSYC 2330, or SOC 2321). **[UD UCA Core: I]**

3410 VERTEBRATE ZOOLOGY An elective course for biology majors. This course surveys the classification, functional morphology, and natural history of the vertebrate animals. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better).

3420 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 2490 (C or better) or instructor permission.

4V00 FIELD STUDIES IN BIOLOGY (Variable credit: 1-4 credit hours.) This course is designed to broaden the student's field experience beyond that obtained in regular courses through concentrated first-hand observations of plants, animals, and their environments. May be repeated for a maximum of four credit hours.

4V55 INDEPENDENT STUDY [Note: This course was BIOL 4155 through Fall 2016.] (Variable credit: 1-4 credit hours.) Individual work under Biology faculty supervision, not normally involving laboratory or field research. This course is designed to supplement regularly organized courses in biology and may serve as an introduction to biological literature review. Course(s) may be credited towards biology elective credit requirements if approved by the Independent Study Committee. Prerequisite: Prior consent of faculty supervisor, academic advisor, and department chairperson.

4V85 UNDERGRADUATE RESEARCH (Variable credit: 1-3 credit hours) This course provides research experiences under faculty supervision designed to supplement regularly organized courses in biology. Prerequisite: consent of advisor and Department. Up to four semester hours may count as biology elective credit with approval of department. **[UD UCA Core: Z]**

4V90 SPECIAL TOPICS IN BIOLOGY [Note: This course was BIOL 4390 and 4490 through Fall 2016.] (Variable credit: 1-4 credit hours.) This course examines diverse subjects that would otherwise be unavailable through traditional course offerings. Topics will vary each semester. May be repeated for credit with change of topic.

4205 CONSERVATION EDUCATION Grounded in place-based teaching and using the environment as a context for learning. The course will provide students with activities, lesson plans, and resources in four nationally recognized conservation education curriculum: Project WET, Project WILD, Project Learning Tree, and Leopold Education Project. Upon completion the student will be a certified educator and receive a certification document for each curriculum. This course is designed for undergraduates majoring in Biology and Environmental Science, for graduate students in Biology and Science Education, and for classroom and non-classroom educators seeking ADE professional development credit. The course meets three times over a semester on Friday evenings and Saturdays for training and will conclude with a youth teaching experience.

4250 SCANNING ELECTRON MICROSCOPY AND MICROANALYSIS An elective course for biology majors. This course covers the theory and practice of scanning electron microscopy and X-ray microanalysis, and provides training in sample preparation, examination and analysis, and imaging. Students will complete independent projects. Prerequisites: BIOL 2490 (C or better), PHYS 1420 or 1422, and permission of instructor.

4311 PATHOPHYSIOLOGY A course primarily for health science majors. This course involves discussion of disruptions in normal physiology, including the alterations, derangements, and mechanisms involved in these disruptions and how they manifest themselves as signs, symptoms, and laboratory findings. Lecture only. Prerequisites: BIOL 2405 or 2407 or 4460, or consent of instructor.

4320 NEURODEVELOPMENT AND PATHOLOGY An elective course for biology majors. This course examines current issues in neurobiology with emphasis on disorders and development of the mammalian central nervous system. Lecture only. Prerequisite: BIOL 2490 (C or better).

4330 PRINCIPLES OF THE CARDIOVASCULAR SYSTEM This elective course will analyze the cardiovascular system based upon its two principal parts: (1) the primary “pump” for blood flow, the heart, and (2) the conduit for blood flow, the blood vessels. Students will gain an understanding of the cardiovascular system by analyzing the heart anatomy and function, how blood flows through the blood vessels, and the impact of the nervous system on cardiovascular function. Students will utilize the historical primary literature as a foundation for current experimental ideas. Thus, students will have to analyze, interpret, and discuss historical and up-to-date primary literature. Prerequisite: “C or better” in BIOL 3402.

4340 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 3402 (C or better) or 3420.

4351 GENERAL PHARMACOLOGY A course primarily for health science majors. This course examines how the body handles drugs, and the effects of the various classes of drugs on body systems, including sites and mechanisms of action, therapeutic and side effects, and toxicology. Lecture only. Prerequisite: BIOL 2405 or 2407 or 4460.

4360 ENDOCRINOLOGY An elective course for biology majors. This course involves study of the structure and function of endocrine tissues of vertebrates in regard to growth, puberty, reproduction, metabolism, and stress. Hormonal mechanisms of action are emphasized. Lecture only. Prerequisite: BIOL 3402 (C or better).

4376 VIROLOGY This course will expose students to a brief history of the field of virology, as well as the impact of viruses and viral disease on the daily life of human beings. Students will become well-versed in the different methods of enumerating and studying specific viruses and their life cycles. Upon successful completion of this course, students will have a strong foundation for understanding how viruses infect human beings, replicate, cause disease, and are transmitted to other individuals. This material will be useful for students pursuing either a research or a clinical track of future education and career choices. Prerequisite: BIOL 3402 or 3420 with a grade of C or higher.

4390, 4490 SPECIAL TOPICS IN BIOLOGY This course examines diverse subjects that would otherwise be unavailable through traditional course offerings. Topics will vary each semester.

4400 HISTOLOGY An elective course for biology majors. This course surveys the microscopic anatomy of the vertebrate body. Lecture and laboratory. Prerequisite: BIOL 3402 (C or better).

4401 INVERTEBRATE ZOOLOGY An elective course for biology majors. This course surveys the classification, functional morphology, and natural history of the invertebrate animals. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better).

4404 PLANT TAXONOMY An elective course for biology majors. This course involves the identification, nomenclature, and classification of vascular plants, dealing mainly with Arkansas flora. Laboratory exercises have strong field orientation. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better).

4405 DEVELOPMENTAL BIOLOGY An elective course for biology majors. This course will study the procedures by which organisms grow and develop. Specifically, the course will focus on control of cell growth, differentiation, and morphogenesis in animal and plant systems at the morphological, genetic, cellular and who organism levels. Prerequisites: 2490 (C or better) and 3402 (C or better).

4406 MAMMALOGY An elective course for biology majors. Biology of mammals. Topics covered include systematics, classification, evolution, physiological and behavioral adaptive strategies, conservation, and economic importance. Integrated lab introduces students to Arkansas mammal identification and distribution, and to field study techniques and museum preservation and curation. Required BIOL 2490 (C grade or better), recommended BIOL 3403, and/or BIOL 3410, and/or BIOL 3415.

4407 ORNITHOLOGY An elective course for biology majors. The study of birds. Topics covered include classification, identification, evolution, physiological and behavioral adaptive strategies, conservation, management, and economic importance of birds, with an emphasis on North American avifauna. Integrated lab introduces students to Arkansas and regional / eastern-central U.S. bird identification and distribution, and to field study techniques and museum preservation and curation. Required BIOL 2490, (C grade or better), recommended BIOL 3403, and/or BIOL 3410, and/or BIOL 3415.

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 (C or better).

4412 ORGANISMS IN EXTREME ENVIRONMENTS An elective course for biology and environmental science majors. This course will examine the physiology and ecology of eukaryotic organisms that are known to survive major environmental stresses including high and low

temperatures, desiccation, osmotic stress, high irradiance and exposure to toxins. Lecture and laboratory. Prerequisites: MATH 2311 (or equivalent statistics course) and BIOL 2490 with a grade of C or better.

4414 MOLECULAR MECHANISMS OF AGING We will consider the molecular journey a cell or organism takes as it ages, and discuss the processes that appear to govern our longevity. We will discuss lifespan in terms of cell division cycles, chronological age, and health span. We will examine genetic and environmental influences on aging processes, when and under what conditions genes controlling development and aging may be up- or down-regulated, and to what extent these processes can be intentionally directed. Finally, we will consider current evolutionary theories of aging, including whether aging can be considered "programmed" versus merely a consequence of other processes breaking down and a lack of selective pressure against aging. Lecture and laboratory. Prerequisite: BIOL 3402 with a grade of C or higher. **[UD UCA Core: Z]**

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 (C or better).

4418 BIOLOGY OF THE REPTILIA An elective course for biology majors. This course examines the biology, reproduction, ecology, and conservation biology of reptiles. Laboratory exercises emphasize species identification, field techniques, as well as population and community analysis. Lecture and laboratory. Prerequisites: BIOL 3403 and BIOL 2490 (C or better).

4421 PATHOGENIC MICROBIOLOGY This lecture/lab course covers the essentials of clinical/medical microbiology. Emphasis will be placed on safety issues, handling of clinical specimens, identification techniques, and pathogenicity of specific microbes. Students will learn not only the connection between agent and disease, but how to sample and identify those agents. Prerequisite: BIOL 3420. **[UD UCA Core: Z]**

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 (C or better), CHEM 1402 or 1450, PHYS 1420. **[UD UCA Core: Z]**

4428 ANIMAL PHYSIOLOGICAL ECOLOGY An elective course for biology majors. This course examines the various physiological adaptations that animals use to cope with environmental stress. Lecture and laboratory. Prerequisites: BIOL 3403 and BIOL 2490 (C or better).

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 (C or better).

4431 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 2490 (C or better).

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 (C or better) and CHEM 1451. Pre- or corequisite: MATH 2311. **[UD UCA Core: Z]**

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 (C or better).

4442 RESTORATION ECOLOGY: PRINCIPLES AND APPLICATION An elective course for biology majors. The course focuses on the ecological principles used in ecosystem restorations, the application of restoration to different ecosystems, and the evaluation of actual restorations in both terrestrial and aquatic ecosystems. Lecture and laboratory. Prerequisite: BIOL 3403 (C or better). **[UD UCA Core: Z]**

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 (C or better) and MATH 2311.

4450 PLANT ECOPHYSIOLOGY An elective course for biology majors. This course involves the study of the effects of environment on plant growth, distribution and plant adaptation. Lecture and laboratory. Prerequisite: BIOL 1441 (C or better), MATH 2311 (or equivalent statistics course). **[UD UCA Core: Z]**

4455 ICHTHYOLOGY – THE BIOLOGY OF FISHES An elective for both Biology and Environmental Science majors. Ichthyology is the study of fishes. In this course we will examine diversity, ecology, life history, and physiology of fishes as well as aspects of fisheries management. Fishes comprise more than half of all known living vertebrates, are found in almost every conceivable aquatic habitat and exhibit an enormous array of life history and ecological adaptations. They are also important indicators of environmental quality. This course will emphasize the biology and ecology of fishes in lecture and use a systematic approach to study the taxonomic identification of fishes in lab, stressing identification of southeastern freshwater fishes. Students will also become familiar with various sampling techniques in the field. Prerequisite: BIOL 2490 (C or better).

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 (C or better).

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 (C or better).

4465 ENVIRONMENTAL TOXICOLOGY provides an introduction to the fate, toxicity, and effects of contaminants in ecological systems. This course will focus on the impacts of toxic substances on ecological structures across various levels of biological organization, from individuals to the community and ecosystem level. Students will receive a basic knowledge of both short- and long-term effects of pollution on aquatic and terrestrial organisms and environments. Upon completion of the course, students will have an understanding of the properties and behavior of major classes of chemicals, toxicity testing procedures, concepts and application of ecological risk

assessment for regulation, and current issues in the field. Prerequisites: CHEM 1451; MATH 2311, PSCI 3312 OR PSYC 2330; BIOL 2490, or permission of instructor. **[UD UCA Core: Z]**

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 (C or better).

4475 ADVANCED CELL BIOLOGY This course will explore advanced concepts in cell function and cell communication by introducing topics including, but not limited to, cytoskelatal function, the extracellular matrix, apoptosis, cell division, and motility. This course emphasizes the molecular basis of cellular function and communication through the study of how these processes are intimately interconnected and how they relate to the overall function of both unicellular and multicellular eukaryotic organisms. Lecture and laboratory. Prerequisite: BIOL 3402 (C or better). **[UD UCA Core: Z]**

4480 HISTORY OF LIFE An elective course for biology majors. This course is an introduction to paleobiology, the study of the Earth's life as preserved in the fossil record. Topics will include the fundamentals of historical geology, geologic dating and correlation, the major groups of animals, plants, and microorganisms at different periods in the past, the reconstruction of past environments, and the use of fossil and geological evidence in studying environmental change. Lecture and laboratory.

Courses at the Gulf Coast Research Laboratory

College of Business Travel Courses

URL: http://uca.edu/ubulletin/courses/business-travel-courses/

[1] College of Business Travel Courses (BUAD)

2301 COLLEGE OF BUSINESS TRAVEL CLASS FOR CRITICAL INQUIRY A special topics social science class that includes a significant international or domestic travel experience. The class content will vary as the locations and professors change. This class will meet a lower division Social Science requirement for Critical Inquiry within the UCA Core.

2302 COLLEGE OF BUSINESS TRAVEL CLASS FOR DIVERSITY IN WORLD CULTURES A special topics social science class that includes a significant international or domestic experience. The class content will vary as the locations and professors change. This class will meet a lower division World Cultural Diversity requirement as a Social Science within the UCA Core.

2303 COLLEGE OF BUSINESS TRAVEL CLASS FOR RESPONSIBLE LIVING A special topics social science class that includes a significant international or domestic experience. The class content will vary as the locations and professors change. This class will meet a lower division Responsible Living requirement as a Social Science within the UCA Core.

Chemistry

URL: http://uca.edu/ubulletin/courses/chemistry/

[1] Courses in Chemistry (CHEM)

1301 FUNDAMENTAL CHEMISTRY The purpose of this course is to provide the background necessary for subsequent study in chemistry. Basic concepts of chemistry are discussed for students with limited or no previous chemistry instruction. Lecture, small-group work, and in-class demonstrations are used in the course. CHEM 1301 may not be used to satisfy credit for any degree. Not open to students who have completed CHEM 1402 or 1450.

1400 CHEMISTRY IN SOCIETY Study of chemistry for the lower-division UCA Core (general education) program, with emphasis of learning chemical principles on a need-to-know basis to address societal-technological issues such as environmental problems, energy uses, drugs, polymers, nutrition, and genetic engineering. Small-group work, laboratory instruction, and the worldwide web are all used. Critical thinking and problem-solving skills are emphasized. Three hours of lecture and 2 hours of laboratory per week. CHEM 1400 does not count towards a major or minor in chemistry, a minor in physical science, a major in general science, or a minor in physical science; similarly, this course cannot be used to fulfill the BS special degree requirement. **[ACTS: CHEM1004]**

1402 GENERAL CHEMISTRY FOR HEALTH SCIENCES A required course for BS in Nursing and other allied-health baccalaureate degrees. General chemistry topics related to physiology and other health-related sciences. Lecture, small-group work, and laboratory instruction are used. Three hours of lecture and 2 hours of laboratory per week. It is recommended that students have taken and passed high school chemistry or have completed CHEM 1301 with a C or better. Prerequisite: ACT mathematics score of at least 21 or corequisite/prerequisite of MATH 1390. **[ACTS: CHEM1214]**

1450 COLLEGE CHEMISTRY I A required course for chemistry and biology majors, the biological and chemical physics tracks, and pre-pharmacy, pre-medicine, pre-dental, and pre-veterinarian study. Recommended for pre-physical therapy. Principles of general chemistry with emphasis on their theoretical and quantitative aspects and applications. Lecture, small-group work, and laboratory instruction are used. Three hours of lecture and 3 hours of laboratory per week. It is recommended that students have taken and passed high school chemistry or have completed CHEM 1301 with a C or better. Prerequisite: ACT mathematics score of at least 21 or corequisite/prerequisite of MATH 1390. **[ACTS: CHEM1414]**

1451 COLLEGE CHEMISTRY II Continuation of College Chemistry I. Lecture, small-group work, and laboratory instruction are used. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: grade of C or better in CHEM 1450. **[ACTS: CHEM1424]**

2V01 UNDERGRADUATE RESEARCH (Variable credit: 1 or 2 credit hours.) Research collaboration with a chemistry faculty member. Open to sophomores. Prerequisite: CHEM 1451.

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.

2450 INTRODUCTION TO ORGANIC AND BIOCHEMISTRY Continuation of CHEM 1402; a required course for several allied-health baccalaureate degrees. Organic and biochemistry topics related to physiology and the health-related sciences. Introduction to the structural formulas and reactions of organic molecules followed by the chemistry of biological substances, including their metabolism. Lecture, small-group work, and laboratory instruction are used. Three hours of lecture and 2 hours of laboratory per week. Prerequisite: Grade of C or better in CHEM 1402. **[ACTS: CHEM1224]**

3V01 UNDERGRADUATE RESEARCH (Variable credit: 1 or 2 credit hours.) Research collaboration with a chemistry faculty member. Open to juniors. Prerequisite: CHEM 3411.

3150 ADVANCED INORGANIC LABORATORY Required course for the ACS-certified chemistry BS degree and an elective in the BS with major in chemistry degree. Draws from and complements topics covered in CHEM 4380. Focuses on experimental methods common to inorganic chemistry, including inert atmosphere syntheses, specific characterization techniques, and affiliated instrumentation. Some attention given to experiments in computational chemistry and in materials science. Three hours of laboratory per week. Prerequisite: Grade of C or better in CHEM 3411, 3520; Corequisite: CHEM 4380.

3211 ORGANIC SPECTROSCOPY Required for a chemistry major. Students are introduced to modern methods of molecular structure determination including mass spectroscopy, infrared spectroscopy, and NMR spectroscopy. Students gain practice in the integration of diverse experimental information toward the correct identification of molecular structures. Two hours of lecture per week. Prerequisite: Grade of C or better in CHEM 2401; Prerequisite or Corequisite: CHEM 3411.

3360 INTERMEDIATE INORGANIC CHEMISTRY Extension of principles of chemical structure, periodicity, and applications of inorganic systems to industrial, environmental, and biochemical processes. Three hours of lecture per week. Counts as inorganic credit for ACS-certified BS biochemistry track and the BS in chemistry with minor of choice. It is an elective option for the ACS-certified BS standard track, the environmental science-chemistry track, and the minor in chemistry. Prerequisite: Grade of C or better in CHEM 1451.

3411 ORGANIC CHEMISTRY II Continuation of CHEM 2401. An introduction to the chemistry of common organic functional groups including aromatics, alcohols, ethers, carbonyl compounds, and amines. Both the lecture and laboratory portions of the course emphasize fundamental concepts related to molecular reactivity, multi-step synthesis design, and structure determination using both classical methods and modern spectroscopic methods. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: Grade of C or better in CHEM 2401.

3520 QUANTITATIVE ANALYSIS Theory and practice of gravimetric, volumetric, and instrumental methods of quantitative analysis. The laboratory develops problem-solving and analytical techniques for the proper analysis of a variety of analytes. Three hours of lecture and 6 hours of laboratory per week. Prerequisite: Grade of C or better in CHEM 1451.

4V01 SENIOR RESEARCH (Variable credit: 1 or 2 credit hours.) Original investigation of an assigned laboratory problem. Prerequisite: Junior standing.

4V09 SPECIAL PROBLEMS IN CHEMISTRY (Variable credit: 1-3 credit hours.) Used in special cases for upper-division students.

4112 SEMINAR Formal presentation and discussions of current topics in chemistry by faculty and upper-division chemistry students. One hour of lecture per week. Prerequisite or Corequisite: CHEM 4450 or 4460. **[UD UCA Core: Z]**

4121 BIOCHEMISTRY LABORATORY A laboratory course in modern biochemical techniques investigating proteins, nucleic acids, carbohydrates, and lipids. Four hours of laboratory per week. Prerequisite: CHEM 3411; Prerequisite or Corequisite: CHEM 4320.

4152 ENVIRONMENTAL CHEMISTRY LABORATORY Upper-division elective for chemistry majors and minors and a required course for those in the biology and chemistry tracks of the environmental science program. Uses a laboratory format emphasizing sampling, analysis, and data reduction techniques for multi-component environmental samples. Three hours of laboratory per week. Prerequisite or Corequisite: CHEM 4351.

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.

4320 BIOCHEMISTRY I Required course for the ACS-certified chemistry BS degree: Biochemistry Track; ACS-certified chemistry BS degree: Standard Track; and the BS with major in chemistry 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: Grade of C or better in CHEM 3411 and BIOL 1440.

4335 BIOCHEMISTRY II Required course for the ACS-certified chemistry BS degree: Biochemistry Track and an elective for the ACS-certified chemistry BS degree: Standard Track. Continuation of CHEM 4320. Three hours of lecture per week. Prerequisite: Grade of C or better in CHEM 4320.

4351 ENVIRONMENTAL CHEMISTRY An upper-division elective for chemistry majors and minors and a required course for the chemistry track of the Environmental Science program. The course explores the chemistry of the environment with particular emphasis on the atmosphere, hydrosphere, lithosphere, biosphere, and energy. Discussion/lecture. Three hours of lecture per week. Elective option for the ACS-certified chemistry BS degree: Standard Track. Prerequisites: Grade of C or better in CHEM 3411 and CHEM 3520.

4380 ADVANCED INORGANIC CHEMISTRY Required course for the ACS-certified chemistry BS degree: Standard Track, and an elective for the BS with major in chemistry degree. CHEM 4380 or CHEM 3360 is required for the ACS-certified chemistry BS degree: Biochemistry Track. Emphasis on the periodic properties of the elements and how these derive from modern atomic theory. Uses modern theories of chemical bonding, including molecular orbital theory and symmetry, to outline the systematic chemistry of the transition metals as well as representative main group elements. Introduction to organometallic compounds and their catalysis of important organic

transformations. Emphasizes current primary inorganic literature sources. Three hours of lecture per week. Prerequisite: Grade of C or better in CHEM 4450.

4385 TOPICS IN ADVANCED CHEMISTRY An elective upper-division course for both the ACS-certified chemistry BS degree and the BS with major in chemistry degree. Advanced topics in chemistry based on the quantum mechanical and other concepts of modern physical chemistry. Three hours of lecture per week. Elective option for the ACS-certified chemistry BS degree: Standard Track. Prerequisite: CHEM 4460.

4450 PHYSICAL CHEMISTRY I Required upper-division course for chemistry majors. Modern theoretical chemistry with laboratory applications. Serves as a prerequisite class for advanced chemistry courses. Designed to challenge students to think of chemistry primarily from a molecular and mathematical basis. Topics covered are predominately those relating to quantum chemistry, spectroscopy, and chemical kinetics. Significant amount of computer simulation using modern mathematical software. Three hours of lecture and three hours of laboratory per week. Prerequisites: Grade of C or better in CHEM 1451, PHYS 1442 (or PHYS 1420 if approved), and MATH 1497 (formerly MATH 1592).

4451 ADVANCED ANALYTICAL CHEMISTRY Required upper division course for the ACS-certified chemistry BS degree: Standard Track, and an upper division elective for both the ACS-certified chemistry BS degree: Biochemistry Track, and the BS with major in chemistry degree. This course focuses on instrumentation used in modern chemical analysis for a variety of techniques. Operational theory is a major component of lecture portion of the course. Emphasis is placed on physical phenomena that are probed or manipulated in each technique and their relationships to instrumental optimization. Laboratory experiments illustrate principles of electronics, data acquisition, experimental theory, and specific operation details for each method. Three hours of lecture and three hours of laboratory per week. Prerequisite: Grade of C or better in CHEM 3520.

4460 PHYSICAL CHEMISTRY II Required course for the ACS-certified chemistry BS degree: Biochemistry Track; ACS-certified chemistry BS degree: Standard Track; and the BS with major in chemistry degree. The lecture covers classical thermodynamics, statistical mechanics, chemical equilibria, thermochemistry, and solutions. The laboratory component includes experiments illustrating principles of calorimetry, thermodynamics, and multicomponent systems. Three hours of lecture and three hours of laboratory per week. Prerequisites: Grade of C or better in CHEM 1451, PHYS 1442 (or PHYS 1420 if approved), and MATH 1497 (formerly MATH 1592).

Chinese

URL: http://uca.edu/ubulletin/courses/chinese/

[1] Courses in Chinese (CHIN)

1111 CONVERSATIONAL CHINESE This is an introductory course for modern Chinese. It focuses on the communicative survival skills of the spoken language. Relying on Hanyu Pinyin, a Romanization system of Chinese. Students will not only be able to have basic communicative skills in the language, but also master the pinyin system and take it as a tool for their own conversations and future study in the language.

1410 ELEMENTARY CHINESE I Beginning study of modern Standard Chinese for beginners with no prior exposure to the language. Basic skills are emphasized, including elementary Mandarin pronunciation, grammar, and orthography (in both Pinyin and characters). Discussion/lecture.

1420 ELEMENTARY CHINESE II Continued study of modern Standard Chinese for learners who have had the equivalent of one semester of college Chinese. Basic skills are emphasized, including elementary Mandarin pronunciation, grammar, and orthography (in both Pinyin and characters). Discussion/lecture. Prerequisite: C grade or better in CHIN 1410, departmental placement, or consent of chair.

2V12 CHINESE CALLIGRAPHY: THEORY AND PRACTICE (Variable credit: 1 or 2 credit hours.) This course aims to acquaint students with Chinese calligraphy, a unique form of traditional oriental art. The course covers the historical development of Chinese script from ancient times, the different styles of Chinese calligraphy, and the aesthetic appreciation of this art. It is also a basic skill oriented course covering the origins of the Chinese writing system and the basic strokes of simplified and classical characters. Students will learn the techniques, methods and practice of brush writing. May not be used to fulfill the BA degree foreign language requirement.

2310 INTERMEDIATE CHINESE I This course further develops the four basic language skills, with an emphasis on listening and speaking the acquisition of 300 simplified Chinese characters for short writing assignments on topics used in the textbook. Students will be able to recognize 900 characters by the end of this course. Discussion/lecture. Prerequisite: C grade or better in CHIN 1420, departmental placement, or consent of chair.

2320 INTERMEDIATE CHINESE II This course further develops the four basic language skills, with an emphasis on listening and speaking and the acquisition of 300 simplified Chinese characters for short writing assignments on topics used in the textbook. Students will be able to recognize 1200 characters by the end of this course. Also fulfills Critical Inquiry Humanities elective in UCA Core. Discussion/lecture. Prerequisite: CHIN 2310.

2330 INTRODUCTION TO BUSINESS CHINESE This course consists of two parts: first, the acquisition of basic communication skills for conducting business in Chinese; second, reading and discussion of articles and essays to Chinese business culture. After taking this course, the students are expected to master basic Chinese in daily business affairs such as business meetings, negotiations, attending banquets, etc. They shall also obtain useful knowledge and understanding of Chinese customs and culture that are essential for successful business conduct with the Chinese. The course will be conducted in Chinese and English. Prerequisites: CHIN 2310.

2340 INTENSIVE CHINESE CONVERSATION ABROAD Intensive practice in speaking Mandarin. Students 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 Languages, Linguistics, Literatures, and Cultures. CHIN 2340 cannot be counted toward the major or minor in Chinese, but it may be used to fulfill the three credit hours required at the intermediate level for the B.A. foreign language requirement. Prerequisite: CHIN 1420.

2350 INTERMEDIATE CONVERSATIONAL CHINESE This course is designed for students who have successfully completed Chinese 2310. Students will receive rigorous training that effectively builds descriptive and comparative skills, among others, required for more advanced-level conversations. Related topics in Chinese culture and current events will also be studied. Prerequisite: Chinese 2310 or equivalent or consent of chair.

3300 ADVANCED CHINESE GRAMMAR I This course is designed for students who have completed two years of college-level Chinese and are ready to move on from the intermediate-mid to intermediate-high level. Students will learn how to communicate in broad and specific situational contexts with sophistication, while using complex grammar and rhetorical expressions. By the end of the class, students should be able to comprehend Chinese used in various contexts, to write short memos, and to discuss subject-oriented issues. Prerequisite: CHIN 2320 or consent of chair. **[UD UCA Core: I, C]**

3303 ADVANCED CHINESE GRAMMAR II This course is designed for students who have completed four semesters of college-level Chinese and are ready to move on from the intermediate-high to advanced level. It will refine and synthesize students' previous knowledge of Chinese grammar and vocabulary by focusing on communicative functions. By the end of this class, students should be able to comprehend Chinese used in various contexts, to write short essays, and to discuss subject-oriented issues. Prerequisite: CHIN 2320 or consent of chair. **[UD UCA Core: I, C]**

3312 CULTURE AND SOCIETY: ADVANCED READINGS ON MODERN CHINA An introduction to modern China, CHIN 3312 is designed for students who have completed four semesters of college-level Chinese and are ready to work at the intermediate-high to advanced level. Topics for discussion are drawn from newspaper articles and other media sources on social-cultural issues in China. By the end of the year, students should be able to comprehend Chinese used in various contexts, to write short essays, and to discuss subject-oriented issues. Prerequisite: CHIN 2320 or consent of chair. **[UD UCA Core: D, I]**

3320 ADVANCED READINGS IN CHINESE LITERATURE An introduction to modern Chinese writers and their works from 1919 to the present. Students will learn to read essays, poems, and short stories written in modern Mandarin Chinese. Through reading the literary works, the students will gain a general knowledge of modern Chinese society and culture. Prerequisite: CHIN 2320 or consent of chair. **[UD UCA Core: D, I]**

3330 ADVANCED BUSINESS CHINESE CHIN 3330 continues to develop skills begun in Introduction to Business Chinese (CHIN 2330). CHIN 3330 focuses on special applications of Chinese to the business world. Students will learn topics such as vocabulary, customs and culture in various business contexts. Prerequisites: CHIN 2320 or 2330 or consent of Chair. On demand

3340 ADVANCED INTENSIVE CHINESE CONVERSATION ABROAD Intensive practice in speaking Chinese. 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 Languages, Linguistics, Literatures, and Cultures. Prerequisite: CHIN 2320.

3360 PRACTICUM IN CHINESE:TEACHING CHINESE TO CHILDREN This course is designed to enhance communication skills and cultural knowledge through participation in authentic language experiences. Students will prepare classes and teach Chinese to children for 10 weeks. This authentic language experience (using only Chinese in the classroom) will develop students' proficiency in Chinese as well as their skills in teaching Chinese to others. Prior to and during the teaching experience, students will research best practices for teaching foreign language to children and will plan appropriate learning tasks and materials. After the teaching experience, students will review feedback from parents and reflect on what they have learned in a reflective essay. It may be repeated for 6 hours, but a maximum of 3 hours may be applied to the major or minor program. Prerequisite: CHIN 3300 or 3303 or consent of chair.

3380 ADVANCED COMPOSITION AND TEXTUAL ANALYSIS CHIN 3380 is an advanced-level Chinese course designed to provide students in-depth study of the Chinese language and introduction to textual analysis/explication with an emphasis on stylistics and rhetoric. Prerequisite: CHIN 3300 or 3303 (or equivalent) or consent of chair. **[UD UCA Core: I, R]**

3398 TRAVEL SEMINAR IN CHINA CHIN 3398 focuses on the intensive study abroad experience in China. Topics in Chinese conversation, history, culture, and/or literature may be covered. Prerequisite: CHIN 2320 or consent of chair.

4100 INDEPENDENT STUDY IN CHINESE Independent study course in Chinese designed to meet the individual needs of a student. Credit from one to three hours may be earned in one semester. The work is chosen by the student and the professor with the approval of the department chair. Students may arrange more than one independent study, subject to college and university rules. Prerequisite: consent of instructor and department chair.

4110 CHINESE SENIOR CAPSTONE PROJECT Capstone course required of all Chinese students completing the major program. Students must complete a series of comprehensive assessments including proficiency examinations, self-assessments, essays and a final paper asking students to integrate their linguistic, cultural, and literary knowledge. All students completing the course will be required to complete an official ACTFL Oral Proficiency Interview. Discussion/lecture. Prerequisite: Completion of 24 hours in the major at or above CHIN 2310. **[UD UCA Core: Z]**

4200 INDEPENDENT STUDY IN CHINESE Independent study course in Chinese designed to meet the individual needs of a student. Credit from one to three hours may be earned in one semester. The work is chosen by the student and the professor with the approval of the department chair. Students may arrange more than one independent study, subject to college and university rules. Prerequisite: consent of instructor and department chair.

4300 INDEPENDENT STUDY IN CHINESE Independent study course in Chinese designed to meet the individual needs of a student. Credit from one to three hours may be earned in one semester. The work is chosen by the student and the professor with the approval of the department chair. Students may arrange more than one independent study, subject to college and university rules. Prerequisite: consent of instructor and department chair.

4350 INTRODUCTION TO CHINESE LINGUISTICS This course provides an introduction to the Chinese linguistic system. With a basic examination of linguistic concepts, the course explores Chinese phonetics, phonology, morphology, and syntax. In addition to an overview of the history of the Chinese language, the course focuses on the basics of Chinese pronunciation through a systematic analysis of the language's phonetic composition, based on the International Phonetic Alphabet (IPA) and exemplified with voice recordings of native Chinese speakers. Students are given ample opportunity to practice their pronunciation during the course of the semester, both in classroom exercises and in outside homework and projects. The course will also consider the implications of sociolinguistics and linguistic variation. Required course for all teacher candidates. Prerequisite: CHIN 3300 or 3303 or by consent of chair.

Communication

URL: http://uca.edu/ubulletin/courses/communication-comm/

[1] Courses in Communication (SPCH)

NOTE: All courses at the 2000-level or above require successful completion of prerequisites or consent of instructor *before* enrollment in the course will be permitted.

1300 PRINCIPLES OF COMMUNICATION Study, application, and evaluation of principles of organization, evidence, reasoning, critical thinking, verbal and nonverbal behavior, interpersonal communication, public speaking, and small group interaction in the oral communication setting. The emphasis will be on meeting the individual needs of students through individualized instruction using communication experiences. **[ACTS: SPCH1003]**

1305 COMMUNICATION, CULTURE, AND THE ARTS This first-year seminar explores how communication constructs social, political, religious, educational, and civic dimensions of our culture. Through an understanding of communication theories, and by applying a variety of methods of communication criticism to artistic creations, students will come to understand how the arts exert powerful influences that shape our worldviews and our society. Participation at varied campus and area arts events as audience members provides students with examples and activities illustrating course content and developing an appreciation of the persuasive dimensions of the arts.

1306 COMMUNICATION AND CIVIC ENGAGEMENT This first-year seminar surveys a variety of communicative approaches needed to participate effectively in civic culture, including political, organizational, and community contexts. Emphasizes the fundamental place public communication has in a democracy through group deliberation, public speaking, questioning and responding, petitioning, and letter writing. Provides students opportunities to meet with local civic leaders and to find engagement opportunities on campus and in the surrounding community.

1310 PUBLIC SPEAKING An introduction to effective presentational speaking in informative, persuasive, and special occasion contexts.

2308 PERSPECTIVES IN COMMUNICATION A required course that examines the many perspectives from which communication may be studied. This course serves as an introduction to the discipline of communication. Prerequisite: COMM 1300.

2311 BUSINESS AND PROFESSIONAL SPEAKING Elective course focused on effective communication in professional settings. Emphasizes verbal and nonverbal communication in a variety of organizational contexts. Prerequisite: COMM 1300.

2313 INTRODUCTION TO COMMUNICATION RESEARCH Required course that guides students through the research process, which includes selecting a topic, developing research questions, and writing and organizing a review of scholarly literature in an area of communication. Prerequisite: COMM 1300.

3V21 COMMUNICATION INTERNSHIP (Variable credit: 1-4 credit hours.) Elective course for communication majors and minors that ranges from one to four credit hours. Requires working a minimum of 40 to 160 hours under the supervision of an external communication professional and faculty coordinator, depending on the number of credit hours. Emphasizes gaining practical

experience and developing a portfolio of work produced at the internship site. Prerequisites: COMM 2308, 2313, and nine (9) hours of COMM electives.

3103 COMMUNICATION APPLICATIONS Elective course that provides practical experience in communication (e.g., forensics, case studies, event design, portfolio creation, public communication lab, etc.). May be repeated (up to three total hours for minors; up to six total hours for majors). Prerequisite: Consent of instructor.

3301 ORGANIZATIONAL COMMUNICATION Explores communication within organizations, how this communication affects individuals, and the communication between organizations and their stakeholders using an applied theoretical framework and a focus on ethics. Prerequisite: COMM 2308 or consent of the instructor. **[UD UCA Core: C, R]**

3303 GENDER COMMUNICATION Elective course that explores theoretical perspectives and practical applications regarding gender as examined through the intersection of culture and communication. Prerequisite: COMM 2308 or consent of instructor.

3307 INTERPERSONAL COMMUNICATION Elective course that investigates major theories and research about communicating with others. Focuses on choices and consequences in communication. Students will develop and improve interpersonal skills as applied to their personal and professional lives. Prerequisite: COMM 2308 or consent of instructor. **[UD UCA Core: D]**

3308 ARGUMENTATION AND ADVOCACY Focuses on components of arguments, evaluating evidence, reasoning, and refutation. Provides students with opportunities to participate in public advocacy through writing and speaking as well as formal academic debate. Prerequisite: COMM 2308 or consent of instructor.

3310 ADVANCED PUBLIC SPEAKING An applied course focused on the process of developing effective public presentations. Includes analysis of subjects, selection and arrangement of supporting materials, audience adaptation, and advanced delivery. Familiarizes students with academic, organizational, civic, and ceremonial presentations. Prerequisite: COMM 1300.

3311 EVOLUTION OF RHETORICAL THEORY Elective course that surveys rhetorical theories from ancient to modern times. Applies theories to analyze a variety of texts. Prerequisite: COMM 1300. **[UD UCA Core: I]**

3312 PERSUASION Surveys recent research on and techniques of persuasion in rhetoric, social psychology, advertising, public opinion, and evidence in relation to attitude change. Prerequisite: COMM 2308 or consent of instructor.

3330 EVENT PLANNING Elective course that familiarizes students with key conceptual, communicative, and practical components of the event-planning profession. Students plan and implement a special event applying the five phases of event management: research, design, planning, coordination, and evaluation. Prerequisite: COMM 1300.

3341 SMALL GROUP COMMUNICATION Elective course that explores the dynamics of cooperative communication situations and skills associated with interpersonal relations and group goal achievement. Emphasizes critical thinking, decision making, and problem solving. Prerequisites: COMM 2308 and 2313.

3370 INTERCULTURAL COMMUNICATION Elective course that investigates how language, culture, and tradition shape different worldviews. Emphasizes communication’s role in learning how

to live, socialize, and work effectively with diverse groups of people. Prerequisite: COMM 2308, or consent of instructor.

4V80 DIRECTED STUDY IN COMMUNICATION (Variable credit: 1-3 credit hours.) Elective course for communication majors and minors that provides opportunities for advanced study of specific topics in communication in a one-on-one or small group context. Students who have completed basic and intermediate courses may apply to work with a specific faculty member to study topics that are not regularly offered in the curriculum. Prerequisites: COMM 2308 and 2313, and consent of department chair.

4130 COMMUNICATION PRACTICUM Second course of the capstone for communication majors. Students complete a research project that culminates in a formal presentation. Students hone their critical-thinking competencies by synthesizing disciplinary knowledge with contemporary scholarly research to develop original ideas. Prerequisite: COMM 4336. **[UD UCA Core: Z]**

4305 AFRICAN-AMERICAN RHETORIC Elective course that explores the rhetorical practices of African-Americans from the 1700s to the present. Highlights both the content and form of African-American rhetoric. Topics may include traditional (speeches, essays) and nontraditional (hip-hop lyrics, protests, etc.) texts. Prerequisite: COMM 2308 or consent of instructor.

4310 PRESIDENTIAL RHETORIC Elective course that examines the rhetorical practices of the American presidency. Highlights speech-making and mediated presidential communication. Prerequisite: COMM 2308 or consent of instructor.

4315 COMMUNICATION AND LEADERSHIP Elective course that investigates leadership theory and research from a communication perspective. Topics include trait, style, situational, and contingency approaches to leadership, as well as integrative approaches. Emphasizes assessing student leadership potential and developing effective leadership skills. Prerequisite: COMM 2308 or consent of instructor.

4316 SPECIAL TOPICS IN COMMUNICATION Elective course that provides opportunities to study specific topics in communication. Students who have completed basic and intermediate courses may study specific topics that are not regularly offered in the curriculum. Prerequisite: COMM 2308 or consent of instructor.

4318 CRISIS COMMUNICATION Elective course that investigates the three stages of crisis communication: pre-crisis planning, crisis planning, and post-crisis recovery. Examines crisis communication practices in organizations with emphasis on planning, emergency communication, image restoration, and organizational learning. Prerequisites: COMM 2308 and 2313, or consent of instructor.

4320 NONVERBAL COMMUNICATION Elective course that surveys the history of nonverbal communication research, contemporary research methods in nonverbal communication, diverse nonverbal codes (space, touch, eye gaze, etc.), and the ways nonverbal communication functions in our personal and public lives. Prerequisites: COMM 2308 and 2313, or consent of instructor.

4325 HEALTH COMMUNICATION Elective course that explores issues such as provider-client communication, provider-provider communication and education, intercultural health communication, public health communication, health ethics, and mass media health images. Prerequisite: COMM 2308 or consent of instructor.

4330 FAMILY COMMUNICATION Elective course that helps students understand how, through communication, they develop, maintain, enhance, or disturb family relationships. Emphasizes verbal and nonverbal skills that help promote healthy family communication. Prerequisite: COMM 2308, or consent of instructor.

4334 POLITICAL COMMUNICATION Elective course that focuses on communication related to the American political system. Examines the communicative behavior of politicians, candidates, and strategists as they engage various constituencies, opponents, and the media. Prerequisites: COMM 2308 and 2313, or consent of instructor.

4336 ADVANCED COMMUNICATION THEORY First course of the capstone for communication majors. Examines major concepts, approaches, and issues tied to the study of human communication in preparation for a career. Students begin an original research project that combines disciplinary knowledge with contemporary scholarly research. Prerequisite: COMM 2308 or consent of instructor.

Criminology

URL: http://uca.edu/ubulletin/courses/criminology-crim/

[1] Courses in Criminology (CRIM)

2300 FOUNDATIONS OF CRIMINAL JUSTICE An elective for majors and minors. An overview of the American criminal justice system focusing on law enforcement, the judiciary, and corrections. Lecture and discussion. Prerequisite: SOC 1300.

3370 CRIMINOLOGY A requirement for all criminology majors and an elective for minors and other majors/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.

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.

3381 POLICE AND SOCIETY An elective course for majors and minors. An examination of policing in society with an emphasis on police procedures and investigations, policing history, and investigatory strategies. Lecture and discussion. Prerequisites: SOC 1300 and CRIM 2300.

3391 CORRECTIONAL SYSTEMS An elective course for majors and minors. An examination of the correctional system, including the theoretical basis for correctional systems, rehabilitative programs in corrections, prisonization, and correctional officer subculture. Lecture and discussion. Prerequisites: SOC 1300 and CRIM 2300.

4355 VICTIMOLOGY A requirement for criminology concentration majors and an elective for other majors and minors. This course focuses on the social and psychological impact of crime and the criminal justice system on crime victims, historical and current status of the crime victim movement, and policy alternatives for interactions between victims and the legal and social service agencies. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

4360 SEMINAR / PRACTICUM A requirement for all majors. This course assists the student in the completion of a unique research project. Additional emphasis will be placed on research evaluation, resume construction, and career and educational opportunities for sociology graduates. Prerequisites: 21 hours of criminology including SOC1300, 2321 & 3320 and CRIM 2300 & 3370. Seminar. **[UD UCA Core: Z]**

4365 HOMICIDE: VICTIMS AND OFFENDERS An elective course for majors and minors. An examination of lethal violence in American society and in other parts of the world. An analysis of the structure of interpersonal violence in relation to a range of individual, cultural, and social contingencies. Discussions include the topics of violent offenders, victims of violence, and social policies controlling the expression of violence. Lecture and discussion. Prerequisites: SOC 1300 and CRIM 2300.

4V90 SELECTED PROBLEMS IN CRIMINOLOGY (Variable credit: 1-3 credit hours.) An elective for majors and minors. Independent readings, discussions, and writings will be completed in specific areas of sociology that are of particular interest to the student. Prerequisite: Consent of instructor and department chair.

4370 INTERNSHIP IN CRIMINOLOGY An elective for majors and minors. A structured, supervised work experience. The student completes a minimum of 150 hours within the assigned agency during the term enrolled, maintains a log of activities, and provides the internship coordinator with a final paper. Prerequisites: 21 hours of sociology or criminology including SOC 2321 & 3320 and CRIM 2300 & 3370; junior or senior standing; 2.5 GPA or higher; and consent of instructor.

4395 SPECIAL TOPICS An elective for majors and minors. An in-depth investigation into a significant social issue, emphasizing an examination of competing ideological orientations toward the issue. The topic varies annually but is announced in the course schedule. Maybe repeated for credit with a change in topic. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

Creative Writing

URL: http://uca.edu/ubulletin/courses/creative-writing-crwr/

[1] Courses in Creative Writing (CRWR)

2310 INTRODUCTION TO CREATIVE WRITING This course introduces students to several core components of successful creative expression and allows students to practice them through composing original, imaginative work in poetry, prose, and other genres depending on the instructor's expertise. Class time will be devoted to workshops, invention exercises, and the

discussion of guided reading assignments. The course is required for both creative writing and writing majors and minors. Lecture, discussion. **[ACTS: ENGL2013]**

3320 FORMS OF SCREENWRITING Comprehensive examination of the formal elements of the literary art of scriptwriting. The course will address aspects of screenwriting (cinematic narration, script format, contemporary film theory, and technical considerations). The course is taught as a workshop. Prerequisite: CRWR 2310.

3321 FORMS OF PLAYWRITING This course is an elective in the major and minor in Writing and Creative Writing. It is a comprehensive examination of the formal elements of the literary art of playwriting. The course will address various elements of dramatic writing for the theatre and will address aspects of stage design, script formatting, contemporary dramatic theory, and technical considerations. Class projects will include reading various genres of plays, reacting to those plays, and writing original scenes in those styles, some of which will be workshopped. Students are required to complete original scripts. Prerequisite: CRWR 2310.

3325 FORMS OF POETRY Comprehensive examination of the formal elements of the literary art of writing poetry, with an emphasis on the study of prosody, traditional and contemporary poetics, poetic craft, and other technical aspects of the art. The course is taught with a workshop component. Lecture, discussion. Prerequisite: CRWR 2310.

3330 FORMS OF CREATIVE NONFICTION This course will provide an in-depth consideration of, and practice in, several of the many forms of creative nonfiction writing. These forms may include memoir, profile, essays about place and journeys, and lyrical and meditative essays, among others. Forms will be determined by instructor interest and expertise. The course will have a workshop component. Lecture, discussion. Prerequisite: CRWR 2310.

3331 FORMS OF ILLUSTRATED NARRATIVE This course is an upper-division workshop course that provides students with a comprehensive overview of the formal elements of illustrated and interactive narratives with an emphasis on the study of comic art, collage, computer-generated projects, literary works accompanied by visual art or photography, gaming storylines, installations, and other forms of illustrated/interactive narratives. Students will practice different forms and submit a portfolio of original work at the end of the course. Students will also study many established writers and artists in the genre as models, as well as examine critical articles on illustrated narrative design and theory, but most class time will be devoted to examining students' works-in-progress. Some class time will be devoted to peer review and discussion, invention exercises, and marketing strategies. This course has a workshop component. Lecture, discussion. Prerequisite: CRWR 2310.

3335 FORMS OF FICTION This course will provide an in-depth consideration and practice of one of the many forms of fiction writing, which may include, flash fiction, magical realism, mystery writing, science fiction, and metafiction. Subjects will be determined by instructor interest and expertise. This course has a workshop component. Lecture, discussion. Prerequisite: CRWR 2310.

3345 FORMS OF WRITING FOR CHILDREN This course is an elective for the Creative Writing major and minor, and the Writing major and minor. This course will provide an in-depth examination of the craft and technical considerations involved in creating various forms of writing for children, including, but not limited to, the picture book, the easy-reader, the chapter book, the middle grade novel, the young adult novel, the nonfiction book, the magazine story and the nonfiction magazine article. Students will also learn about the markets for each form and how to navigate them. This course has a workshop component. Prerequisite: CRWR 2310.

3370 POETRY WORKSHOP An upper-division workshop course focusing on the writing of original poetry. Students will present drafts of work for peer review and discussion and will submit a portfolio of original material at the end of the course. Some class time will be devoted to readings, invention exercises, and marketing strategies. Prerequisites: CRWR 2310 and CRWR 3325.

3371 FICTION WORKSHOP An upper-division workshop course focusing on the writing of original fiction. Students will present drafts of original work for peer review and discussion and will submit a portfolio of original material at the end of the course. Some class time will be devoted to readings, invention exercises, and marketing strategies. Prerequisites: CRWR 2310 and CRWR 3335.

3372 CREATIVE NONFICTION WORKSHOP An upper-division workshop course focusing on the writing of original creative nonfiction. Students will present drafts of original work for peer review and discussion and will submit a portfolio of original material at the end of the course. Some class time will be devoted to readings, invention exercises, and marketing strategies. Prerequisites: CRWR 2310 and CRWR 3330.

3373 ILLUSTRATED NARRATIVE WORKSHOP An upper-division elective workshop course focusing on the writing of original illustrated and/or interactive narratives. Students will present drafts of work for peer review and discussion and will submit a portfolio or original material at the end of the course. Some class time will be devoted to readings, invention exercises, and marketing strategies. Prerequisites: CRWR 2310 and CRWR 3331.

3374 TRAVEL WRITING WORKSHOP An upper-division workshop course exploring the genre with a focus on the writing of original travel writing. Students will present drafts of work for peer review and discussion and will submit a portfolio of original material at the end of the course. Some class time will be devoted to readings, invention exercises, and revision strategies. Prerequisites: CRWR 2310 and CRWR 3330.

3375 WORKSHOP IN WRITING FOR CHILDREN An upper-division course that examines the specific craft of writing and publishing for children. Students will submit drafts of works for children at various points throughout the semester for instructor and class feedback. These might include: picture books, nonfiction, middle grade books, and young adult novels. Students will also complete an author study in which they examine in-depth the artistic development of a children's writer whose work informs their own. Each student will complete a reading journal. Prerequisites: CRWR 2310, CRWR 3331, and CRWR 3345.

3376 SCREENWRITING WORKSHOP This course is an upper-division workshop course focusing on the writing of original screenplays. Students will present drafts of work for peer review and discussion and will submit a portfolio of original material at the end of the course. Some class time will be devoted to readings, invention exercises, and marketing strategies. Prerequisites: CRWR 2310 and CRWR 3320.

3377 GENRE FICTION WORKSHOP This course is an upper-division workshop course focusing on the writing of original genre fiction. The genres may include horror, science fiction, fantasy, mysteries, westerns, and others. Students will present drafts of work for peer review and discussion and will submit a portfolio of original material at the end of the course. Some class time will be devoted to reading established genre fiction, invention exercises, and marketing strategies. Prerequisites: CRWR 2310 and CRWR 3335.

3378 PLAYWRITING WORKSHOP This course is an upper-division elective in the Creative Writing major and minor and the Writing major and minor. The workshop course focuses on the development of plot, action, character, and dialogue and on the writing of original plays/scripts for the stage. Students are required to complete original scripts. Students will present drafts of work for peer review and discussion and will submit a portfolio of original material at the end of the course. The class will be offered as a studio course on demand with some class time being devoted to readings, invention exercises, and marketing strategies. Prerequisite: CRWR 3321.

4324 TOPICS IN CREATIVE WRITING This course will provide students a more concentrated focus on specific areas, sub-genres, trends, schools, and developments in the creative writing discipline. The topics will vary according to instructor interest and expertise. Prerequisite: CRWR 2310 and completion of six hours of upper-division creative writing courses. Lecture, discussion. **[UD UCA Core: Z]**

4340 TEACHING CREATIVE WRITING This course is designed for students who might teach creative writing or include creative writing in their curriculum at the K-University levels. Areas to be covered include the history of creative writing pedagogy, up to and including modern pedagogical approaches to the field. In addition to discussion and lectures, students will observe and describe creative writing classes at levels pertinent to their teaching interests and develop an integrated practice lesson. Prerequisites: CRWR 2310 and completion of six hours of upper-division creative writing courses. Lecture, discussion. This class fulfills a "Topics" course requirement.

4371 NOVEL WRITING WORKSHOP This course explores key aspects of fiction writing as they relate directly and specifically to the creation of a novel; that is, a book length work of fiction. The course is designed for students who are already grounded in the fundamentals of creative writing and who have explored the genre of fiction writing sufficiently well to know that they have ambitions to write novels. Students will learn how to plan, generate, examine, reexamine, expand, cut, and focus a book length imaginative work as well as how to integrate the work of novel writing into one's larger life. Students will compose a portion of their own novels. These novel chapters will be workshopped, and revisions to the chapters will be expected by semester's end. Lecture, discussion. Prerequisites: CRWR 2310 and completion of six hours of upper-division creative writing courses. This class fulfills a "Topics" course requirement.

4372 NOVELLA WORKSHOP The Novella Workshop is a course designed to increase your understanding of the novella form, help you develop a critical awareness of how novellas work, and enable you to write one of your own. You will study ten novella-length works from different cultural traditions, learn to analyze and critique them, and write your own novella, which will be extensively workshopped in class. Prerequisites: CRWR 2310 and CRWR 3335.

Computer Science

URL: http://uca.edu/ubulletin/courses/computer-science/

[1] Courses in Computer Science (CSCI)

1110 INTRODUCTION TO ELECTRONIC SPREADSHEETS A service course for non-majors. This course is an introductory course in electronic spreadsheets. A basic knowledge of computer usage is assumed.

1115 INTRODUCTION TO DATABASES A service course for non-majors. This course is an introductory course to database technology. Coverage includes data retrieval, creation of forms, and report generation. A basic knowledge of computer usage is assumed.

1120 INTRODUCTION TO PRESENTATION SOFTWARE A service course for non-majors. This course is an introductory course for the use of presentation software tools. A basic knowledge of computer usage is assumed.

1300 INTRODUCTION TO COMPUTING A service course for non-majors that introduces the fundamental concepts and terminology of computing, history of computing, social impact of computers, software concepts, problem-solving, introduction to computer operations with popular system software such as Microsoft Office. Basic skills are taught for word processing, electronic spreadsheets, database management systems, and presentation software. **[ACTS: CPSI1003]**

1340 INTRODUCTION TO PROGRAMMING I An introductory course on computational thinking and programming in a current high-level programming language. Students gain computational problem solving ability through design and develop solutions related to real world applications. Prerequisite: MATH 1390 or consent of instructor.

1470 COMPUTER SCIENCE I An introductory course for computer science majors and minors with major emphasis on problem solving and programming. The programming component covers data types, input/output statements, control statements, pointers, subprograms and functions, and structures. Prerequisite: MATH 1390.

1480 COMPUTER SCIENCE II A continuation of Computer Science I for majors and minors that emphasizes problem solving and programming using dynamic memory management and object-oriented programming (OOP) paradigm. Prerequisites: C or better in CSCI 1470.

2320 DATA STRUCTURES A required course for majors and minors. The fundamental data structures including sets, lists, trees, and graphs are studied. Various methods of implementing these structures are investigated and analyzed. Prerequisite: CSCI 1480.

2440 ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION A required course for majors and minors. Introduction to the organization and design of digital computers with an emphasis on assembly languages, number systems and internal codes, Boolean algebra and the simplification of Boolean functions. Also included are low-level hardware configurations and instruction sets, addressing modes, interrupts, and sequential logic. Prerequisite: CSCI 1480.

3190 SOCIAL IMPLICATIONS OF TECHNOLOGY A required course for majors that introduces the effects of computer technology on society and individuals, and to the ethics of computer professionals. Topics include privacy, the nature of work, centralization versus decentralization, and the need for human factor analysis in the development of new computer systems. Prerequisites: CSCI 2320 or consent of instructor.

3V75 INTERNSHIP IN COMPUTER SCIENCE An elective for majors. The student enrolled in this course will work for a local industry, business, or government entity for a semester. This course is reserved for upper-division computer science majors. Up to 3 credits may be applied toward CS upper level electives toward the degree. Prerequisites: junior or senior status, and approval by the department.

3330 ALGORITHMS A required course for majors and minors that studies algorithmic development strategies including divide-and-conquer, greedy method, dynamic programming, search

and traversal techniques, backtracking, and branch-and-bound. The theory of NP-Hard and NP-Complete problems is introduced. Analysis of algorithms is also included. Prerequisites: CSCI 2320, MATH 2330.

3335 NETWORKING An elective for majors that introduces communication concepts, structure and organization of communications systems, communications media, speed disparity problems, communications hardware and software, communications monitors, polling, line protocols, partition management, future trends in communications. Prerequisite: CSCI 2320 or consent of instructor.

3345 HUMAN-COMPUTER INTERACTION This course introduces fundamentals of human-computer interaction: human processes, computer processes, design processes, task analysis and evaluation, prototyping, multimedia, and user-centered interface design and development. Prerequisite: CSCI 2320.

3360 DATABASE SYSTEMS A required course for majors. Database models with the emphasis on relational database, the concept and mathematical foundations of relational database, the formalization of relations, the SQL database definition/manipulation language, and entity relationship database design method. Prerequisite: CSCI 2320. **[UD UCA Core: C]**

3370 PRINCIPLES OF PROGRAMMING LANGUAGES A required course for majors that introduces the 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.

3380 COMPUTER ARCHITECTURE An elective 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.

3381 OBJECT-ORIENTED SOFTWARE DEVELOPMENT WITH JAVA A required course for majors. This course introduces object-oriented programming design and implementation. It covers the object oriented programming basics, building applets, multimedia, 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.

3382 MULTI-CORE AND MULTITHREADED PROGRAMMING An elective course for upper level Computer Science majors. Topics include program design and development to gain performance from multiprocessing/multi-core hardware, efficient use of hardware resources, cache-aware programming, optimum memory efficient programming techniques, increased application responsiveness and throughput, effective exploitation of the inherent threadedness in hardware/multi-core, deadlock and race condition detections and solutions, software metrics for measuring the multithreaded programs, and introducing new technologies for multithreading such as C++11/14, Open MP, WebCL, OpenCL, and CUDA.

3385 ARTIFICIAL INTELLIGENCE An elective for majors. The course introduces the elements of artificial intelligence covering knowledge representation and pattern matching, search techniques, natural language processing, logic and inference, machine learning, problem solving, expert systems, and programming in PROLOG/LISP. Prerequisite: CSCI 3330.

4191 SEMINAR IN APPLIED COMPUTING Investigation of current development in computer science by attending and giving presentations supervised by a faculty member. Prerequisite: upper level status.

4V95 INDEPENDENT STUDY (Variable credit: 1-3 credit hours) An elective for majors. May be repeated with a change in content for a maximum of 6 semester hours. Prerequisite: Consent of instructor.

4300 OPERATING SYSTEMS A required course for majors. Introduction to operating systems, historical development, serial batch systems, multiprogramming systems, time-sharing systems, real-time systems, control programs, job control language, job management, task management, data management, interrupt handling, and concepts of telecommunication. Prerequisites: CSCI 3330 and 3380.

4305 LINUX/UNIX SYSTEMS An elective course for upper-level Computer Science majors. Topics include Linux operating environment and architecture, command line Linux utilities, application development under Linux, virtualization, building and using libraries, POSIX threads programming, synchronization and semaphores, shared memory programming, advanced file handling, regular expressions, shells and shell scripting in various languages. Prerequisite: CSCI 2320.

4310 INTRODUCTION TO SCIENTIFIC COMPUTING An elective course for majors and others interested in data analysis with appropriate programming and mathematical background. This course introduces numerical methods to analyze data with modeling, algorithm development and implementation, software tools, and applications. Prerequisite: MATH 3320 or consent of instructor.

4315 INFORMATION SECURITY This course introduces the basic concepts, principles, and the state-of-the-art technologies in the realm of computer/network security and information assurance. It introduces topics ranging from cryptographic techniques to trusted systems to multilevel security to network security to ethics in the computing profession. Students will learn fundamental concepts of security that can be applied to many traditional aspects of computer programming and computer system design. Prerequisite: CSCI 2320. **[UD UCA Core: R]**

4340 INTRODUCTION TO PARALLEL PROGRAMMING An elective course for majors that introduces algorithms, data structures, and techniques of parallel computation. Topics include: common types of parallel hardware, principles of parallel system design, communication topologies, development and testing of parallel programs, design of parallel algorithms, and problems associated with distributed parallelism. Prerequisite: CSCI 3330 or consent of the instructor.

4350 COMPUTER GRAPHICS An elective for majors that introduces fundamental interactive 3D computer graphics programming techniques using OpenGL library. This is a programming intensive course. Prerequisites: CSCI 2320 and MATH 3320.

4353 INTRODUCTION TO MULTIMEDIA COMPUTING This course introduces the concepts, principles, and the state-of-the-art technologies related to multimedia computing, including graphics, audio, image, video, animation, text, etc. Topics will include multimedia information capture, digitization, compression, network communication, and practical applications. Prerequisite: CSCI 2320.

4355 DISTRIBUTED OBJECT COMPUTING An elective for majors that introduces distributed-object computing and its use in client/server and real-world computing applications. It presents the

fundamental concepts of distributed-object computing with applications in internet computing. Prerequisites: CSCI 3330 or consent of the instructor.

4357 PROGRAMMING MOBILE DEVICES An elective course for computer science majors. This course covers the development of applications for network-enabled mobile devices. Topics include memory management, custom user interface development, event handling, animation using 2-D/3-D graphics, audio and video application programming, and data storage/persistence. Prerequisite: CSCI 3381.

4360 SPECIAL TOPICS IN COMPUTER SCIENCE An elective for majors that studies new and advanced topics in computer science. May be repeated for credit with a change of topic. Prerequisite: upper-level status and consent of instructor.

4365 WEB TECHNOLOGY An elective course for majors. This course is designed to familiarize students with concepts and techniques surrounding the building of distributed internet web-based applications. The course will introduce interactive client-server web applications that can be built using various types of Internet technologies. The demonstration of database-driven web sites is performed with the software architecture involved in each tier explored in detail. Common-Gateway-Interfaces are implemented for processing both client and server output data. Security issues and strategies, pertaining to an enterprise-wide web-based application are examined and implemented. Prerequisite: CSCI 3330.

4370 DATA MINING An elective course for majors. This course introduces the basic concepts, principles, and the state-of-the-art technologies for Data Mining including Introduction of Data Mining, Data Preprocessing, Data Warehouse, Association Rules, Classification, and Clustering. Specific applications in financial data and Bioinformatics are included. Prerequisite: CSCI 3360.

4381 ADVANCED JAVA PROGRAMMING An elective course for Computer Science majors. This course covers the development of network-enabled applications, website deployment, and mobile applications built using the Android Platform. Topics include advanced client-server techniques using Java networking features, website deployment using the Java Server Programming Interface, and Android mobile application development consisting of custom user interfaces, 2-D animations, and multimedia integration. Prerequisite: CSCI 3381.

4390 THEORY OF COMPUTATION An elective for majors. Introduces the elements of theory of computing covering basics of automata theory, formal languages, and Turing machines. Prerequisites: CSCI 2320 and MATH 2330.

4490 SOFTWARE ENGINEERING A required course for majors that introduces basic principles of software engineering, including requirement analysis, specification design, testing, and software maintenance. A non-trivial computer software system from initial concept to a working system is developed in a team environment. Prerequisite: C or better in CSCI 3381. **[UD UCA Core: Z]**

Communication Sciences and Disorders

URL: http://uca.edu/ubulletin/courses/communication-sciences-and-disorders/

[1] Courses in Communication Sciences and Disorders (CSD)

2300 INTRODUCTION TO COMMUNICATION SCIENCES AND DISORDERS Required 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.

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.

2306 NEUROSCIENCE FOR COMMUNICATION Required study of neuroanatomy and neurophysiology of the central and peripheral nervous systems as they relate to speech and language. Anatomy and physiology of the hearing mechanism is included. Open to all students.

2322 APPLIED PHONETICS Required introductory study of the principles of phonetic science with practical application. Lecture and laboratory practice in phonetic transcription. Open to all students.

3300 PHONOLOGICAL ACQUISITION A study of the development of the phonological system from birth through early elementary school years. Interactions of the sound system with other linguistic, motor, and cognitive behaviors will be identified. Lecture. Prerequisites: consent of instructor.

3301 ARTICULATION AND PHONOLOGICAL DISORDERS Required. A study of etiology, evaluation, and therapy for children and adults having articulation/phonological defects. Lecture and discussion. Prerequisites: CSD 2322.

3306 ANATOMICAL AND PHYSIOLOGY FOR COMMUNICATION SCIENCES AND DISORDERS Required. A study of anatomy, physiology, and related pathophysiology of the vocal mechanism and other body structures involved in motor and sensory aspects of speech production. Lecture and discussion. Prerequisite: consent of instructor.

3311 FUNDAMENTALS OF SPEECH AND HEARING SCIENCE Required. A study of basic sound, mathematical computation of sound intensity and pressure, and physiological aspects of acoustics. Lecture, discussion, and laboratory practice in the speech-science lab. Prerequisite: CSD 2322.

3320 LANGUAGE DISORDERS IN CHILDREN A study of theories and practices pertaining to developmental, organic, and psychological language disturbances in children, including an overview of other disciplines involved in childhood language disorders. Lecture. Prerequisites: CSD 3321, consent of instructor.

3321 LANGUAGE ACQUISITION AND LITERACY Required. A study of normal speech and language acquisition and growth from first vocalization to abstract thought. Lecture. Prerequisite: consent of instructor.

3335 BIRTH TO FIVE: ASSESSMENT AND INTERVENTION Required. Methods in assessment and intervention of communication skills with young children (birth-5 years) exhibiting specific language impairment or developmental disabilities. Prerequisites: CSD 3321 or consent of instructor.

4V45 SPECIAL TOPICS (Variable credit: 1-3 credit hours.) Topics in communication sciences and disorders to be determined by the needs of students who enroll.

4220 DIAGNOSIS AND PLANNING Required. Practice in writing and interpreting a variety of reports used in the field of speech-language pathology. Planning goals for therapy from these reports will also be emphasized.

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: consent of instructor.

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.

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.

4311 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: consent of instructor. **[UD UCA Core: R]**

4315 AURAL REHABILITATION Required. Clinical and educational management of deaf/hard of hearing children and adults. This includes services and procedures for lessening or compensating for a hearing loss and involves facilitating adequate receptive and expressive communication. Prerequisite: CSD 4311. **[UD UCA Core: D]**

4325 CLINICAL METHODS Required. An introductory study of clinical management of speech, language, and hearing disorders, preparing students for clinical practicum experiences. Lecture and discussion. Prerequisite: CSD 2300, 3321, 3301, 3335.

4326 DIAGNOSTIC METHODS Required. A study of the methods and procedures for diagnosing and appraising disorders of speech, language, and hearing, including study of and practical experience in administration of tests applicable to these disorders. Lecture, discussion, and in-class laboratory practice. Prerequisite: CSD 2300, 3321, 3301, 3335.

4330 NEUROGENIC COMMUNICATION DISORDERS Overview of neurogenic communication disorders. Etiologies, diagnoses, assessment, and treatment methods will be reviewed. The normal aging process in adults and the effects of aging on communication systems will also be provided. Prerequisite: consent of instructor.

4340 RESEARCH PRINCIPLES AND PRACTICE Required. The course will cover principles of the scientific method and measurement theory, sampling, generalization, and validity and reliability. Students will learn to become critical consumers of quantitative research in the field of communication sciences and disorders. Prerequisite: consent of instructor. **[UD UCA Core: I, C]**

4343 CAPSTONE IN COMMUNICATION SCIENCES AND DISORDERS Required. This course is designed to challenge senior-level CSD majors critically and globally about the basic communication processes that are applicable to the etiology, assessment and treatment of

communication disorders. A project will be completed, expanding on all aspects of the undergraduate CSD curriculum and providing advanced CSD applications. **[UD UCA Core: Z]**

4350 HONORS IN COMMUNICATION SCIENCES AND DISORDERS 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 honors designation and upon completion will present the paper to an audience of faculty and peers. Discussion and research. Prerequisites: consent of instructor.

4400 LANGUAGE DISORDERS ACROSS THE LIFESPAN Required. A variety of adult and childhood disorders will be addressed along with evidence-based assessment and treatment issues. Prerequisite: CSD 3321.

Economics

URL: http://uca.edu/ubulletin/courses/economics/

[1] Courses in Economics (ECON)

1310 MODERN POLITICAL ECONOMY UCA Core lower division elective in the Responsible Living Area and a lower division elective for the BA economics degrees. The mode of instruction is lecture/discussion. Human social order from the economic perspective. Roles and institutions developed in the Western world to deal with problems of scarcity, alternatives, and choice. Major tools of economic analysis and application to diverse social and political problems, both contemporary and historic.

2310 GLOBAL ENVIRONMENT OF BUSINESS UCA Core lower division elective in the Diversity in World Cultures area, a required course of all business majors, and a lower division elective in the BA economics degree. The mode of instruction is lecture/discussion. Examination of the various economic, institutional, and cultural practices that guide international trade and commerce in the modern world. Includes international institutions, exchange rates, and commercial policy.

2320 PRINCIPLES OF MACROECONOMICS UCA Core lower division elective in the Social Science area and required course of all business majors, economics majors, economics minors, and actuarial studies minors. The mode of instruction is lecture/discussion. The course is half of the disciplinary core in economics, designed for students who will need competence in interpreting macroeconomic events and forecasting the effects of macroeconomic policies within their major studies and in subsequent careers. It is a study of the market for goods, capital, labor, and money; national economic goals and policies. Tools of macroeconomic analysis. Prerequisite: MATH 1390. **[ACTS: ECON2103]**

2321 PRINCIPLES OF MICROECONOMICS UCA Core lower division elective in the Social Sciences area and required course of all business majors, economics majors, economics minors, and actuarial studies minors. The mode of instruction is class lecture and discussion. The course is half of the disciplinary core in economics, designed for students who will need competence in employing the tools of economic analysis within their major studies and in subsequent careers. It is a study of markets, resource allocation, consumer and producer behavior, production, costs, market structure,

and the role of government in markets. Tools of microeconomics analysis. Prerequisite: MATH 1390. **[ACTS: ECON2203]**

3301 INTERMEDIATE MICROECONOMICS A required course for the BS and BBA degrees in economics and the minor in economics. An elective for the BA 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.

3302 INTERMEDIATE MACROECONOMICS UCA Core upper division elective in the Critical Inquiry and Effective Communication areas. A required course for economics majors and minors. The mode of instruction is lecture/discussion. Determinants of aggregate levels of production, employment, and prices. Public policy implications of recent developments in business and the macroeconomy. Prerequisites: ECON 2320 and 2321. **[UD UCA Core: I, C]**

3310 PUBLIC FINANCE UCA Core upper division elective in the Responsible Living area. This course is an elective within the economics major and minor. Instructional delivery is a lecture/discussion format. It uses microeconomic tools of analysis to understand how governments raise and spend money. Concepts covered include the influence of government on resource allocation, government response to market failure, public choice, social goods, the nature and extent of government expenditures and revenues, public debt, and the impact of government fiscal policy. Prerequisites: ECON 2320 and 2321. **[UD UCA Core: R]**

3315 LABOR ECONOMICS An elective for majors and minors in economics and business administration, this course applies the elementary tools of economics to 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.

3330 ENVIRONMENTAL ECONOMICS UCA Core upper division elective in the Responsible Living area. An elective course for economics majors and minors. 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. Prerequisite: ECON 1310 or equivalent. **[UD UCA Core: R]**

3335 ECONOMETRICS This course is required for the BS in economics and an elective for the BBA, BA economics majors, and minors in actuarial studies and economics. Students organize data and use empirical methods to better understand economic theories. Students will use the data to test economic theories, to measure the magnitude of important casual relationships, and to predict future economic phenomenon. This course will cover the following topics: Linear Regression, Hypothesis Testing within the Linear Model, Violations of the Classical Assumptions (and how to deal with these violations), Time Series Models, Limited Dependent Variable Models, Simultaneous Equations, and Forecasting. The course will be applications based. Instructors will emphasize using

computers and software to analyze data. Prerequisites: QMTH 2330 or another statistics class, and ECON 2320 and ECON 2321, or approval of EFIRM chair.

3382 INTERNSHIP IN ECONOMICS This is an elective course open to Economics majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Junior standing.

4V95 SPECIAL PROBLEMS IN ECONOMICS (Variable credit: 1-3 credit hours.) A course in economics on a special topic or issue. The topic will vary from semester to semester. Prerequisite: consent of department chair.

4320 COMPARATIVE ECONOMIC SYSTEMS A required course for the BA economics major and an elective in the BS and BBA 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.

4335 INTERNATIONAL TRADE UCA Core upper division elective in the Diversity area. A required course for the BA and BBA economics degrees and an elective for BS economics majors and economics minors. Instructional mode includes both lecture and discussion. The course will cover trade theory and policy, foreign exchange systems and markets, the macroeconomic implications of the balance of payments, motivation for trade, gains from trade, and the emergence and impact of free trade zones. Prerequisites: ECON 2320 and 2321. **[UD UCA Core: D]**

4340 MANAGERIAL ECONOMICS An elective course for economics majors and minors. Instructional mode includes both lecture and discussion. The course focuses on the application of the tools of microeconomic theory to the analysis and solution of managerial problems confronting the business firm. The course utilizes spreadsheets and data analysis and examines alternative pricing strategies and organizational structures of firms and industries. Prerequisites: ECON 2320 and 2321.

4360 HEALTH CARE ECONOMICS This course is an elective within the economics majors and minor. The method of instruction is class lecture and discussion as well as student research, writing, and presentation, using both library and Internet sources. Students learn to apply the tools of economic and financial analysis to numerous current issues in the United States health care system, including market and institutional characteristics of health care delivery, consumer choice and principal-agent relationships in health care, and government programs and policies. Survey of major delivery and financing reform proposals. Prerequisite: ECON 2321.

4375 ECONOMICS OF DEVELOPING NATIONS This is a required course for the BA economics major and an elective for the BA economics degree, the BS economics degree, and economics minor. The mode of instruction is lecture/discussion. Important approaches to economic development and analysis of the factors that influence economic growth and development. Emergence of new economic powers in Asia, Latin America, and Europe. Prerequisites: ECON 2320 and 2321.

4380 SENIOR SEMINAR IN ECONOMICS UCA Core upper division elective Capstone. This is a required class for all economics majors. It should be taken during a student's senior year. The mode of instruction is seminar with active student participation including research presentations and

writing of a term paper and shorter papers. The topics covered will vary. Prerequisite: Consent of Instructor or Department Chair. **[UD UCA Core: Z]**

4382 INTERNSHIP IN ECONOMICS This is an elective course open to economics majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be given for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Senior standing.

4390 INDEPENDENT STUDY IN ECONOMICS A course required for graduation with honors in the economics major. This course allows the student to engage in reading and research under the guidance of a faculty member. Prerequisite: Consent of department chair.

Education

URL: http://uca.edu/ubulletin/courses/college-of-education/

[1] Courses in Education (EDUC)

1240 BASIC EDUCATIONAL TECHNOLOGY SKILLS A required course for teacher candidates who need an introduction to computer and information literacy. Candidates develop competency in word processing, spreadsheets, desktop publishing, presentation software, and Internet utilization through laboratory activities. Candidates must take a basic computer literacy skills competency exam for admission to teacher education. Candidates who do not receive a passing score on the competency exam must enroll in this course.

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.

2310 STUDIES IN LEADERSHIP CONCEPTS: BEST PRACTICES IN MENTORING FOR GROWTH This course will provide the opportunity for participants to develop a firm working concept of leadership and peer-mentoring in student development. Upon completion of the course the participant should be able to identify and discuss the role of leadership and peer coaching in the school/university development process and to apply leadership principles to support peers' development in the school/university context. The course challenges students to support the development of peers through data analysis, mentoring, and communication competencies. Students in this course will partner with a first-year seminar (FYS) course to aid the instructor and will be actively involved with an FYS class as a mentor to FYS students. Prerequisite: Successful completion of the LD UCA Core FYS requirement.

2330 TOPICS IN SOCIAL JUSTICE IN TEACHING AND LEARNING This course examines social justice issues central to teaching and learning across all educational contexts. Students will consider topics in education such as race, poverty, social class, LGBTQ youth and colleagues, socially responsive teaching, and at-risk youth as they intersect with K-12 educational settings. Course outcomes include participation in collaborative inquiry, the development of dialogue journals, and the creation of a digital portfolio. These educational expressions will combine to

document some of the knowledge, skills, and dispositions for social justice in educational contexts learned throughout the course. **[UD UCA Core: R]**

3322 DIVERSE LEARNERS IN INCLUSIVE SETTINGS This course examines the theory, research, and practice of working with diverse populations in an educational setting. Course content will focus on knowledge and strategies affecting instructional effectiveness with diverse learners such as exploring learner make-up, culturally responsive teaching, legal aspects of civil rights and special education, and addressing the needs of students with disabilities in the classroom setting. Characteristics of exceptionalities and current educational trends will also be addressed. Candidates will have the opportunity to learn how to employ effective practices including Universal Design for Learning, Response to Intervention, and differentiated instruction. Although a lecture format will primarily be used, candidates are expected to participate in small and large group discussions. Some instruction may be facilitated through web-based online sessions. Admission to Teacher Education required.

4210 INTEGRATION OF TECHNOLOGY INTO TEACHING & LEARNING This course is designed to integrate technology into classrooms specifically to enhance the instruction and learning for all grade levels (P-12) and academic disciplines. Teacher candidates will demonstrate the use of technology to plan, assess, and conduct classroom activities, and to make connections between technology and specific grade levels and disciplines. This course is to be taken in conjunction with Internship I and/or the content methods course. Students must be advised of the appropriate semester to take the course according to program requirements. Prerequisite: Admission to Teacher Education.

Elementary, Literacy, and Special Education

URL: http://uca.edu/ubulletin/courses/elementary-literacy-special-education-else/

[1] Courses in Elementary, Literacy, and Special Education (ELSE)

2300 FOUNDATIONS FOR ELEMENTARY AND SPECIAL EDUCATORS This course is designed to help candidates explore their motivation for teaching and gain a sense of the changing nature of schooling. It introduces candidates to the various roles assumed by teachers, including the role as reflective practitioner, childhood historian, student and family advocate, and designer of high quality learning environments. Lectures, discussions, demonstrations and field experiences are central to course development. This course is required for admission into the Teacher Education program. Course restricted to pre-Elementary Education K-6 and pre-Special Education K-12 majors only.

2303 SPECIAL TOPICS Focus is on special topics related to current trends and issues in Elementary and Special Education. Topics are determined by the individual needs of the student in consultation with the department chair.

3301 DEVELOPMENT AND LEARNING THEORIES This course introduces the candidate to the physical, cognitive, language/communication, social, and emotional development of individuals from infancy through adulthood. This course surveys six developmental stages: prenatal development, infancy and toddlerhood, early childhood, middle childhood, adolescence, and early adulthood, and the physical, cognitive and emotional changes that occur during these periods.

Lectures, discussions, visual presentations, demonstrations, and field experiences are central to this course.

3305 INTEGRATED APPROACHES TO CHILD AND YOUNG ADULT LITERATURE This course reviews the major theories and concepts related to cognition, metacognition, and motivation for reading for students in the K-12 settings, including students with special needs. The course teaches candidates how to analyze and integrate developmentally appropriate literature across a standards-based curriculum — digitally and through traditional print. This is one course in a series of literacy courses for teacher candidates. Course restricted to Elementary Education K-6 and Special Education K-12 majors.

3308 FOUNDATIONS OF DIVERSE LEARNERS (formerly ECSE 3320) This course examines historical and current delivery of special education services and program practices. Legal foundation and issues, special education terminology, and professional roles are addressed. Course restricted to Elementary Education K-6 and Special Education K-12 majors only.

4301 MATHEMATICS AND SCIENCE FOR DIVERSE LEARNERS This course develops a knowledge base related to mathematical and science strategies and the specific competencies necessary for successful math and science instruction within a variety of instructional arrangements with diverse populations of exceptional learners. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Internship I.

4302 BEHAVIOR GUIDANCE FOR THE DIVERSE CLASSROOM This course examines the theory, research, and practice of providing positive behavior supports to students with challenging behaviors. The course emphasizes synthesizing theoretical and functional principles of behavior management used and observed in the classroom. Teacher candidates will be introduced to strategies, skills, and models for guiding and managing all students. Lectures, discussions, demonstrations, and field experiences are central to the course. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Internship I.

4303 CURRENT ISSUES AND TRENDS IN SPECIAL EDUCATION This course requires students to learn and practice collaboration theories, techniques, and practices. The course will also teach students skills in collaborating and writing Individualized Education Plans, collaborative lesson planning, and skills in collaboration and legal issues pertaining to student transitions and working with diverse families. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Junior Block.

4305 LITERACY ASSESSMENT AND INTERVENTION This course will examine reading assessment theory, materials, and procedure, as well as disciplinary literacy concepts. This course will also engage students in instructional strategies to compare and contrast multiple literacy text across genres, cultures and centuries. Students will learn to use a variety of reading assessments in a valid and reliable manner to make on-going instructional changes. Additionally, students will use this assessment information to plan and implement instruction in their field placements. Candidates will be trained to diagnose reading difficulties and implement interventions. This course is part of the Internship I cohort. Course restricted to Elementary Education K-6 and Special Education K-12 majors only. Prerequisite: All Junior Block classes and requirements must be successfully completed.

4306 EDUCATIONAL PROGRAMMING FOR MIDDLE AND SECONDARY LEARNERS WITH MILD DISABILITIES This course incorporates assessment for educational planning, instructional methods, materials, strategies, and intervention models for teaching students grades 4-12 with diverse learning needs. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Junior Block.

4307 INSTRUCTIONAL PROGRAMMING FOR DIVERSE LEARNERS This course prepares candidates to develop the skills to assist diverse learners in functioning more effectively in a general education setting. Through acquiring the necessary foundation of skills, the candidate will be more effective in assessing students (both with and without exceptionalities), designing and delivering response to intervention, universally designed learning, and appropriate modifications and accommodations for diverse learners. This course is part of the Junior Block Cohort. Course restricted to Elementary Education K-6 and Special Education K-12 majors only. Prerequisites: Admission into teacher education; completion of all program courses previous to Junior Block. **[UD UCA Core: D, R]**

4308 EDUCATIONAL PROGRAMMING FOR STUDENTS WITH SIGNIFICANT DISABILITIES This course incorporates assessment for educational planning, instructional methods, materials, strategies, and intervention models for teaching K–12 students with significant (moderate to profound) disabilities. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Internship I.

4309 POSITIVE CLASSROOM ENVIRONMENT This course prepares teacher education candidates in classroom management, behavior guidance, and social and emotional learning for the classroom. The course introduces candidates to strategies, skills, procedures, and models for managing the classroom with a focus on universal strategies to establish and maintain a positive classroom environment. Candidates will practice positive guidance, developmentally appropriate curricula development, room arrangement, and relationship development strategies through a strong field component. This course is part of the Junior Block Cohort. Course restricted to Elementary Education K-6 and Special Education K-12 majors. Prerequisites: Admission into teacher education; completion of all program courses previous to Junior Block.

4310 JUNIOR BLOCK PRACTICUM This course is part of the Junior Block for candidates in the B.S.E. in Elementary Education and the B.S.E. in Special Education. The course utilizes field projects, field seminars, and supervised teaching where candidates gain experience in organizing instruction, in creating a productive learning environment, and in achieving professional behaviors. Prerequisites: All classes prior to Junior Block and requirements must be successfully completed.

4311 FOUNDATIONS OF READING This course prepares teacher education candidates to teach reading/writing in the K-12 classroom. The course develops a knowledge base related to emerging literacy and the specific competencies necessary for successful reading/writing instruction within a variety of classroom situations and with diverse populations. This course is part of the Junior Block Cohort. Course restricted to Elementary Education K-6 and Special Education K-12 majors. Prerequisites: Admission into teacher education; completion of all program courses previous to Junior Block.

4315 WORKSHOP APPROACH TO TEACHING WRITING IN THE K-12 CLASSROOM This course focuses on writing development and implementation of writing strategies and materials using developmentally appropriate techniques that are professionally compatible with current

research and practice. The diverse needs of the student and the integration of the curriculum are stressed throughout this course. This course also fosters a theoretical understanding of the writing process in part by writing in varied genres and forms, and emphasizes writing as an integral component of the entire curriculum. This course aligns with the ELA Common Core Standards. This course is part of the Junior Block Cohort. Course restricted to Elementary Education K-6 and Special Education K-12 majors. Prerequisites: Admission into teacher education; completion of all program courses previous to Junior Block. **[UD UCA Core: C]**

4316 INSTRUCTIONAL STRATEGIES FOR MATH AND SCIENCE K-6 This course focuses on the development and implementation of strategies and materials using developmentally appropriate techniques that are professionally compatible with current research and practice in the field of elementary education, learning and application of mathematics and science for the 21st century. The diverse needs of the elementary students and the integration of the curriculum are stressed in the implementation of teaching materials and strategies. This course is part of the Internship I cohort. Course restricted to Elementary Education K-6 majors. Prerequisite: All Junior Block classes and requirements must be successfully completed.

4318 K-6 INTERNSHIP I This course is part of the Internship I semester for candidates in elementary K-6 education. The course utilizes field projects, field seminars, and supervised teaching where candidates gain experience in organizing instruction, in creating a productive learning environment, and in achieving professional behaviors. Course restricted to Elementary Education K-6 majors. Prerequisite: All Junior Block classes and requirements must be successfully completed.

4319 GUIDANCE AND MANAGEMENT OF CHILDREN This course builds upon universal strategies for building a positive classroom environment to include application of more individual guidance and social and emotional learning methods for students in the elementary classroom. Candidates align guidance strategies with individual student needs and develop an overall instructional guidance model that focuses on social and emotional learning. The course's strong field component offers authentic opportunities to implement strategies of direct social and emotional skill development, service learning, and integration of the affective curriculum with academic curriculum. Lectures, discussions, demonstrations, and field experiences are central to the course, which will be conducted on the university and public school campuses. This course is part of the Internship I cohort. Course restricted to Elementary Education K-6 majors. Prerequisites: All Junior Block classes and requirements must be successfully completed.

4320 ELEMENTARY READING METHODS This course prepares K-6 teacher candidates to integrate reading/literacy strategies into disciplinary reading in various content areas. Emphasis is placed on assisting diverse learners to comprehend fiction and non-fiction texts, teaching domain specific vocabulary, acquiring key disciplinary concepts through reading and writing activities, utilizing informational text to build and increase knowledge, and developing creative and critical thinking skills. This course is part of the Internship I cohort. Course restricted to Elementary Education K-6 majors. Prerequisite: All Junior Block classes and requirements must be successfully completed.

4324 SPECIAL EDUCATION PRACTICUM: ELEMENTARY The purpose of this course is to expose the teacher candidate to a variety of best practices in elementary special education through interaction with selected special educators in the field. Candidates also will be given opportunities to authentically apply and evaluate current knowledge-based methods and strategies unique to the developmental needs of diverse learners. This course will include field placement and related field

assignments. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Internship I.

4325 SPECIAL EDUCATION PRACTICUM: SECONDARY The purpose of this course is to expose the teacher candidate to a variety of best practices in secondary special education through interaction with selected special educators in the field. Candidates also will be given opportunities to authentically apply and evaluate current knowledge-based methods and strategies unique to the developmental needs of diverse learners. This course will include field placement and related field assignments in a secondary special education setting. Course restricted to Special Education K-12 majors. Prerequisites: Completion of all program courses prior to Special Education Junior Block.

4330 INTEGRATED CURRICULUM AND ASSESSMENT PLANNING This course is designed to provide the teacher candidate with the knowledge and skills to develop integrated curriculum that is aligned to instructional and assessment strategies, methods and approaches; plan curriculum for all learners, and grow a body of knowledge in curriculum development for 21st century learning. Candidates will grow their professional language and understanding about curriculum development and data literacy. Prerequisite: ELSE 3301.

4331 DATA-DRIVEN INSTRUCTIONAL PLANNING Data-driven instructional planning addresses how teacher candidates use assessment to motivate students, plan curriculum, deliver instruction, and support teacher effectiveness in a K-12 school environment. This course will build candidates' data literacy and expand their professional knowledge, skills and abilities regarding basic assessment and data- driven decision making. This course is part of the Internship I cohort. Course restricted to Elementary Education K-6 and Special Education K-12 majors. Prerequisite: All Junior Block classes and requirements must be successfully completed. **[UD UCA Core: I]**

4603 INTERNSHIP II Internship II comprises the final semester of work in the Teacher Education Program. The internship is 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. Taken concurrently with ELSE 4604. Course restricted to Elementary Education K-6 and Special Education K-12 majors. Prerequisite: All program course requirements must be successfully completed before entering Internship II. **[UD UCA Core: Z]**

4604 INTERNSHIP II Internship II comprises the final semester of work in the Teacher Education Program. The internship is 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. Taken concurrently with ELSE 4603. Course restricted to Elementary Education K-6 and Special Education K-12 majors. Prerequisite: All program course requirements must be successfully completed before entering Internship II. **[UD UCA Core: Z]**

English

URL: http://uca.edu/ubulletin/courses/english/

[1] Courses in English (ENGL)

1320 INTERDISCIPLINARY WRITING AND RESEARCH This course fulfills the UCA Core requirements for Composition II. The course focuses on evaluating academic arguments and on writing papers that make an argument and that utilize scholarly sources. The course is thematic, with

instructors choosing topics and choosing an interdisciplinary set of readings focused on that topic. Prerequisite: C or better in WRTG 1310. **[ACTS: ENGL1023]**

1345 INTRODUCTION TO LITERATURE AND SOCIAL RESPONSIBILITY Satisfies the lower-division UCA Core requirement in Responsible Living. This course will provide an introduction to literary responses to an issue or issues with moral and ethical implications (e.g., AIDS, the environmental crisis, racial prejudice, poverty, etc.) in ways that challenge students to examine their thinking and behavior in light of the perspectives presented by the works. Class will typically be offered as a First-Year Seminar and may include service-learning activities. Lecture, discussion, writing.

1350 INTRODUCTION TO LITERATURE Satisfies the humanities requirement in the general education program. This is a writing-intensive course designed to expose students to the college-level study of literature. Attention is paid to the writing of analytical, interpretive, and research papers. Lecture, discussion, writing. Prerequisite: None.

1355 FILM AND LITERATURE Satisfies the humanities requirement in the general education program. This course will compare written and cinematic narrative forms by considering classic and modern literary texts through the medium of film. Lecture, discussion, writing. Prerequisite: None.

1373 FYS: HUMANITIES The FYS (first-year seminar) in Humanities provides a small-classroom environment for students designed to promote community, develop skills necessary for success, and reinforce the importance of written and oral communication. Topics will vary depending on instructor.

2305 WORLD LITERATURE I Satisfies the Diversity in World Cultures requirement in the lower-division UCA Core as a humanities elective. 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 from ancient times up to the Renaissance. Lecture, discussion, writing. Prerequisite: None. **[ACTS: ENGL2113]**

2306 WORLD LITERATURE II Satisfies the Diversity in World Cultures requirements in the lower-division UCA Core as a humanities elective. The purpose of World Literature II is to introduce the student to a variety of literary texts which have greatly influenced culture around the world from the seventeenth through the twentieth century. Lecture, discussion, writing. Prerequisite: None. **[ACTS: ENGL2123]**

2312 AMERICAN LITERATURE I A requirement for majors and minors that, in series with American Literature II, offers a foundational survey of American literature from American Colonial and Provincial literature to leading figures of the American Renaissance. Lecture, discussion, writing. Prerequisite: None. **[ACTS: ENGL2653]**

2313 AMERICAN LITERATURE II A requirement for majors and minors that, in series with American Literature I, offers a foundational survey of American literature from post-Civil War American literature to the present. Lecture, discussion, writing. Prerequisite: None. **[ACTS: ENGL2663]**

2316 ENGLISH LITERATURE I A requirement for English majors and minors that , in series with English Literature II and English Literature III, offers a foundational survey of English literature from the Anglo-Saxon period through the Renaissance. Lecture, discussion, writing. Prerequisite: None. **[ACTS: ENGL2673]**

2317 ENGLISH LITERATURE II A requirement for English majors and minors that, in series with English Literature I and English Literature III, offers a foundational survey of English literature from the Neoclassical and Romantic periods. Lecture, discussion, writing. Prerequisite: None. **[ACTS: ENGL2683]**

2318 ENGLISH LITERATURE III A requirement for English majors and minors that, in series with English Literature I and English Literature II, offers a foundational survey of English literature from the Victorian and Modern periods. Lecture, discussion, writing. Prerequisite: None.

2320 ASIAN LITERATURE IN A GLOBAL CONTEXT A humanities elective in the UCA Core, fulfilling the Diversity in World Cultures requirement. The purpose of the course is to introduce students to literacy texts that define Asian civilizations and influence global culture. Readings are chosen from various genres in Chinese, Japanese, Indian, and/or Asian diaspora literatures. Lecture, discussion, writing.

2370 INTRODUCTION TO FICTION Satisfies the humanities requirement in the general education program. Students will learn to read stories and short novels carefully and analytically and be encouraged to see the way stories both reflect and enhance our understanding of life. Lecture, discussion, writing. Prerequisite: None.

2380 INTRODUCTION TO POETRY Satisfies the humanities requirement in the general education program. Students will learn to read poetry carefully and analytically and be encouraged to see the ways poetry both reflects and enhances our understanding of life. Lecture, discussion, writing. Prerequisite: None.

2390 INTRODUCTION TO DRAMA Satisfies the humanities requirement in the general education program. Students will learn to read plays carefully and analytically and be encouraged to see the ways drama both reflects and enhances our understanding of life. Lecture, discussion, writing. Prerequisite: None.

3105 RESEARCH METHODS WORKSHOP Required course for English majors and minors. This course is designed to introduce students to the use of research in writing papers for literature courses. Students will use techniques and protocols learned in the course to complete a research assignment drawn from a concurrent upper-division course. Must be taken in conjunction with the student's first upper-division course in English that assigns a research paper. Lecture, discussion, writing.

3310 CHILDREN'S LITERATURE For English majors and minors to satisfy upper-division elective requirement. Students will be introduced to and learn to analyze various forms of literature for children, including picture books as well as chapter books. Lecture, discussion, writing. Prerequisite: One of the following: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

3312 MODERN GRAMMARS For English majors and minors to satisfy upper-division language or elective requirement. Introduction to the science of linguistics: its terminology, methods, and relation to the study of English. Structural and transformational-generative approaches. Some particular problems related to style and usage. Lecture, discussion, writing. Prerequisite: One of the following: ENGL 2312, 2313, 2316, 2317, 2318. **[UD UCA Core: C]**

3315 GENDER AND LANGUAGE For English majors and minors to satisfy upper-division elective requirement. An overview of the sociolinguistics of language and its relationships to gender.

The course develops awareness of language as a system of rules, codes, and prescribed attitudes to gender roles. Lecture, discussion, writing. Prerequisite: One of the following: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: C, D]**

3320 LITERATURE FOR THE MIDDLE GRADES Part of the academic content block required for language-arts/social-studies licensure for middle-school education. May not be counted toward the English major or minor. The course introduces the teacher-education candidate to a wide range of literature for children from grades four through eight and to criteria essential to evaluating and selecting good literature for middle-school readers. Lecture, discussion, writing. Prerequisite: Admission to teacher education. **[UD UCA Core: D]**

3325 ADVANCED READINGS IN WORLD LITERATURE For English majors and minors to satisfy upper-division elective requirement. Selected topics to include specific writers, periods, literary/social movements, or cultural expressions in any era of world literature from classical to postmodern. Lecture, discussion, writing. Prerequisite: ENGL 2305 or 2306; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

3335 LANGUAGE AND GRAMMAR STUDIES Satisfies upper-division language requirement only for English majors seeking teaching licensure. 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. Emphasis on the study of grammar in context to afford greater facility in approaching and analyzing texts. Lecture, discussion, writing. Prerequisite: One of the following: ENGL 2312, 2313, 2316, 2317, 2318. **[UD UCA Core: C]**

3345 LITERATURE AND THE EXAMINED LIFE For English majors and minors to satisfy an upper-division elective requirement and/or to satisfy the upper-division UCA Core requirement in Responsible Living. This course will offer an in-depth exploration of literary responses to a specific issue or issues with moral and ethical implications (e.g., AIDS, the environmental crisis, racial prejudice, poverty, etc.) in ways that challenge students to examine their thinking and behavior in light of the perspectives presented by the works. Lecture, discussion, writing. Prerequisite: for English majors/minors, one of the following courses: ENGL 2312, 2313 , 2316, 2317, 2318; for non-English majors/minors, WRTG 1310, WRTG/ENGL 1320, and the lower-division UCA Core Humanities requirement. **[UD UCA Core: R]**

3375 INTERNSHIP IN ENGLISH For English majors and minors to satisfy upper-division elective requirement. This course facilitates an internship with a business, non-profit agency, or other professional organization. Each internship is tailored to the unique needs of the employer and the specific skills of the student. Possibilities for English internships include the following fields: journalism, technical writing, editing, education, research, law, dramaturgy, business communication, and administration. Internships require 120-150 hours of work with the employer. Prerequisite: Junior or senior standing.

4V85 TRAVEL SEMINAR IN LITERATURE (Variable credit: 3 or 6 credit hours.) For English majors and minors to satisfy up to six hours of the upper-division elective requirement. Open to other students by consent of the instructor and chair. Participants will not only study selected works and authors, but will also visit the culture that produced the works. The course will typically include some intensive on-campus study and orientation before travel. Lecture, discussion, writing.

Prerequisite: one of the following courses: ENGL 2312, 2313, 2316, 2317, or 2318. **[UD UCA Core: D]**

4300 READINGS FOR HONORS DEGREE For English majors and minors to satisfy upper-division elective requirement. Tutorial taken in the junior year by students who choose to study toward an honors degree in English. A reading list, chosen by student and tutor with the department chair's approval, will provide the foundation for a thesis to be written by the honors candidate during the senior year. Prerequisite: Consent of instructor and chair; prerequisite/corequisite: ENGL 3105.

4301 THE RENAISSANCE For English majors and minors to satisfy upper-division period or elective requirement. The course studies the development of Christian humanism and the influence of the Reformation upon major non-dramatic works by such writers of Tudor England as More, Wyatt, Sidney, Spenser and Marlowe. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4304 STUDIES IN ENGLISH AND AMERICAN LITERATURE For English majors and minors to satisfy upper-division author, genre, period, or elective requirement (depending upon topic). A variable-topics course on a writer or group of writers, literary movement, or sub-genre in English and/or American literature. May be taken only one time without approval of the departmental chair. Lecture, discussion, writing. Prerequisite: One of the following: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4305 MEDIEVAL ENGLISH LITERATURE For English majors and minors to satisfy upper-division period or elective requirement. Covers English medieval literature exclusive of Chaucer; Anglo-Saxon and some Middle English texts will be taught in translation, but Middle English will be retained whenever possible. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4311 THE NEO-CLASSICAL PERIOD For English majors and minors to satisfy upper-division period or elective requirement. Covers major writers from the Restoration to the end of the eighteenth century. May include such authors as Dryden, Swift, Pope, Johnson, and Boswell. Lecture, discussion, writing. Prerequisite: ENGL 2317; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4312 AMERICAN PROVINCIAL LITERATURE For English majors and minors to satisfy upper-division period or elective requirement. Covers American literature from its beginnings to 1830. May include such authors as Bradstreet, Franklin, Wheatley, and Cooper, as well as Native American storytellers. Lecture, discussion, writing. Prerequisite: ENGL 2312; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4313 AMERICAN ROMANTICISM AND REALISM For English majors and minors to satisfy upper-division period or elective requirement. Covers selected works from 1830-1900. May include such authors as Hawthorne, Poe, James, Twain, and Wharton. Lecture, discussion, writing. Prerequisite: ENGL 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4314 AMERICAN FICTION SINCE 1900 For English majors and minors to satisfy upper-division genre or elective requirement. Covers developments in the aesthetics of American novels and short fiction since 1900, and the relation of that fiction to contemporary American life and

history. Lecture, discussion, writing. Prerequisite: ENGL 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D, I]**

4315 TWENTIETH-CENTURY AMERICAN POETRY For English majors and minors to satisfy upper-division genre or elective requirement. Covers American poetry of the twentieth century. May include such authors as Frost, Pound, Williams, Stevens, and Bishop. Lecture, discussion, writing. Prerequisite: ENGL 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D, I]**

4320 THE ROMANTIC PERIOD For English majors and minors to satisfy upper-division period or elective requirement. Covers major Romantic writers of prose and poetry. May include such authors as Blake, Wordsworth, Scott, Byron, and Keats. Lecture, discussion, writing. Prerequisite: ENGL 2317; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4321 THE VICTORIAN PERIOD For English majors and minors to satisfy upper-division period or elective requirement. Covers poetry and prose of major English writers from the 1830s to the end of the century. May include such authors as Browning, Tennyson, Ruskin, Carlyle, and Arnold. Lecture, discussion, writing. Prerequisite: ENGL 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4325 SPECIAL TOPICS IN POSTCOLONIAL LITERATURE For English majors and minors, or African and African American Studies majors and minors, to satisfy upper-division elective requirement. May include topics of current, historical, or theoretical interest in postcolonial literature. Students will read, discuss, and write critically about subject matters covered in this course, paying special attention to the social and cultural contexts and impact of the works. Prerequisites: ENGL 2313, 2318 (for English majors/minors); or AFAM 1330 (for African/African American Studies majors/minors). **[UD UCA Core: C, R]**

4330 SHAKESPEARE I For English majors and minors to satisfy upper-division author or elective requirement. Introduction to selected works of Shakespeare, including tragedies, comedies, histories, and romances. Covers a wide variety of analytical approaches, such as historical, linguistic, performative, psychological and cultural. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4331 SHAKESPEARE II For English majors and minors to satisfy upper-division author or elective requirement. Specialized topic study of Shakespeare's works by genre, time period, theme, cultural context, criticism/theory, etc. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4335 SENIOR SEMINAR Required capstone course for English majors in their senior year that may also satisfy upper-division genre or elective requirement. Others may enroll with permission of instructor. Covers variable topics, crosses cultural, period, or genre lines; students assemble a portfolio that demonstrates mastery of the course topic and reflection on the progress and culmination of their undergraduate literary studies. Lecture, discussion, writing. Prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: Z]**

4340 CHAUCER For English majors and minors to satisfy upper-division author or elective requirement. Covers Chaucer's major works, generally including *Troilus and Criseyde* and *The Canterbury Tales*, viewed against the background of medieval life and thought, focusing on perspectives such as Chaucer's depiction of women, Chaucer's sources, and Chaucer as Christian

moralist, allegorist, humorist. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4341 MILTON For English majors and minors to satisfy upper-division author or elective requirement. Covers Milton's major poems and selected prose, generally including *Paradise Lost*, *Comus*, *Samson Agonistes*, and *Areopagitica*, viewed against the background of seventeenth-century life and thought, especially changing religious and social forces in this period. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4342 THE SEVENTEENTH CENTURY For English majors and minors to satisfy upper-division period or elective requirement. Covers non-dramatic writings from 1603 to 1660 exclusive of Milton. May include such authors as Donne and the devotional poets, Jonson and the Cavalier poets, Bacon, Browne, and Burton. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4343 ENGLISH RENAISSANCE DRAMA (EXCLUDING SHAKESPEARE) For English majors and minors to satisfy genre or elective requirement. Covers plays by major writers in the late sixteenth century and early seventeenth century, such as Ford, Webster, Kidd, and Marlowe. Focuses on the language, social vision, and psychological portrait of family and civic life in the plays. Lecture, discussion, writing. Prerequisite: ENGL 2316; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4345 TWENTIETH-CENTURY ENGLISH DRAMA For English majors and minors to satisfy upper-division genre or elective requirement. Focuses on modern and postmodern drama. Authors may include Shaw, Synge, Beckett, Stoppard, and Churchill. Lecture, discussion, writing. Prerequisite: ENGL 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4346 RESTORATION AND EIGHTEENTH-CENTURY DRAMA For English majors and minors to satisfy upper-division genre or elective requirement. Focuses on the political, cultural, and religious contexts in which English drama of this period was produced and performed. Lecture, discussion, writing. Prerequisite: ENGL 2317; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4347 TWENTIETH-CENTURY AMERICAN DRAMA For English majors and minors to satisfy upper-division genre or elective requirement. Focuses on modern and postmodern drama. Authors may include O'Neill, Williams, Hansberry, Kushner, and Wasserstein. Lecture, discussion, writing. Prerequisite: ENGL 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D, I]**

4350 ENGLISH EDUCATION INTERNSHIP I This course is part of the senior block for candidates in English Secondary Education, and has to be taken concurrently with ENGL 4358 Methods of Teaching English and Composition. The internship occurs in appropriate public school settings where candidates gain experience in organizing instruction, in creating a productive learning environment, in teaching for student learning, and in achieving professional behaviors. Prerequisite: Admission to teacher education, and completion of designated professional education course work.

4354 MODERNISM For English majors and minors to satisfy upper-division period or elective requirement. Students will be introduced to major writers of all genres of the first half of the twentieth century from the United States and the British Isles. Authors may include Faulkner, Eliot,

Joyce, and Woolf. Lecture, discussion, writing. Prerequisite: ENGL 2313 and 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4355 POSTMODERNISM For English majors and minors to satisfy upper-division period or elective requirement. A survey of English-language literature since 1945, covering the relations between high postmodernism, postcolonial/diverse literature, social realism, and magical realism. Lecture, discussion, writing. Prerequisite: English 2313 and 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4358 METHODS OF TEACHING ENGLISH AND COMPOSITION For students seeking licensure to teach English. May **NOT** be counted towards the BA major or minor. This course includes a study of the methods used to teach literature, grammar, and composition, as well as evaluated teaching presentations before other candidates. Needs to be taken during the fall senior block, concurrently with Internship I. Prerequisite: Admission to teacher education. Lecture, discussion, writing. Prerequisite: Admission to teacher education; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4360 HISTORY AND STRUCTURE OF THE ENGLISH LANGUAGE For English majors and minors to satisfy upper-division language or elective requirement. The course also serves as one of three courses to satisfy the Linguistics major core requirement and as an elective in the Linguistics minor. A survey of English from the Anglo-Saxon to the modern period, focusing on the social, political, and literary matrix within which the language developed. Lecture, discussion, writing. Prerequisite: one of the following courses: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: C]**

4361 LITERATURE FOR ADOLESCENTS For English majors and minors to satisfy upper-division elective requirement. A required course for students seeking licensure in English. Students will learn to select and analyze literature appropriate psychologically, intellectually, and motivationally for teaching in secondary schools. Lecture, discussion, writing. Prerequisite: one of the following courses: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4362 SOUTHERN LITERATURE AND FOLKLORE For English majors and minors to satisfy upper-division elective requirement. Explores twentieth-century southern folklore and literature as social, cultural, and historical manifestations and reactions to contemporary trends in American life and history. Readings may include folklore, poetry, fiction, and drama by major southern writers of the twentieth century. Lecture, discussion, writing. Prerequisite: ENGL 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4364 SPECIAL TOPICS IN CHILDREN'S AND YOUNG ADULT LITERATURE For English majors and minors to satisfy upper-division elective requirement. May include topics of current, historical, or theoretical interest in children's/young adult literature. Students will read, discuss, and write critically about subject matters covered in this course, paying special attention to the social and cultural contexts and impact of the works. Prerequisite: one of the following courses: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4366 LITERARY THEORY AND CRITICISM For English majors and minors to satisfy upper-division elective requirement. This course may be taught using historical models of criticism or modern theoretical schools of thought. Poetry, drama, and fiction will also be included as a means of applying various theoretical models. Lecture, discussion, writing. Prerequisite: one of the following

courses: ENGL 2312, 2313, 2316, 2317, 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor.

4370 WOMEN'S LITERATURE For English majors and minors to satisfy upper-division elective requirement. This variable-topics course includes poetry, prose, and drama of representative women writers and may be taught as a survey of women's literature across the centuries, or as a special-topics course dealing with particular women authors. Lecture, discussion, writing. Prerequisite: one of the following courses: ENGL 2312, 2313, 2316, 2317, or 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4371 AMERICAN NOVEL TO 1900 For English majors and minors to satisfy to satisfy upper-division genre or elective requirement. This course examines the development of the novel in America as a distinct entity from European models and as a result of social, historical, and economic forces in American life, and may include such writers as Cooper, Brown, Hawthorne, Wharton, and James. Discussion, lecture, writing. Prerequisite: ENGL 2312 or 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4372 EIGHTEENTH-CENTURY ENGLISH NOVEL For English majors and minors to satisfy upper-division genre or elective requirement. This course may include such writers such as Smollett, Sterne, Fielding, and Defoe. Lecture, discussion, writing. Prerequisite: ENGL 2317; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4373 NINETEENTH-CENTURY ENGLISH NOVEL For English majors and minors to satisfy upper-division genre or elective requirement. The course focuses on English novels of the nineteenth century and may include such writers as Austen, Dickens, Trollope, Eliot, and Hardy. Lecture, discussion, writing. Prerequisite: ENGL 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4374 TWENTIETH-CENTURY ENGLISH NOVEL For English majors and minors to satisfy upper-division genre or elective requirement. The course focuses on English novels of the twentieth century and may include such writers as Conrad, Joyce, Woolf, Forster, and Fowles. Lecture, discussion, writing. Prerequisite: ENGL 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4375 TWENTIETH-CENTURY ENGLISH POETRY For English majors and minors to satisfy upper-division genre or elective requirement. The course focuses on English poetry of the twentieth century and may include such writers as Hardy, Yeats, Eliot, Auden, and Heaney. Lecture, discussion, writing. Prerequisite: ENGL 2318; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: I]**

4380 AFRICAN AND AFRICAN-AMERICAN LITERATURE For English majors and minors to satisfy the upper-division elective requirement. This is a survey of African and African-American literature from the eighteenth century to the present, including slave narratives, middle passage and captivity narratives from the eighteenth and nineteenth centuries, and contemporary works by such writers as Larson, Petry, Hurston, Bambara, and Baraka. Lecture, discussion, writing. Prerequisite: ENGL 2312 or 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4381 MAJOR AFRICAN AND AFRICAN AMERICAN WRITERS A variable-topics course. Required for African/African-American Studies majors; satisfies the upper-division elective

requirement for African/African-American Studies minors and English majors and minors. This course enables students to explore in some depth the works of one or more important African and/or African-American writers who have established distinctive artistic voices within a particular country, culture, or region. May be repeated once for credit with chair's permission. Lecture, discussion, writing. Prerequisite: ENGL 2312 or 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4382 RACE IN AMERICAN LITERATURE Required for African/African-American Studies majors; satisfies the core elective requirement for African/African-American Studies minors and upper-division elective requirement for English majors and minors. This course explores the depictions of racial definitions, identities, and conflicts offered by American writers of various races and may include such writers as Wheatley, Kingston, Ellison, Twain, and O'Connor. Lecture, discussion, writing. Prerequisite: ENGL 2312 or 2313; prerequisite/corequisite: ENGL 3105 or consent of the instructor. **[UD UCA Core: D]**

4680 ENGLISH EDUCATION 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. Prerequisite: Admission to teacher education, completion of all major and professional education course work.

4681 ENGLISH EDUCATION 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. Prerequisite: Admission to teacher education, completion of all major and professional education course work.

Engineering

URL: http://uca.edu/ubulletin/courses/engineering-engr/

[1] Courses in Engineering (ENGR)

1301 INTRODUCTION TO ENGINEERING This course will introduce students to their choice of engineering majors at UCA and elsewhere. It will provide students a broad picture of what it means to be in engineering. It will introduce students to the essential tools for further study in engineering. Students will be introduced to the ethical application of engineering principles throughout this course. This course satisfies the UCA Core Responsible Living and First Year Seminar requirements. Prerequisites: none.

2311 STATICS Study of stresses, strains, and equilibrium in a plane and in space; analysis of structures, frictions, centroids, and moments of inertia. Problems oriented with applications emphasized. Prerequisite: PHYS 1441. Co-or Prerequisite: MATH 1497

2447 ELECTRONICS A basic study of electronic principles, devices, and circuits, both analog and digital. Prerequisites: PHYS 1420 or 1442, MATH 1496.

3301 SIGNALS AND SYSTEMS An introduction to linear systems, the analysis of systems using integral transforms, the use of integral transforms in the solution of difference and differential equations, and an introduction to feedback. A required course for computer engineering majors. Prerequisites: MATH 3331, PHYS 1442, and CSCI 1470.

3311 ENGINEERING DYNAMICS This course is an introduction to the dynamics and vibrations of lumped-parameter models of mechanical systems. Topics covered include kinematics, force-momentum formulation for systems of particles and rigid bodies in planar motion, work-energy concepts, virtual displacements and virtual work. Students will also become familiar with the following topics: Lagrange's equations for systems of particles and rigid bodies in planar motion, and linearization of equations of motion. After this course, students will be able to evaluate free and forced vibration of linear multi-degree of freedom models of mechanical systems and matrix eigenvalue problems. Prerequisite: ENGR 2311

3340 AN INTRODUCTION TO DIGITAL IMAGE PROCESSING This course is an introduction to handling images in electronic media using basic principles. Course contents: the nature of vision and the relationship of human eye imaging to 2-D and 3-D sensing of image signals, digital image representation, digital image characterizations, image sampling and reconstruction, digital image mathematical forms, image quantization, 2-D image transformations, image improvements, and image analysis methods. An elective course for computer engineering majors. Prerequisite: ENGR 3301.

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 2471, 3331.

3343 THERMAL PHYSICS The fundamental principles of thermodynamics and statistical physics. Lecture. Prerequisites: PHYS 2443 or 2430 and MATH 2471.

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 2471.

3361 ELECTROMAGNETISM 2 Continuation of ENGR 3360. Propagation, reflection, refraction, and radiation of electromagnetic waves. Lecture. Prerequisite: ENGR 3360.

3410 MICROCONTROLLERS A required course for physics majors in the Engineering Physics track majors and an elective course for other physics majors. This course covers the fundamental digital electronics and programming necessary to communicate with microcontroller computers and analog/digital sensors/components and interfacing between microcontroller and sensor(s). Topics include (but are not limited to) analog to digital integrated circuits (ICs), digital to analog ICs, data logging, analog sensors (temperature, pressure, etc.), digital sensors (accelerometers), pulse-width modulation, and process control circuits. Prerequisite: PHYS 1420 or PHYS 1442.

3415 AN INTRODUCTION TO DIGITAL LOGIC An introduction to logic, logic design, algorithms, computer organization, assembly language programming, and the technology associated with the implementation of these ideas. A required course for computer engineering majors. This course includes a laboratory component. Prerequisites: ENGR 2447 and CSCI 2440.

3416 MICROPROCESSOR SYSTEMS Microprocessor architecture, microprocessor assemblers, assembly and C language programming, software development, memory and I/0 interface, interrupts, microprocessor system design and microprocessor applications. A required course for computer engineering majors. This course includes a laboratory component. Prerequisite: ENGR 3415.

3421 ROBOTICS 1 A required course for physics majors in the engineering physics track, this course introduces students to the field of robotics. Students will build a simple robot from scratch that will be used to complete a team project. Students will be introduced to robotic hardware and software. The course will culminate with a team design project. Prerequisite: C or better in ENGR 2447.

3447 MICROELECTRONICS A laboratory course providing an introduction to microelectronic systems and signal processing. Transistor amplifier design, frequency response, feedback principles, stability, analog integrated circuits, electronics circuit design, and applications will be explored. Students will design and test circuits useful in data acquisition and process control. A required course for physics majors in the Engineering Physics track and an elective course for all other physics majors. Prerequisites: C or better in ENGR 2447.

4V03 TOPICS IN ENGINEERING DESIGN (Variable credit: 1-3 credit hours) Content will vary, depending on interests of faculty and students. Examples: physical acoustics, dynamics, antenna design, fluid mechanics, materials, signal processing. This course may be offered in association with a section of ENGR 4350 Topics in Theoretical Engineering. Students may register for up to 4 hours per semester. A maximum of 12 hours may be used for a degree. May be repeated with different content. Laboratory. Prerequisite: Consent of instructor. Possible Co-requisite: ENGR 4350.

4311 SENIOR DESIGN 1 Part of the Engineering Physics core. A course that offers diverse experiences in problem analysis and system design similar to professional engineering practice, and an opportunity to practice and perfect the skills of technical writing and oral presentation. Part of a two-semester sequence, this course combined with ENGR 4312 provides the capstone experience for engineering students. Prerequisites: 2.75 GPA or higher in ENGR and PHYS courses and consent of instructor.

4312 SENIOR DESIGN 2 Part of the Engineering Physics core. A course that offers diverse experiences in problem analysis and system design similar to professional engineering practice, and an opportunity to practice and perfect the skills of technical writing and oral presentation. Part two of a two-semester sequence, this course combined with ENGR 4311 provides the capstone experience for engineering students. Prerequisites: C or better in ENGR 4311 during the previous semester and consent of instructor. **[UD UCA Core: Z]**

4315 AN INTRODUCTION TO SIGNAL PROCESSING An introduction to the basic tools of signal processing. Students will learn about the role played by Fourier transforms and spectral analysis in signal processing. The use of windowing and filtering will be emphasized. Students will focus on filter design. An elective course for majors in computer engineering. Prerequisite: ENGR 3301.

4350 TOPICS IN THEORETICAL ENGINEERING Content will vary, depending on interests of faculty and students. Examples: physical acoustics, dynamics, antenna design, fluid mechanics, materials, signal processing. This course may be offered in the association with an ENGR 4103 Topics in Engineering Design. May be repeated with different content. Lecture. Prerequisite: Consent of instructor. Possible Co-requisite: ENGR 4103.

4421 ROBOTICS 2 A required course for physics majors in the Engineering Physics track, this course will expand on the knowledge students gained in ENGR 3421 Robotics 1. Students will build an autonomous robot that will be used to complete a team project. The course will culminate with a team design project. Prerequisite: C or better in ENGR 3421.

4450 AN INTRODUCTION TO EMBEDDED SYSTEMS An introduction to the design and use of embedded computer systems. Programming of embedded computer systems using the C and/or assembly languages. A required course for computer engineering majors. Prerequisite: ENGR 3416.

Environmental Science

URL: http://uca.edu/ubulletin/courses/environmental-science/

[1] Courses in Environmental Science (ENVR)

3410 ENVIRONMENTAL THEORY AND APPLICATION A core course for environmental science majors, and an elective course for biology majors. This course provides an introduction to the environmental problems facing mankind, the scientific, economic, and social bases of these problems, potential solutions, and methodologies of environmental assessment. Prerequisites: BIOL 1441, CHEM 1451, and GEOG 1315 or SCI 3410. **[UD UCA Core: D, C]**

4410 ENVIRONMENTAL PRACTICUM A core course for environmental science majors. This course involves supervised research on environmental problems using modern field collection techniques and methods of data analysis and interpretation. This course requires cooperative research with other students to fully investigate an environmental topic. Prerequisites: Junior standing (or higher) and ENVR 3410. **[UD UCA Core: Z]**

4465 ENVIRONMENTAL TOXICOLOGY provides an introduction to the fate, toxicity, and effects of contaminants in ecological systems. This course will focus on the impacts of toxic substances on ecological structures across various levels of biological organization, from individuals to the community and ecosystem level. Students will receive a basic knowledge of both short- and long-term effects of pollution on aquatic and terrestrial organisms and environments. Upon completion of the course, students will have an understanding of the properties and behavior of major classes of chemicals, toxicity testing procedures, concepts and application of ecological risk assessment for regulation, and current issues in the field. Prerequisites: CHEM 1451; MATH 2311, PSCI 3312 OR PSYC 2330; BIOL 2490, or permission of instructor.

Exercise and Sport Science

URL: http://uca.edu/ubulletin/courses/exercise-and-sport-science-exss-academic/

[1] Courses in Exercise and Sport Science (EXSS)

1110 BEGINNING SWIMMING An elective course. Basic water adjustment skills, swimming strokes, and safety skills according to the American Red Cross beginner- and advanced beginner-level program. Activity and lecture.

1111 ADVANCED SWIMMING I: LIFEGUARDING An elective course. This course is the study and practice of lifesaving techniques, knowledge, and skills preparing students for lifeguarding certification by the American Red Cross. Prerequisite: Students must possess swimmer-level skills

(i.e., swim 500 yards using required strokes, tread water without use of arms for two minutes, and retrieve 10 pound object from 7 feet of water). Activity and lecture.

1112 INTERMEDIATE SWIMMING An elective course. This course introduces students to swimming strokes and safety skills according to the American Red Cross intermediate-level program. Activity and lecture.

1121 BEGINNING TENNIS An elective course. This course introduces students to the basic strokes, history, rules, and strategy of the game. Activity and lecture.

1122 BEGINNING GOLF An elective course. This course introduces students to the basic strokes, rules, history, and strategy of the game. Activity and lecture. (Note: Bowling and golf classes are held at commercial establishments; a participation fee based on current prices will be charged.)

1124 BEGINNING VOLLEYBALL An elective course. This course provides students the opportunity to learn the basic skills and terminology of volleyball. Activity and lecture.

1125 CONDITIONING ACTIVITIES An elective kinesiology and physical education activity course. This course focuses on the development of student-designed exercise programs to improve fitness through the use of various exercise modes (e.g., select cardiovascular equipment, walking and jogging, and swimming). Activity and lecture.

1135 BEGINNING WEIGHT TRAINING An elective course. This course focuses on how to use weight-training apparatus. The basic lifts of weight-training and the knowledge necessary to develop personal weight training programs is covered. Activity and lecture.

1145 BEGINNING WALKING/JOGGING An elective course. This course teaches students how to properly use walking/jogging as a means of developing and maintaining cardiovascular fitness throughout life. Activity and lecture.

1176 SPORTS MEDICINE PROFESSIONS An elective course for undergraduate students, this course introduces students to a variety of sports medicine concepts and disciplines including: the roles and responsibilities of the different sports medicine team members; the educational development and requirements for becoming a professional member of the sports medicine team; and the certification and licensure requirements for each discipline. Lecture and discussion.

1181 RACQUETBALL An elective course. This course introduces students to the basic skills, rules, and strategies of the game. Activity and lecture.

1191 ADAPTED PHYSICAL EDUCATION ACTIVITIES An elective kinesiology and physical education course designed for students with special needs. This course provides an individualized exercise prescription designed to enhance students' physical capabilities. May be repeated up to four times. Activity and lecture. Prerequisite: Consent of instructor and written clearance by physician's authorization.

1291 PRINCIPLES OF LIFETIME FITNESS An elective course. This course stresses physical activities as a means of developing and maintaining physical fitness throughout life and introduces students to a variety of lifetime physical activities while encouraging the development of physical fitness as part of the course. Activity and lecture.

1310 INTRODUCTION TO EXERCISE SCIENCE This course provides an overview of exercise science. Students are exposed to evidence-based historical, biological, psychological, sociological

foundations within the discipline, as well as career options and the role of exercise science. Prerequisite: Major status or consent of instructor.

1320 FOUNDATIONS OF WELLNESS An elective course in the lower-division UCA Core that fulfills the category of Responsible Living. A required lower-division Responsible Living course for those majoring in a program in the department of Exercise and Sport Science. The course is designed to educate students on habits of lifetime wellness and assist them in adopting and maintaining behaviors associated with an active and healthy lifestyle. Primary methods of instruction include lecture/discussion, student participation in a health-risk appraisal, fitness-assessment laboratories, and required participation in a variety of physical activities.

2320 FITNESS ASSESSMENTS IN EXERCISE SCIENCE The purpose of this course is to provide the foundations, theories, principles, and measurement of health and physical activity and in particular the means for conducting fitness testing. Students will learn how to screen subjects and to assess anthropometrics, body composition, cardiovascular fitness, muscular fitness, and flexibility in apparently healthy individuals. Prerequisite: EXSS 2381 or consent of instructor.

2340 MOTOR DEVELOPMENT AND LEARNING A required course in the kinesiology and physical education and exercise science programs. 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 EXSS program or consent of instructor; co-requisite for students in the PETE program is PETE 3330.

2381 ANATOMICAL KINESIOLOGY A course required of students majoring in a program offered by the Exercise and Sport Science department or 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, 1401, 1402, 1410 or 1440 with a grade of C or higher.

2395 COMPUTER APPLICATIONS IN PHYSICAL EDUCATION AND SPORT An elective course for students majoring in a program offered by the Exercise and Sport Science department or 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.

3100 ADVANCED SWIMMING II: WATER SAFETY INSTRUCTOR An elective course. This course provides experiences in perfecting and teaching water skills to meet requirements for American Red Cross instructor certification. Prerequisite: Students must posses swimmer-level skills. Activity and lecture.

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.

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.

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.

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.

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.

3215 ATHLETIC TRAINING, A HEALTH CARE PROFESSION This course introduces the health care profession of athletic training including the history and role of the National Athletic Trainers' Association (NATA), Board of Certification (BOC) and state licensure in professional practice. The course focuses on the professional preparation of athletic trainers and their role as health care professionals. Students will gain understanding of the prevention, assessment, diagnosis, care, management, and rehabilitation of injuries and illnesses. Students will be assessed on introductory knowledge and skills. Lecture, discussion, and laboratory experiences. Prerequisite: EXSS 2381 with a grade of C or better.

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.

3303 EXERCISE PHYSIOLOGY A required course for baccalaureate programs in the Department of Exercise and Sport Science and an elective for students with an allied health career interest. This course emphasizes the study of muscular activity and the associated energy systems, the general effects of exercise on physiologic processes and body functions, and the adaptations that occur as a result of physical exercise training. Lecture, laboratories, specialized computer software and a research project. Prerequisites: EXSS 2381 or BIOL 2405 or BIOL 2406 or consent of instructor.

3315 SPORTS OFFICIATING An elective course for education majors and students seeking a coaching endorsement. This course examines the basic elements of sports officiating including interpretations of rules and regulations and provides students with opportunities to fulfill the role of officials in a variety of sports. Lecture, activity, simulations, and a required 15-hour officiating practicum scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

3316 CURRICULUM A required course for students majoring in kinesiology and physical education or in exercise science. This course is designed to familiarize students with basic curricular theories, models, trends, and issues and the relationship between curriculum and instructional strategies. Lecture, discussion, student presentations, professional portfolios, use of e-mail and internet, and required field experiences. Prerequisites: Admission to PETE or EXSS programs and junior classification, or consent of instructor. **[UD UCA Core: R]**

3331 CARE AND PREVENTION OF EXERCISE AND SPORT INJURIES This course introduces students to the broad discipline of caring for exercise and sports injuries. Key topics of study include anatomy, evaluation, treatment, rehabilitation techniques, emergency procedures and liability issues in athletics and activity. Lecture, discussion, and laboratory. Laboratory sessions will introduce various wrapping and strapping techniques in addition to basic rehabilitation procedures. Prerequisite: EXSS 2381 or BIOL 2405 or 2406 with a grade of C or better.

3348 EXERCISE PRESCRIPTION FOR GENERAL POPULATIONS The purpose of this course is to provide students with knowledge and experiences on the different aspects of physical activity programming for apparently healthy individuals as well as steps in developing and implementing group programming in health and wellness settings. Prerequisites: EXSS 2320 or consent of instructor. **[UD UCA Core: R]**

3350 OBESITY PREVENTION AND MANAGEMENT This course provides opportunities for students to accomplish specific competencies related to the understanding of the prevalence of overweight and obesity, dietary considerations, environmental considerations, and behavioral strategy considerations. Students will examine items in this course as it pertains to the world, the United States, and in particular, the state of Arkansas. Prerequisite: BIOL 1400, 1401, 1402, 1410 or 1440.

3352 EXERCISE PRESCRIPTION FOR SPECIAL POPULATIONS This course provides students with knowledge and experiences on the different aspects of physical activity programming for individuals who have specific disabilities or health limitations and conditions that warrant special attention. Prerequisite: EXSS 3348 or consent of instructor.

3353 EXERCISE PRESCRIPTION FOR SENIOR POPULATIONS This course provides students with knowledge and experiences on the different aspects of physical activity programming for older adults. Prerequisite: EXSS 3352 or consent of instructor.

3355 EXERCISE SCIENCE CLINICAL EXPERIENCE I This course provides students with the opportunity to gain practical and clinical experience in the interaction, assessment, and management of those considered healthy in the general population and those in clinical settings focusing on disease management and maintenance. Prerequisites: EXSS 3331 and EXSS 3348.

3382 BIOMECHANICS A required course for students majoring in a baccalaureate program in the Department of Exercise and Sport Science or seeking a coaching endorsement. This course is designed to develop students' understanding of the mechanical principles that govern the effectiveness with which physical education, fitness, and sport skills are performed. Lecture, discussion, and individual research projects. Prerequisites: PHYS 1400 or CHEM 1402 or 1450 with a grade of C or higher. **[UD UCA Core: I]**

4V71 WORKSHOP IN EXERCISE AND SPORT SCIENCE (Variable credit: 1-3 credit hours.) Specific topics/problems with emphasis on current trends in physical education, exercise science, and athletic training. Primary instructional strategies will vary depending on topic.

4V99 INTERNSHIP IN EXERCISE SCIENCE (Variable credit: 3 or 6 credit hours.) This course provides a supervised, comprehensive experience in which students apply their knowledge and skills in clinical, recreational, and sport facilities. Enrollment is only allowed in the last semester of the senior year.

4230 FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION A required course for kinesiology and physical education majors, athletic training majors, and those seeking the coaching endorsement. This course focuses on the foundations, theories, principles, and measurement of physical fitness and in particular the means for conducting fitness testing and providing exercise prescriptions. Students will learn how to screen subjects, assess physical fitness levels, and prescribe appropriate exercise training based upon an individual's goals and assessed needs. Lecture, activity, simulations, and required field experiences. Prerequisites: EXSS 3303 (formerly EXSS 4300) and major status or consent of instructor.

4303 CLINICAL EXERCISE PHYSIOLOGY This course studies the cardiovascular and pulmonary responses and adaptations to a variety of exercise conditions in cardiovascular, pulmonary, and metabolic disease populations. The use of exercise in the treatment and diagnosis of various disease states will be explored. Prerequisite: EXSS 3303 and 3355.

4320 MEASUREMENT AND EVALUATION IN HUMAN PERFORMANCE A required course for students majoring in a baccalaureate degree program in the Department of Exercise and Sport Science. This course focuses on the analysis of theoretical and practical issues involved in evaluation of motor performance, behavior and knowledge. Interpretation of research with an emphasis on statistical techniques is included. Lecture, discussion, laboratory experiences, and use of statistical analysis software. Prerequisites: admission to the kinesiology and physical education, exercise science, or athletic training program; junior or senior classification; or consent of instructor. **[UD UCA Core: Z]**

4323 GROUP EXERCISE LEADERSHIP This course provides students with competencies in the concepts, principles, and skills related to group exercise instruction and leadership. Students will participate in and lead various forms of group exercise. Prerequisite: EXSS 3348 or consent of instructor.

4351 SPORT AND FITNESS ADMINISTRATION This course is designed to cover the organization, planning, implementation, and administration of physical activity, sport, and exercise science programs in educational, clinical, corporate, and community settings. Topics include the arrangement of units within the program, the process of responsibility of leadership, public relations, budgets, and facilities. Lecture, discussion, case studies, and use of specialized computer software. Prerequisites: EXSS 1310 and 3348; junior or senior classification; and major status. **[UD UCA Core: C]**

4355 EXERCISE SCIENCE CLINICAL EXPERIENCE II This course provides students with the opportunity to gain practical and clinical experience in the interaction, assessment, treatment, and rehabilitation of those in clinical settings focusing on rehabilitation and disease management. Prerequisite: EXSS 3355.

4376 ADVANCED STRENGTH AND CONDITIONING This course has three main objectives: (a) to examine physiological, biomechanical, motor control, and psychological aspects of sport; (b) to prepare students to create effective strength and conditioning programs for sport, recreational, clinical, and rehabilitation purposes; and (c) to educate students about current trends in strength and conditioning. Prerequisite: EXSS 3348 or ATTR 3335 or consent of instructor.

4390 SPECIAL PROBLEMS IN EXERCISE AND SPORT SCIENCE A course of directed study and independent work in a chosen area in kinesiology and physical education, exercise science, or athletic training under the supervision of a selected faculty member. Honors course. The primary instructional method is a mentor-protege format. Prerequisites: minimum cumulative and departmental grade point average and consent of instructor and chair regarding selected topic.

4395 SPORT IN AMERICAN SOCIETY A required course for kinesiology and physical education, exercise science, and athletic training majors. This course emphasizes sport within a sociological context. Theories of sport and society will be examined to analyze and explain various relationships existing between sport and American society. Particular attention is directed toward sport and social groups, processes, forces, and institutions. Prerequisite: Junior or senior standing. **[UD UCA Core: D]**

Family and Consumer Sciences

URL: http://uca.edu/ubulletin/courses/family-and-consumer-sciences/

[1] Textiles and Clothing

1370 INTERIOR AND APPAREL CONSTRUCTION I A required course for the general FACS and FACS education major and an elective for the interior design major. The course includes principles of construction for both interiors and apparel with emphasis on workroom techniques.

2360 TEXTILES A required course for the interior design and general FACS major. The course includes a study of the fundamental weaves, yarns, fibers, colors, and finishes with reference to selection of fabrics for clothing and home furnishings. Lecture/discussion.

2380 ADVANCED CLOTHING CONSTRUCTION An elective course for the general FACS major. The course focus is planning clothing needs of the individual or family. Design and construction of garments from synthetic and wool fabrics is included. Lecture and laboratory. Prerequisite: FACS 1370.

3360 CONSUMER PROBLEMS IN CLOTHING A required course for the general FACS major. A study of the sociological, psychological, and economic aspects of clothing selection; wardrobe management; professional image and apparel evaluation. Workshop format.

3361 INTERIOR AND APPAREL CONSTRUCTION II An elective course for majors and non-majors. The course includes advanced techniques for interior and apparel workroom construction. Lecture/laboratory. Prerequisite: FACS 1370.

[2] Child and Family Life

2341 LIFESPAN DEVELOPMENT A required course for dietetic and general FACS majors. A study of the physical, cognitive, social, and emotional development, and changes of the individual over the life span. Lecture with directed field experience required.

2351 FAMILY RELATIONS A required course for all FACS specialization areas. The focus is on issues confronting the family including study of marriage, and single, group, and family living through stages of the family life cycle. Lecture.

3318 PARENTING ISSUES A required course for the general FACS and FACS education major. The course is a study of the basic principles and skills for parent effectiveness including application of fundamental tasks and issues in child rearing to unique characteristics and developmental stages of children. Lecture with directed observation assignments.

[3] Consumer Education and Resource Management

3311 RESOURCE MANAGEMENT A required course for the dietetic, general FACS, and FACS education major. The course focus is on the decision-making process and management principles applied to consumer activities and personnel management for the dietitian. Observation and analysis of diverse family practices and food service administrators is required. Lecture with required directed observations. **[UD UCA Core: C]**

3372 PERSONAL AND FAMILY FINANCE A required course for the dietetic/nutrition and general FACS education major. A study of consumer problems related to management of family resources and the role of family and consumer sciences in assisting families manage personal finances. Lecture/discussion with computer laboratory assignments required. **[UD UCA Core: I, R]**

[4] Family and Consumer Sciences Education

3456 METHODS IN FAMILY AND CONSUMER SCIENCES EDUCATION A required course for the dietetic and FACS education major. The course will emphasize techniques of teaching, curriculum planning, using instructional technology, guidelines for presentations and educational objectives. Lecture/discussion. **[UD UCA Core: Z]**

4355 CURRICULUM DEVELOPMENT IN FAMILY AND CONSUMER SCIENCES EDUCATION A required course for the FACS education major. The course will focus 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 and FACS 3456.

4350 INTERNSHIP I A required course for the FACS education major. 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. **[UD UCA Core: Z]**

[5] General Courses

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.

4V30 WORKSHOP (Variable credit: 1-3 credit hours.) 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.

4301 RESEARCH IN FAMILY AND CONSUMER SCIENCES An elective course for the FACS 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.

4600 INTERNSHIP An elective course for the FACS major. 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.

Film

URL: http://uca.edu/ubulletin/courses/digital-filmmaking/

[1] Courses in Film (FILM)

1305 INTRODUCTION TO FILM A required course for majors in digital filmmaking and a prerequisite for all Digital Filmmaking courses. The course introduces students to basic concepts of cinematic form and genre; stylistic techniques of mise-en-scene, cinematography, editing, and sound; and aesthetic consideration of form, genre, and style. Lectures, readings, and screenings. Prerequisite: None.

1310 INTRODUCTION TO VISUAL STORYTELLING A required course for majors and minors in digital filmmaking. The course introduces students to filmmaking fundamentals of visual storytelling, storyboarding, visual design, and best practices using digital filmmaking technology. Lecture. Prerequisite: FILM 1305.

2300 FILM APPRECIATION General education curriculum option for the fine arts requirement. Promotes understanding and appreciation of the art of cinema through study of film style, film history, film genres, and the cultural impact of films. Examines both the theory and practice of filmmaking. Lectures, readings, screenings.

2310 SCRIPT ANALYSIS A required course for digital filmmaking majors. The course covers analysis, formatting, structure, and construction of the motion picture treatment and screenplay from scene to act level. Character creation and motivation are also addressed. Prerequisites: FILM 1305.

2466 DIGITAL FILMMAKING 1 A required course for digital filmmaking majors. Techniques of digital video production, terminology, and operation of digital video cameras, lenses, lighting, audio recording, and digital editing. Production. Prerequisites: FILM 1310 and 2310.

3315 CLASSICAL FILM THEORY A required course for majors in digital filmmaking. A survey of the literature and films associated with what is now considered the classical era of film theory (1916-1958). The course will consider the questions early film theorists asked about the (then) new art form as well as what they offered as answers to their questions. Lectures, readings, discussions, and screenings. Prerequisites: FILM 1305. **[UD UCA Core: I, R]**

3316 FILM THEORY SINCE 1960 An elective for majors in digital filmmaking. The course is a historical account of theoretical writings about film from the mid-twentieth century to the present, including semiotic, psychoanalytic, Marxist, feminist, and cognitive theories of film. Lectures, readings, discussions, and screenings. Prerequisites: FILM 1305.

3321 DIGITAL FILMMAKING INTERNSHIP Internships provide qualified students an opportunity to integrate professional experience in the filmmaking industry with traditional academic study. Successful internships will expose students directly to professional camera work, editing, writing, producing, and/or sound recording and design, a well as allow students to develop potential career contacts and strengthen his or her resume (3 hrs.). Internships require 120 work-experience hours to be completed and verified. May be repeated for credit. Minimum GPA 2.5. Prerequisite: FILM 3456.

3322 DIRECTED STUDY IN DIGITAL FILMMAKING Students will engage in a digital filmmaking project or course of study of their own creation. Because there are no scheduled class meetings, students will work independently in consultation with a faculty supervisor. Enrollment requires the consent of the faculty supervisor. Prerequisite FILM 3456. May be repeated for credit.

3350 CINEMA HISTORY 1 A required course for majors in digital filmmaking. History of the motion picture in the silent and early sound era. The events are presented chronologically with screenings of representative films from each decade. The course is international in scope with attention paid to major contributions to cinema from several countries. Topics discussed include the origin of the movies, the acquisition of sound and color, the development of the studio system, as well as trends, movements, and influences. Lectures, readings, discussions and screenings. Prerequisites: FILM 1305.

3351 CINEMA HISTORY 2 A required course for majors in digital filmmaking. History of the motion picture in the contemporary era. Relevant events of this period are presented chronologically with screenings of representative films from each decade. The course is international in scope with attention paid to major contributions to cinema from several countries. Topics discussed include changes in the national studio systems and the role of independent producers, as well as trends, movements, and influences. Lectures, readings, discussions, and screenings. Prerequisites: FILM 1305 and FILM 3350. **[UD UCA Core: D]**

3456 DIGITAL FILMMAKING 2 A required course for majors in digital filmmaking. The course provides students with higher-level aspects of the digital filmmaking process from both technical

and narrative points of view. Specific skills learned include computer aided pre-production, exposure control, shot design, three-point lighting technique, digital audio recording, and professional level non-linear picture and sound editing. The focus throughout will be on the use of these skills in narrative story construction. Production. Prerequisites: FILM 2310, FILM 2466, completion of 60 credit hours.

4305 PRODUCTION DESIGN An elective course for Digital Filmmaking majors and minors. The course introduces students to production design and art direction for digital filmmaking. Topics include understanding basic visual components, the design process, visualization techniques, implementation of scenery and costumes, and the profession of designer. Students are introduced to the impact scenery, light, costumes, and props have in a completely designed production. Lecture. Prerequisite: FILM 2466

4311 CINEMATOGRAPHY An elective course for Digital Filmmaking majors and minors. This course expands students' understanding of visual storytelling through cinematography. Topics include creative approaches to composition, lighting techniques, digital cinema workflows and color grading. Prerequisite: FILM 2466.

4320 FILM EDITING This is a project-oriented elective course in non-linear film editing, with an emphasis on classical, continuity editing as a storytelling device. Topics include history, aesthetics, techniques, and technical aspects of editing. Lecture. Prerequisite: FILM 2466.

4354 ANIMATION FOR VISUAL EFFECTS An elective course for Digital Filmmaking majors and minors. This course introduces the student to the art and science of 3D computer animation for pre-rendered and real-time applications. Topics covered include an introduction to planning, modeling, surfacing, lighting, animation, physical simulation, rendering, and compositing 3D renderings for use in film visual effects. Prerequisite: FILM 2466. Lecture.

4355 VISUAL EFFECTS COMPOSITING An elective course for Digital Filmmaking majors and minors. This course introduces the student to the art and science of visual effects compositing for digital filmmaking. Topics covered include the visual effects workflow, video and imaging technology, image processing, matte creation, tracking, re-timing, 2D animation, and 2.5D virtual scenery. Lecture. Prerequisite: FILM 2466

4356 DIGITAL FILMMAKING 3 A required course for majors in digital filmmaking. The course provides students with advanced instruction in narrative construction, production pre-visualization, production planning, and production management. Primarily through project participation and execution, students will learn the procedures and skills necessary to collaborate on the planning and management of a digital film production. Prerequisites: FILM 2466 and FILM 3456. **[UD UCA Core: C]**

4357 DIGITAL FILMMAKING 4 A required course for majors in digital filmmaking. The course provides students with advanced instruction in film production, editing, sound design, color correction, marketing and promotion, and film financing. Primarily through project participation and execution, students will learn the procedures and skills necessary to collaborate on the filming, post-production, and marketing of a digital film production. Prerequisite: FILM 4356. **[UD UCA Core: Z]**

4363 AUDIO PRODUCTION AND DESIGN FOR FILM An elective course for Digital Filmmaking majors and minors. This is a course using audio to support digital filmmaking and

storytelling. Students will study and implement the elements of sound design to create full soundtracks for film projects. Students will also learn to record and mix production audio using different types of microphones and recording equipment. Lectures, discussion, practical exercises. Prerequisite: FILM 2466.

4373 DOCUMENTARY PRODUCTION An elective course for Digital Filmmaking majors and minors.An advanced production class on documentary films and documentary filmmaking. Students will be exposed to a variety of documentary films encompassing different subjects and styles and will learn the production process used in the planning, execution, and construction of short format documentary. Lecture/Production. Prerequisite: FILM 2466.

4380 SEMINAR IN FILM STUDIES An elective course for digital filmmaking majors. Various topics relevant to non-production filmmaking topics and filmmaking careers. May be repeated for credit. Prerequisites: FILM 1305 and consent of the instructor.

4392 TOPICS IN DIGITAL PRODUCTION An elective course for majors in digital filmmaking. Special topics in advanced issues of digital productions, including but not limited to pre-production, digital cinematography, directing, and editing. May be repeated for credit. Prerequisite: FILM 2466.

Finance

URL: http://uca.edu/ubulletin/courses/finance/

[1] Courses in Finance (FINA)

2330 PERSONAL FINANCE UCA Core lower division elective in the responsible living area. The mode of instruction is lecture and discussion. Practical applications of personal financial planning, budgeting, and control. Special attention to the use of credit, insurance, savings, retirement planning, and housing finance.

3323 REAL ESTATE This is an elective course. The mode of instruction is lecture and discussion. Basic principles, laws, and practices related to appraisal, ownership, control, financing, and transfer of residential and other real property.

3330 MANAGING FINANCE AND CAPITAL UCA Core upper division elective in the Critical Inquiry area. This is a required course for all business majors and the actuarial studies minor. The mode of instruction is lecture and discussion. Basic problems and principles in financial management, with special attention to financial planning, asset management, sources of financing, and valuation of the enterprise. Prerequisites: ACCT 2310, 2311 or CSCI 2320; ECON 2320, 2321; QMTH 2330. **[UD UCA Core: I]**

3340 MONEY, BANKING, AND FINANCIAL MARKETS This is a required course for finance majors and an elective for BA and BS economics majors. Coverage includes a survey of monetary theory and the study of banking institutions, financial intermediaries, financial markets, and the influence of government regulation. The mode of instruction is lecture and discussion. Prerequisites: ECON 2320 and 2321.

3350 PERSONAL FINANCIAL PLANNING This is a required course for finance and an elective for insurance and risk management majors. The main objective of the course is to acquaint students with fundamentals of financial planning and basic understanding of terminology and concepts that are widely used in the financial planning industry. The emphasis is on the latest financial planning

methods and techniques for effective money management. The modes of instruction include lecture and discussion. **[UD UCA Core: R]**

3382 INTERNSHIP IN FINANCE This is an elective course open to Finance majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be awarded for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Junior standing.

4331 BANK MANAGEMENT An elective in the finance major, this course provides a broad understanding of commercial banking. Coverage includes the principles and practices of commercial bank lending as well as asset, liability, and capital management. The mode of instruction is lecture and discussion. Prerequisite: FINA 3330 and 3340.

4332 INVESTMENTS This is a required course for finance majors and insurance and risk management majors and an elective for BS economics majors. The mode of instruction is lecture and discussion. Basic theory, concepts, and principles applicable in making investment decisions. Emphasis on investment media, investment analysis, valuation techniques, and portfolio construction and management. Prerequisite: FINA 3330.

4333 INTERNATIONAL FINANCE This is a required course for finance majors and BBA economics majors and an elective for BS economics majors. The mode of instruction is lecture and discussion. Global financial markets and multinational financial operations. International financial relationships, emphasizing the international financial context of business decision-making. Prerequisites: ECON 2320 and 2321.

4334 FINANCIAL DERIVATIVES This is an elective course in the Finance major and an elective in the actuarial studies minor. The mode of instruction is lecture and discussion. Financial derivatives and markets are examined with an emphasis on their use of hedging and speculative purposes. Major valuation models and term structure models are discussed with applications to problems in financial decision-making process. Prerequisite: FINA 3330.

4336 ADVANCED FINANCIAL MANAGEMENT UCA Core upper division elective in Effective Communication. This is a required course for all finance majors and actuarial studies minors. The mode of instruction is lecture and discussion. Analysis of financial theories and practices as they relate to financial decision-making within the firm. Selected cases, problems, and readings illustrate techniques used in financial decision-making. Prerequisite: FINA 3330. **[UD UCA Core: C]**

4376 ENTREPRENEURIAL & SMALL BUSINESS FINANCE This course is required for the Entrepreneurship major and an elective in the Finance major. The mode of instruction is lecture and discussion. The course emphasizes the differences between large corporations and Small and Medium Enterprises (SME's). Topics include techniques for estimating financial resource requirements and sources of funds for small businesses in the development, startup, and survival stages of the SME's life cycle. Other topics include venture growth capital and exit strategies. Prerequisites: FINA 3330 and MKTG 3376 or consent of instructor.

4382 INTERNSHIP IN FINANCE This is an elective course open to Finance majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be awarded for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Senior status.

4V90 INDEPENDENT STUDY (Variable credit: 1-3 credit hours.) An investigation of a selected problem in finance consisting of readings and research and designed to involve the student in substantive analysis. Required for graduation with honors in the major. Prerequisite: consent of department chair.

4V95 SPECIAL PROBLEMS IN FINANCE (Variable credit: 1-3 credit hours.) A course in finance on a special topic issue. The topic will vary from semester to semester. Prerequisite: consent of department chair.

French

URL: http://uca.edu/ubulletin/courses/french/

[1] Courses in French (FREN)

1V11 BASIC FRENCH COMMUNICATION (Variable credit: 1 or 2 credit hours.) Oral practice in basic French communication for social and travel situations. Laboratory or classroom setting.

1301 FRENCH FOR READING KNOWLEDGE Designed to enable students with no prior knowledge of French to acquire a basic reading competency. Includes an overview of the principles of French grammar and the study of texts related to students' fields of study. Of special interest to students preparing for graduate school. FREN 1301 does not count toward the BA requirement.

1310 ELEMENTARY FRENCH I Beginning study of French. Basic communication skills are emphasized. Discussion/lecture. Prerequisite: no previous experience in French or placement examination score. Students with 3 or more years of high school French should take either FREN 1320 or 2310 based on placement process. **[ACTS: FREN1013]**

1320 ELEMENTARY FRENCH II Continued study of the basic elements of French and practice in communication skills. Discussion/lecture. Prerequisite: C grade or better in FREN 1310 or appropriate placement examination score, or consent of chair. **[ACTS: FREN1023]**

2V12 COMMUNICATING IN FRENCH (Variable credit: 1 or 2 credit hours.) Oral practice of French in social, travel, and business situations. Does not fulfill BA foreign language requirement.

2310 INTERMEDIATE FRENCH I Review and broadening of basic skills in realistic contexts. The first course in the minor or major. Study of cultural and literary texts. Discussion/lecture. Prerequisite: C grade or better in FREN 1320 or appropriate placement examination score, or consent of chair. **[ACTS: FREN2013]**

2320 INTERMEDIATE FRENCH II Further review with special emphasis on reading and writing. Also fulfills Critical Inquiry Humanities elective in UCA CORE. Discussion/lecture. Prerequisite: FREN 2310 or appropriate placement examination score and consent of chair. **[ACTS: FREN2023]**

2330 INTRODUCTION TO BUSINESS FRENCH Special applications of French to the business environment. Emphasis on a broad range of topics related to the needs of people working with or living in the French business community. Discussion/lecture. Prerequisite: FREN 2310 or consent of chair.

2340 INTENSIVE ORAL PRACTICE ABROAD IN FRENCH Intensive practice in speaking French. 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 Languages, Linguistics, Literatures, and Cultures. French 2340 cannot be counted toward the major or minor in French, but it may be used to fulfill the three credit hours required at the intermediate level for the B.A. foreign language requirement. Prerequisite: FREN 1320.

3V60 PRACTICUM IN FRENCH (Variable credit: 1 or 2 credit hours.) 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.

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 and passing scores on proficiency tests in FREN 2320, or departmental placement, or consent of chair. **[UD UCA Core: I, C]**

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. **[UD UCA Core: I, C]**

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. **[UD UCA Core: D, I]**

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. **[UD UCA Core: D, R]**

3320 FRENCH LITERATURE I Survey of French literature before 1800. Discussion/lecture. Prerequisite: FREN 3300 or consent of chair.

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. Discussion/lecture. Prerequisite: FREN 3300 or consent of chair. **[UD UCA Core: D, I]**

3330 ADVANCED BUSINESS FRENCH An upper-division elective designed to help students transition from intermediate-high to advanced level proficiency in listening, speaking, reading and writing skills as they study business related vocabulary, concepts, and cultural differences. Review of grammatical structures as needed. Students will read articles related to conducting business in France, the state and structure of France’s economy and will explore current topics in global economics and trade, especially as they pertain to French and Canadian firms doing business in the U.S. and Arkansas. Discussion/lecture. Prerequisite: one FREN 3000-level class or consent of chair.

3340 INTENSIVE ORAL PRACTICE ABROAD IN FRENCH Intensive practice in speaking French. 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 French Abroad (3340) toward the major in French. Prerequisite: FREN 2320.

3350 FRENCH CINEMA Overview of French cinema from its invention to the present. Students will explore cinematic trends and movements such as early documentary and narrative film shorts, silent classics, avant-garde films, poetic realism, golden-era sound films, popular cinema, the New Wave, post-68 cinema feminist films, cinéma du look, neo-realism, gay cinema, la mode rétro, heritage films, cinéma de banlieue, postmodern films, African cinema, immigration cinema, and post-national cinema. Prerequisite: FREN 2320. Discussion/lecture.

3370 FRENCH TRANSLATION An upper-division elective designed to help students improve their proficiency in French through a traditional thème-version approach. That is, students will translate both from English to French and from French to English. Students will begin at the sentence level before moving on to translate texts of increasing length on a variety of topics. Review of grammatical structures as needed. Discussion/lecture. Prerequisite: one FREN 3000-level class or consent of chair. **[UD UCA Core: D, I]**

3398 INTENSIVE FRENCH ABROAD Intensive study abroad. Classes in French conversation and or study of topics related to French history, culture, and literature. Prerequisite: French 2320 or consent of chair.

4V00 INDEPENDENT STUDY IN FRENCH (Variable credit: 1-3 credit hours.) Prerequisite: Consent of instructor and chair.

4110 SENIOR CAPSTONE PROJECT Capstone course required of all students completing a track in the French Concentration of the Modern Language Degree program. Students must complete a series of comprehensive assessments including proficiency examinations, self-assessments, essays and a final paper asking students to integrate their linguistic, cultural, and literary knowledge. Students completing the course will be required to complete an official ACTFL Oral Proficiency Interview. Discussion/lecture. Prerequisite: Completion of 24 hours in the major. **[UD UCA Core: Z]**

4310 UNDERGRADUATE SCHOLARS THESIS Tutorial taken in the senior year by a student who is invited to enter the undergraduate scholars program in French. 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 CONVERSATION AND PHONETICS Development of advanced oral proficiency including a study of French pronunciation habits. Discussion/lecture. Prerequisite: FREN 2320 or consent of chair.

4395 ADVANCED FRENCH LITERATURE Theme course. Special studies in various genres, literary movements, or authors. May be repeated for credit under different topics. Seminar format. Prerequisite: Two 3000-level courses or consent of chair.

4396 TOPICS IN FRANCOPHONE CULTURES Theme course. Special topics relating to sociological, political, cultural, and philosophical aspects and/or trends in France and the French-speaking world. May be repeated for a maximum of 6 credits under different topics. FREN 4396 may count as either a literature course or a culture course to fulfill major area requirements. Fulfills UD Core elective in Responsible Living and Diversity. Discussion/lecture. Prerequisites: FREN 3300 or consent of chair. **[UD UCA Core: D, R]**

First Year/Freshman Seminars

URL: http://uca.edu/ubulletin/courses/first-year-seminars/

These courses are not currently part of any program.

[1] First Year Seminars (FYFS)

1301 FIRST-YEAR SEMINAR: STUDIES IN HUMANITIES Fulfills the 3-hour requirement in humanities.

1310 FIRST-YEAR SEMINAR: STUDIES IN WORLD CULTURAL TRADITIONS Fulfills 3 hours of the 9-hour requirement in world cultural traditions.

1320 FIRST YEAR EXPERIENCE: AN INTRODUCTION TO HIGHER LEARNING This course is designed to introduce first-year students to the aims and activities of higher education, to advance their theoretical and practical knowledge, to empower them for academic and life success, and to encourage them to engage in service to the local community.

Geography

URL: http://uca.edu/ubulletin/courses/geography/

[1] Courses in Geography (GEOG)

1300 GEOGRAPHY OF WORLD REGIONS In this course students will come to better understand the rapidly changing world through analyzing cultural and physical regions using traditional Western as well as non-Western and the evolving Developing World's theories. The course uses primarily electronic sources for current data gathering and various types of geographic analysis, supported by lecture and discussion. This course may be taken to satisfy the Diversity in World Cultures requirement as a social science elective in the UCA Core, but it may not count toward the 36-hour geography major or the 24-hour geography minor. **[ACTS: GEOG2103]**

1305 PRINCIPLES OF GEOGRAPHY This course uses a lecture and discussion format to provide an introduction to the basic conceptual and methodological principles of geography as an academic discipline for understanding the patterns of human societies and physical environments on the surface of the earth. This course may be taken to satisfy the Inquiry and Analysis social science elective in the lower-division UCA Core, but it may not count toward the 36-hour geography major or the 24-hour geography minor. **[ACTS: GEOG1103]**

1315 INTRODUCTION TO PHYSICAL GEOGRAPHY Required for majors and minors in geography, majors in environmental science, and minors in geographic information science. In a lecture and discussion format, this course is a topical assessment of the spatial diversity of the natural environment, including landforms, weather and climate, soils, vegetation, and water, along with their significance in terms of human occupation of the earth. **[ACTS: GEOG2223]**

1320 HUMAN GEOGRAPHY Required for majors and minors in geography and minors in geographic information science. In a lecture and discussion format, this course examines the spatial variability of human characteristics across the surface of the earth. Topics include the geography of culture, population, language, religion, settlement, agriculture, urbanization, and political activities. **[ACTS: GEOG1113]**

1400 EARTH SYSTEMS SCIENCE This course is a systematic study of the various components that make up the Earth's physical environment, weather, climate, vegetation, soil, and landforms using a lecture and laboratory format. Specific emphasis is placed on understanding interactions between the natural processes that create and modify the Earth System's four major subsystems (atmosphere, biosphere, hydrosphere, and lithosphere). Physical geographic perspectives (e.g., location, landscape interpretation, etc.) and the scientific method are incorporated into the lecture and laboratory settings to foster a holistic view of the Earth System, and provide students with a comprehensive overview of the physical world in which we live. This course satisfies the Natural Science/Physical Science requirement in the LD UCA Core; it cannot be used to fulfill the BS special degree requirement. **[ACTS: PHSC1104]**

2330 QUANTITATIVE METHODS IN GEOGRAPHY A required course for geography majors and students enrolled in the Geographic Information Science minor. This course uses a lecture and discussion format to provide information about description, inferential, and relational statistics as these techniques are employed in spatial analysis; also included is that set of quantitative methods used in conjunction with map analysis termed spatial statistics.

2331 RESEARCH METHODS IN GEOGRAPHY Required course for geography majors. This course, through lectures, readings and assigned projects, introduces students to the significant components of contemporary geographic research methods. Topics may include the scientific method, research paper structure, citation methodology, archival research, field research methodology, writing and using surveys, the Institutional Review Board, and the use of geospatial technology in research. This course must be taken prior to or in conjunction with the first upper-division course in geography.

2345 GEOGRAPHIC INFORMATION TECHNIQUES A lower-division elective. The course, via lectures, class discussions, and laboratory exercises, enhances students' knowledge and understanding of geography, geographic information, and the various techniques geographers employ as they collect, store, manage, analyze, and display geographic data or information.

2475 CARTOGRAPHY Required of geography/GIS majors and minors. Cartography today revolves around the study of the theory, science, and technology behind the production of maps and spatial databases. This computer lab-oriented course blends short lecture and demonstration with exercises created to instruct students on cartographic design and convention, the construction of reference and thematic maps using mapping software, and the collection and classification of geographic data for mapping.

3V99 INTERNSHIP IN GEOGRAPHY (Variable credit: 3 or 6 credit hours.) 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.

3300 WORLD REGIONAL GEOGRAPHY A required course for geography majors and minors. A lecture and discussion-oriented course that focuses on the physical and cultural geography of Earth's major regions: U.S.A. and Canada, Latin America, Europe, Russia and the Near Abroad, Middle East and North Africa, Africa South of the Sahara, Monsoon Asia, and the Pacific World.

3301 CONSERVATION OF NATURAL RESOURCES Required for environmental science majors, an elective for others. This course uses a lecture and discussion format in an assessment of the physical, social, economic, and political considerations in the examination of major global natural resource issues with emphasis on the United States. The historical development and contemporary application of the conservation philosophy of resource use are discussed. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: R]**

3302 ARID LANDS GEOGRAPHY An upper-division elective. This course employs a lecture and discussion format, supplemented by outside readings and research, to explore physical and cultural environments in arid and semi-arid lands and to develop strategies pertinent to planning for the future. Prerequisite: GEOG 1315 or consent of instructor.

3305 ECONOMIC GEOGRAPHY An upper-division elective. The course uses lectures and class discussions to provide a description and explanation of m a spatial patterns of economic activities, including manufacturing, transportation, information and financial services, and consumption. Classical location theories of Von Thunen, Weber, and Christaller are included along with contemporary theories of globalization. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: I]**

3306 INTRODUCTION TO REMOTE SENSING AND IMAGE INTERPRETATION An upper-division elective and a requirement for the Geospatial Concentration and geographic information science minors. This course introduces students to the history and science of remote sensing, as well as to the principles of image interpretation and basic photogrammetry. Classroom activities include lectures, lab exercises, and term projects. Prerequisite: GEOG 2331 or consent of the instructor.

3315 GEOGRAPHY OF LATIN AMERICA An upper-division elective and required for Latin American studies minors. Using a lecture and discussion format, an examination and comparison of the various nations that comprise Latin America is achieved. Emphasis is on the physical environment, social and economic development, and historical trends that affect the region's evolution. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: D, C]**

3318 BIOGEOGRAPHY This course offers a broad introduction to the field of biogeography, exploring key concepts, theories, and practices employed by biogeographers. Past and present distribution of plants and animals will be described through systematic and integrative studies, and factors of location including geographical, environmental, and historical, will be discussed. The course consists of lecture and discussion. Prerequisite: GEOG 1315 or consent of instructor.

3319 GEOGRAPHIC FIELD TECHNIQUES An upper-division elective for geography majors/minors, minors in geographic information science, and others desiring field mapping methods, such as environmental science majors. This lecture/lab/field-oriented course introduces the student to the employment and capabilities of Global Navigation Satellite Systems (GNSS). Students will learn global positioning principles and problems and primary GNSS/GPS terminology; use a variety of GNSS receivers for positioning, navigating, tracking, and data logging in the field; configure GNSS units for customized use and interface with computers and GIS software; and understand how to correctly integrate GNSS information into GIS software for analysis and online mapping. Prerequisite: GEOG 2475.

3320 FIELD STUDIES An upper-division elective for students interested in receiving credit while: (1) conducting field work in the United States or foreign area, and/or (2) studying in a foreign area.

Typically students keep journals and write papers about their experiences. Prerequisite: GEOG 1315 or 1320 and consent of instructor.

3325 URBAN AND REGIONAL PLANNING An upper-division elective. Using a lecture and discussion format, a macrospatial analysis of planning techniques and case studies as evolving in the US is emphasized. Rapidly changing trends, philosophies, and techniques in the planning field are combined to better understand the locational decisions impacting transportation and urban growth. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: R]**

3333 GEOGRAPHY OF NATURAL HAZARDS An upper-division elective. This course uses a lecture and discussion format in identifying geomorphic and atmospheric phenomena (e.g., floods, tornadoes, hurricanes, earthquakes) that represent real hazards to the population. Human responses to the various natural hazards are assessed and common adjustments identified. Prerequisite: GEOG 1315 and 2331 or consent of instructor. **[UD UCA Core: R]**

3335 GEOGRAPHY OF EUROPE AND RUSSIA An upper-division elective using a lecture and discussion format. Students will learn about the physical and human geography of Europe and the Russian Federation. Emphasis is on landforms, weather and climate, soils, vegetation, settlement, migration and expansion, agriculture, industry, urban and rural life, and politics. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: D]**

3345 GEOGRAPHY OF CHINA AND EAST ASIA An upper-division elective for Geography, Asian Studies, or other students. Using a lecture, discussion, and Internet/technology format, an examination and comparison of the various nations that comprise Pacific Asia is achieved. Regional emphasis will be centered on China, Japan, North and South Korea, and the states of Southeast Asia. Topical emphasis is on the physical environment, resources, social and economic development, historical trends, and participation in today's globalizing world. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: D]**

3346 GEOGRAPHY OF SOUTH ASIA An upper division elective. This course is intended to be interactive and discussion oriented involving student's participation. Lectures, discussion, and video films will enable students to understand the issues, challenges, and diversity in the region. This course is a 'Journey to South Asia,' exploring, from a geographic perspective, the burning issues, and understanding the economic and social transformations which the region is presently undergoing as it emerges as an economic leader.

3351 WEATHER AND CLIMATE An upper-division elective. This course uses a lecture and discussion format in the identification and assessment of atmospheric processes. Weather variables are investigated, the components and procedures of the daily weather forecasts are described, and the world's climates analyzed.

3361 GEOGRAPHY OF LANDFORMS An upper-division elective. Using a lecture and laboratory format, this course examines the landforms of the earth's surface including those resulting from diastrophism, volcanism, plate tectonics, weathering, mass movement, running water, karst, glacial ice, periglacial environments, wind, and breaking waves. Prerequisite: GEOG 1315 or consent of instructor.

3371 URBAN GEOGRAPHY An upper-division elective. Using a lecture and discussion format, this course analyzes the various aspects of the distribution of urban settlements, the internal structure

of urban areas, and an analysis of the growth, development, and problems of the American city. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: I]**

3380 GEOGRAPHY OF ARKANSAS An upper-division elective. The course, through lectures and class discussions, examines the physical and human geography of the state of Arkansas. Topics include landforms, weather, climate, settlement, poverty, politics, agriculture, and lumbering, among others. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: D]**

3381 POLITICAL GEOGRAPHY An upper-division elective. Using a lecture and discussion format, the spatial perspective of political phenomena is analyzed. Traditional topics include the coincidence of state and nation, boundaries, claims to territory, and state location, shape, and size. Contemporary topics include political processes and territory, integration, location, residential quality, economic factors, and local policy in metropolitan areas. Prerequisite: GEOG 1320 and 2331 or consent of instructor. **[UD UCA Core: I]**

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.

3403 GEOGRAPHIC INFORMATION SYSTEMS An upper-division elective for geography majors and a requirement for geography-geospatial majors and geographic information science minors. This computer lab-oriented course introduces the student to the realm, principles, and capabilities of a widely applicable technology, geographic information systems (GIS). A lecture and lab exercise format are employed to develop understanding of and practically apply the fundamental concepts of GIS. Emphasis is placed on life-based applications of GIS technology; a simple research project is required. Prerequisite: GEOG 2475 or consent of instructor. **[UD UCA Core: I]**

3404 GEOGRAPHIC INFORMATION ANALYSIS An upper-division elective for geography majors and geographic information science minors and a requirement for geospatial track majors. This is an advanced-level course in GIS. It provides an understanding of analysis in GIS environment, knowledge of GIS design and implementation, an insight into spatial variability and geostatistics, and an experience in error propagation analysis within GIS. Emphasis of lectures and practical lab exercises is placed on problem-solving GIS techniques such as layering, networking, buffering, and querying. Environmental modeling and decision support system creation in real-life research projects executed by students is also an objective of this course. Prerequisites: GEOG 3403 or consent of instructor.

4V60 SPECIAL PROBLEMS IN GEOGRAPHY (Variable credit: 1-3 credit hours.) An elective for geography majors and minors. Independent readings, discussions, and writings are completed in specific areas of geography that are of particular interest to the student. Credit from one to three semester hours may be earned in one semester. May be repeated for a total of six hours, but only three hours may be applied toward the major. Prerequisite: 12 semester hours in geography and consent of instructor.

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 and 2331 or consent of instructor. **[UD UCA Core: R]**

4305 SOILS An upper-division elective, this course introduces the soil environment, including soil properties and components, soil controls, soil-forming processes, soil classification, 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 characteristics of soils. Prerequisite: GEOG 1315 or consent of instructor.

4307 LOCATIONAL ANALYSIS AND DECISION MAKING WITH GIS An upper-division, project-based elective designed for students interested in the variety of applications of GIS, relevant to many disciplines beyond the major and minor in Geography or GIS. Topics may include site analysis, addressing global development issues, marketing/insurance analysis, crime analysis, urban planning/public administration uses, and historic preservation. The course examines example applications and enables students to use GIS software to complete computer-based exercises and for project development. Vector GIS is emphasized. Prerequisite: GEOG 3304 or consent of instructor.

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 oceanic physical environment and natural resources. Prerequisite: GEOG 1315 or consent of instructor.

4309 GIS IN PRACTICE: ENVIRONMENTAL APPLICATIONS An upper-division, project-based elective designed for students interested in the variety of environmental applications of GIS. Topics such as human impact on the landscape, environmental hazards, endangered species habitat inventory and protection, and point and non-point pollutant sources will be addressed in short lectures and example applications. The student will use GIS software to complete directed exercises, as well as for development of an individual project. Raster GIS is emphasized. Prerequisite: GEOG 3304 or consent of instructor.

4313 RECREATION AND TOURISM An upper-division elective. This course uses a lecture and discussion format in the analysis of the physical, economic, and social aspects of outdoor recreation and tourism. Emphasis is on outdoor recreation activity and tourism in the United States and Arkansas. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: I, R]**

4325 PERSPECTIVES ON HUMAN GEOGRAPHY An upper-division elective. A seminar-oriented, discussion-based course, which analyzes significant trends of thought that have emerged in human geography since 1945. Prerequisite: GEOG 1320.

4390 HISTORICAL GEOGRAPHY OF THE UNITED STATES An upper-division elective. The course uses a lecture and discussion format to gain a comprehensive understanding of the evolving human geography of the United States during the past four centuries. Prerequisite: GEOG 2331 or consent of instructor. **[UD UCA Core: D]**

4391 RESEARCH SEMINAR Required for geography majors. This course uses a seminar format to introduce the student to scientific research methods and quantitative techniques with emphasis on geographic research. These methods and techniques are used to initiate investigation into a contemporary student-identified geographic problem and to develop a formal research proposal. Prerequisite: GEOG 2231, junior status, 15 semester hours of geography, and a course in quantitative methods with a passing grade. Fall. **[UD UCA Core: Z]**

4406 INTRODUCTION TO DIGITAL IMAGE PROCESSING This course introduces advanced digital image processing techniques for remotely sensed data. Students will learn to transform satellite imagery though common geometric, radiometric, and atmospheric corrections. Students will also learn common thematic post-processing techniques such as band algebra, change detection analysis, and supervised classification. Classroom activities will include lecture, laboratory assignments, and a term project. Prerequisite: GEOG 3306 or consent of instructor.

German

URL: http://uca.edu/ubulletin/courses/german/

[1] Courses in German (GERM)

1V11 BASIC GERMAN COMMUNICATION (Variable credit: 1 or 2 credit hours.) 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.

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 on-line multi-media workbook. Discussion/lecture. **[ACTS: GERM1013]**

1320 ELEMENTARY GERMAN II Continued practice in comprehension and communication skills. Discussion/lecture. Prerequisite: C grade or better in 1310 or appropriate placement examination score, or consent of chair. **[ACTS: GERM1023]**

2V12 COMMUNICATING IN GERMAN (Variable credit: 1 or 2 credit hours. Oral practice of German in social, travel, and business situations. Does not fulfill BA foreign language requirement.

2310 INTERMEDIATE GERMAN I Basic review with practice in listening reading comprehension and in oral and written communication. Discussion/lecture. Prerequisite: C grade or better in GERM 1320 or appropriate placement examination score, or consent of chair. **[ACTS: GERM2013]**

2320 INTERMEDIATE GERMAN II Continued practice in comprehension and communication skills with additional emphasis on active use of reading and writing skills. Also fulfills Critical Inquiry Humanities elective in UCA CORE. Discussion/lecture. Prerequisite: GERM 2310 or consent of chair. **[ACTS: GERM2023]**

2330 BUSINESS GERMAN Special applications of German to the business environment. Emphasis on a broad range of topics related to the needs of people working with or living in the German business community. Discussion/lecture.

2340 INTENSIVE ORAL PRACTICE ABROAD IN GERMAN Intensive practice in speaking German. Students 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 Languages, Linguistics, Literatures, and Cultures. German 2340 cannot be counted toward the minor in German, but it may used to fulfill the three credit hours required at the intermediate level for the BA foreign language requirement. Prerequisite: GERM 1320.

3V60 PRACTICUM (Variable credit: 1 or 2 credit hours.) Designed to enhance communication skills and cultural knowledge through participation in authentic language experiences. May be repeated for 6 hours, but a maximum of 3 hours may be applied to the minor program. Prerequisite: GERM 2310 or consent of chair.

3300 ADVANCED COMPOSITION AND CONVERSATION I Intensive practice in writing and speaking idiomatic German, including business and social correspondence. Discussion/lecture. Prerequisite: GERM 2320 or consent of chair. **[UD UCA Core: D, C]**

3303 ADVANCED COMPOSITION AND CONVERSATION II Continued practice in writing and speaking idiomatic German, including business and social correspondence. Discussion/lecture. Prerequisite: GERM 2320 or consent of chair. **[UD UCA Core: I, C]**

3312 GERMAN CIVILIZATION Survey of historical, literary, and artistic elements of German society with an analysis of modern German customs and social problems. Discussion/lecture. Prerequisite: GERM 2320 or consent of chair. **[UD UCA Core: D, C]**

3320 INTRODUCTION TO GERMAN LITERATURE Selections from major works of German literature illustrating significant issues of German culture. Prerequisite: GERM 2320 or consent of chair. Discussion/lecture. **[UD UCA Core: D, I]**

3340 INTENSIVE ORAL PRACTICE ABROAD IN GERMAN Intensive practice in speaking German. Students 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. German 3340 cannot be substituted for one of the required courses for the German minor. Prerequisite: GERM 2320.

4V00 INDEPENDENT STUDY IN GERMAN (Variable credit: 1-3 credit hours.) Prerequisite: Consent of chair and instructor.

4350 GERMAN GRAMMAR AND PHONETICS In-depth examination of the elements of German grammar along with a study of the phonetic principles of the language. Discussion/lecture. Prerequisite: GERM 2320 or consent of chair.

4395 ADVANCED GERMAN LITERATURE Theme course. Special studies in various genres, literary movements, or authors. May be repeated for credit under different topics. Discussion/lecture. Prerequisite: Two 3000-level courses or consent of chair. **[UD UCA Core: D, I]**

Health Education

URL: http://uca.edu/ubulletin/courses/health-education-hed/

[1] Courses in Health Education (H ED)

1200 SAFETY EDUCATION Required core course for the major in health education, health occupations option. Students acquire knowledge and skills in accident prevention and general safety education. Lecture/discussion, projects.

1320 ESSENTIALS OF HEALTH AND WELLNESS A lower-division course that fulfills the category of Responsible Living in the UCA Core and a requirement for students majoring in health education. The course provides students with a comprehensive overview of health and wellness and promotes the adoption and maintenance of healthy lifestyle choices. Methods of instruction include

lecture/discussion, personal health assessments, a behavior change project, journal writing, and video presentations. Sections of this course are designated as First Year Seminar (FYS) courses.

2V02 WORKSHOP IN HEALTH EDUCATION (Variable credit: 1-3 credit hours.) Elective. Specific topics dealing with current issues and problems in health education. Lecture/discussion, projects.

2200 PERSONAL HEALTH Elective course emphasizes the impact daily behavioral choices have on prevention of chronic/communicable diseases. Lecture/discussion, interactive video, projects.

2201 FIRST AID Required for BS in health sciences, emphasis in health services administration. CPR, accredited by American Heart Association, is required for specific majors in the College of Health and Behavioral Sciences. Students acquire basic first aid skills. Lecture/discussion, interactive video, skill demonstration, practice, and testing.

2310 INTRODUCTION TO GERONTOLOGY Required for BS in health sciences, emphasis in gerontology. Multidisciplinary introduction to study of human aging. Lecture/discussion.

2320 MENTAL HEALTH Elective. Skills and principles of mental health applied to everyday living. Lecture/discussion, projects.

3120 PREVENTION PRACTICUM Required for students earning a BS in health education, emphasis in prevention. Provides practical experiences in a prevention resource center under supervision of a certified prevention specialist. Observation, workshops.

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. **[UD UCA Core: C]**

3301 THE HEALTH EDUCATION PROFESSION 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. **[UD UCA Core: R]**

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.

3305 HUMAN SEXUALITY Elective. Physical, psychological, and social factors involved in human sexual behavior. Lecture/discussion. **[UD UCA Core: D]**

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.

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.

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. **[UD UCA Core: I]**

3325 DISEASE MANAGEMENT FOR HEALTH PROMOTION Core course for health education majors. An overview of infectious and chronic diseases with an emphasis on the role of

health education in preventing and managing pathology. Lecture/discussion, case studies, assessments, risk appraisals and research.

4V14 WORKSHOP IN HEALTH EDUCATION (Variable credit: 1-3 credit hours.) Elective. Specific topics dealing with current issues and problems in health education. Lecture/discussion, projects.

4V90 DIRECTED INDEPENDENT STUDY (Variable credit: 1-3 credit hours.) Elective. Faculty directed student research activities.

4300 COMMUNITY HEALTH This course will present a comprehensive introduction to community health programs. This course will also explain various programs designed to meet community health needs. Emphasis will be placed on using professional resources in defining and assessing community health problems.

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.

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

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

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. Emphasis on research based approaches in drug abuse prevention. Lecture discussion projects.

4320 HEALTH COMMUNICATION AND ADVOCACY Designed to provide health science students with a comprehensive overview of community-based health promotion interventions. Special emphasis will be placed on preparing students to use communication and social marketing strategies in the public health setting. The course seeks to enhance students' knowledge and skills in the fundamental aspects of environmental rather than individual behavior change strategies. Prerequisite: H ED 3301 or H ED 4331.

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.

4343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS Required for selected majors in College of Health and Behavioral 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 credit for only one of the courses.

4350 HEALTH EDUCATION TECHNIQUES IN THE ELEMENTARY SCHOOL Elective. Provides the elementary teacher with skills and techniques for teaching health education. Lecture/discussion, projects.

4351 HEALTH EDUCATION TECHNIQUES IN THE MIDDLE SCHOOL Elective. Provides the middle school teacher with skills and techniques for teaching health education. Lecture/discussion, projects.

4352 HEALTH EDUCATION TECHNIQUES IN THE JUNIOR HIGH SCHOOL Elective. Provides the junior high school teacher with skills and techniques for teaching health education. Lecture/discussion, projects.

4361 DRIVER EDUCATION Elective. Prepares high school teachers in driver education and training. Lecture/discussion, interactive video.

4362 ADVANCED DRIVER EDUCATION Elective. Prepares high school teachers in driver education and training. Lecture/discussion, interactive video. Prerequisite: H ED 4361.

4365 FIELD EXPERIENCES IN HEALTH EDUCATION Elective. Students apply theory to practice in health education through field experiences.

4370 ADMINISTRATION OF HEALTH PROGRAMS This course will present the fundamental concepts of administration, management, and leadership in a variety of health promotion programs. Prerequisite: H ED 1320 or 2200.

4395 CONTEMPORARY HEALTH CONCERNS: WOMEN Elective. Focuses on preventive health practices unique to women and application of self-help skills 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. **[UD UCA Core: D]**

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. **[UD UCA Core: D]**

4398 HEALTH COACHING I Provides an extensive overview of theoretical knowledge and practical skills in preparation for a national certification exam in health coaching. Topics for this class will include, but not be limited to, (1) effective coach-to-client communication techniques; (2) behavioral, nutritional, and physiological sciences; (3) discussion of the DISC model of personality types; (4) determinants of obesity; (5) application of nutrition; and (6) legal and ethical responsibilities of health coaching. Prerequisites: H ED 1320, 3325.

4399 HEALTH COACHING II Provides practical skills in preparation for a national certification exam in health coaching. Topics for this course will include, but not be limited to, (1) client interviewing and screening, (2) body composition and assessment, (3) discussion of lifestyle and behavior modification techniques, (4) nutritional programming, (5) exercise program design, and (6) taking case studies from theory to practice. Prerequisites: H ED 1320, 3325, 4398.

4600 HEALTH EDUCATION INTERNSHIP Core course for BS in health education. Directed field experiences provided in community health agencies and medical related settings. Projects. **[UD UCA Core: Z]**

Health Sciences

URL: http://uca.edu/ubulletin/courses/health-sciences-hsc/

[1] Courses in Health Sciences (H SC)

1110 INTRODUCTION TO MEDICAL TERMINOLOGY Introduction to Medical Terminology utilizes a body systems approach and word parts in learning how to understand complex medical terminology. Root words (indicating parts of body involved), suffixes (indicating procedure, condition, disorder or disease involved), prefixes (indicating word parts that indicate location, time, number of status), pronunciation, proper spelling, abbreviations, singular and plural endings and look-alike, sound-alike terms are all addressed during the course.

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.

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

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.

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.

4400 GROSS ANATOMY Required for BS in health sciences, emphasis in occupational therapy. Structural aspects of the human body. Lecture and laboratory study of prosected cadaver specimens. Prerequisite: Consent of instructor.

4600 HEALTH SCIENCE INTERNSHIP Core course for BS in health sciences, emphasis in health services administration. Directed field experiences provided in community health agencies and medical related settings. Projects. **[UD UCA Core: Z]**

[2] Courses for the BS Program in Addiction Studies (H SC)

2310 ADDICTION COUNSELING: THEORY & PRACTICE Required. Techniques of individual and family counseling as applied to issues around addictions.

2320 ADDICTIONS: ASSESSMENT, INTERVENTION & TREATMENT PLANNING Required. Assessment of addiction disorders as found in the latest Diagnostic and Statistical Manual (DSM-IV-TR) of mental disorders. Intervention techniques and client treatment planning is included.

2330 ETIOLOGY & EPIDEMIOLOGY OF ADDICTION Required. Influence of psychological, physiological, and socio-cultural factors as they impact addiction will be examined.

3310 GROUP COUNSELING SKILLS Required. The course places special emphasis on counseling the addicted person in a group setting. Counseling models and multicultural issues are addressed. Prerequisite: H SC 2310.

3320 LEGAL AND ETHICAL ISSUES IN ADDICTION Required. Legal and ethical issues that confront the addictions professional are identified. Various ethical codes are explored. **[UD UCA Core: D]**

3330 FAMILY SYSTEMS AND ADDICTION Required. Addictions in relations to family systems are addressed. Special emphasis is given to imbalances in family systems and adult children of alcoholics.

4314 MULTICULTURAL COUNSELING AND ADDICTION Study of multicultural issues to include integration, discrimination, prejudice, privilege, the dominant culture, the social dynamics of conflict, and assimilation. Includes a focus on the application of these issues to addiction counseling.

4610 PRACTICUM IN SUBSTANCE ABUSE (300 HOURS) Required. The Practicum experience provides a hands on experience with clients with addictive behaviors. The course is directed by faculty and a supervisor in a placement setting. **[UD UCA Core: Z]**

College of Health and Behavioral Sciences Travel Courses

URL: http://uca.edu/ubulletin/courses/college-of-health-and-behavioral-sciences-travel-courses-hbst/

[1] CHBS Travel Courses (HBST)

1377 STUDY ABROAD SEMINAR: DIVERSITY IN WORLD CULTURES Because Health and Behavioral Science had roots across the world, many topics in the college can benefit from being taught in a foreign country. Examples of topics and locations include the perceptual psychology of linear perspective in Florence, Italy, aspects of interior design in European architecture, and health care policies in China, among others. This course meets the lower-division Core requirements for diversity in world cultures.

History

URL: http://uca.edu/ubulletin/courses/history-hist/

[1] Courses in History (HIST)

1310 FROM MUMMIES TO MONGOLS: WORLD HISTORY FROM ANCIENT TIMES TO THE EARLY MODERN PERIOD Satisfies UCA Core, Diversity-Social Science requirement. Required for BA/BS history majors and minors and BSE-Social Studies (history emphasis). Students examine major contributions to the advancement of global civilizations from ancient times to the early modern period (circa 1600). Lecture, discussion, analysis of documents, writing. **[ACTS: HIST1113]**

1320 FROM GALILEO TO GANDHI: WORLD HISTORY FROM THE EARLY MODERN PERIOD TO THE PRESENT Satisfies UCA Core, Diversity-Social Science requirement. Required for BA/BS history majors and minors and BSE-Social Studies (history emphasis). Students

examine development of modern industrial and urban society from the seventeenth century to the present. Lectures, discussion, analysis of documents, writing. **[ACTS: HIST1123]**

1375 FYS: DIVERSITY IN WORLD CULTURES The FYS in Diversity in World Cultures provides students with a small-classroom environment designed to promote community, develop skills necessary for success, and reinforce the importance of written communication. Topics will vary depending on instructor.

1376 FYS: HISTORICAL PERSPECTIVES ON RESPONSIBLE LIVING This course will address how our knowledge of the past can help us understand and address contemporary problems. This course takes place in a small classroom environment and is designed to promote community, develop skills necessary for success, and reinforce the importance of written communication. Topics will vary depending on instructor.

1399 A HISTORY OF TODAY: THE WORLD SINCE 1945 This introduction to the contemporary world examines several of the most important themes in post-World War II history, including the Cold War, decolonization, conflict in the Middle East, and recent changes in the global economy. Students will examine a combination of primary and secondary sources, with a particular emphasis on the ways in which recent events shape individual and national identities in our world today. The course satisfies the lower-division UCA Core Diversity in World Cultures requirement.

2301 THE MAKING OF AMERICA: US HISTORY TO 1877 (formerly AMERICAN NATION I) Required for the BA/BS major, history minor, and BSE-Social Studies (history emphasis) major. Satisfies UCA Core American history and government requirement. Provides an understanding of the development of the American people beginning with the age of exploration and culminating with the Civil War/Reconstruction period. Lecture and discussion, critical analysis of documents, and writing. **[ACTS: HIST2113]**

2302 AMERICA IN THE MODERN ERA: US HISTORY SINCE 1877 (formerly AMERICAN NATION II) Required for the BA/BS major, history minor, and BSE-Social Studies (history emphasis) major. Satisfies UCA Core American history and government requirement. This course provides an understanding of the development of the United States since the Civil War/Reconstruction period. Lecture and discussion, emphasizing reading, critical analysis of documents, and writing. **[ACTS: HIST2123]**

2304 INSTRUCTIONAL STRATEGIES FOR K-6 SOCIAL STUDIES This course focuses on the development and implementation of social studies strategies and materials using developmentally appropriate techniques that are professionally compatible with current research and practice. The diverse needs of the child and the integration of the curriculum are stressed in the implementation of teaching materials and strategies. Prerequisite: Course restricted to pre-kindergarten and elementary majors only.

2310 INTRODUCTION TO ASIAN HISTORY This course satisfies the UCA Core requirement in Diversity in World Cultures requirement; it is required in the Asian Studies minor and serves as an elective in the History major/minor. This mixed lecture and discussion course provides a chronological overview of the histories of South and East Asia with a particular focus on the intellectual, cultural, and economic exchanges between regions. Drawing on primary and secondary sources, the course introduces students to the craft of Asian history as well as some of the most important themes, questions, and controversies in this increasingly important region.

2320 INTRODUCTION TO HISTORICAL RESEARCH Required for BA/BS history majors and BSE-Social Studies (history emphasis) majors. A hands-on course emphasizing the basic skills necessary for historical research, critical analysis of historical texts, and historical writing and discussion. Lecture, discussion and participation in classroom assignments. Introduction to Historical Research (concurrent enrollment or completion of 2320 (Introduction to Historical Research) will be prerequisite for any history major to enroll in any 4000 level class that counts toward a major).

2360 FROM STONEHENGE TO POPISH PLOTS: A HISTORY OF ENGLAND TO 1688 Examines major themes in England's history from the pre-Roman era to the Glorious Revolution of 1688. Particular emphasis will be placed on political, social, religious, and cultural issues.

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. **[UD UCA Core: D]**

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. **[UD UCA Core: D]**

3310 SOCIAL SCIENCE CONCEPTS IN ARKANSAS HISTORY A professional education requirement for elementary and early childhood majors, this course introduces students to concepts of social science in relationship to selected content of Arkansas History. Lectures, discussions, and applied activities will be central to this course. The course may not be counted toward the History major or minor. A minimum 2.3 cumulative GPA is required to enroll in this course.

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.

3320 HISTORY OF CHRISTIANITY I Upper-division elective. Religious studies major and minor. 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. **[UD UCA Core: R]**

3321 HISTORY OF CHRISTIANITY II Upper-division elective. Religious studies major and minor. Students examine the major themes and developments in Christianity from the Reformation to present times. Lectures, discussion, analysis of documents, writing. **[UD UCA Core: R]**

3340 INTRODUCTION TO AMERICAN INDIAN HISTORY, 1500-PRESENT Upper-division elective. This course seeks to promote an understanding of the role played by the indigenous peoples of North America in the historical evolution of the United States. Topics will include: initial migrations and cultural development; impact of European contact and conquest; assimilation, acculturation, and adaptation; removal, resistance, and reservation life; and 20th century adjustments. **[UD UCA Core: I]**

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.

3353 AFRICAN-AMERICAN HISTORY BEFORE 1868 Upper-division elective. Minor in Southern and Arkansas studies. Major and minor in African and African American studies. Provides an understanding of American history from the perspective of the African-American experience. Colonial period to the ratification of the Fourteenth Amendment. Lecture, discussion, writing. **[UD UCA Core: I]**

3354 AFRICAN-AMERICAN HISTORY, 1868 TO PRESENT Upper-division elective. Minor in Southern and Arkansas studies. Major and minor in African and African American studies. Provides an understanding of American history from the perspective of the African-American experience, from the ratification of the Fourteenth Amendment to the protest movements of the modern era. Lecture, discussion, writing. **[UD UCA Core: I]**

3360 PRE-COLONIAL AFRICAN HISTORY This course will explore the history of Africa from the earliest times to the late nineteenth century when the continent came under the European colonial control. Lecture, discussion, document analysis, writing. **[UD UCA Core: D]**

3365 MODERN AFRICAN HISTORY The course will explore the history of Africa in the colonial and postcolonial period. It will focus on European imperial conquest of Africa, the African reaction to European colonialism, the impact and legacies of colonial rule and the transformations that have taken place in the postcolonial era. Lecture, discussion, document analysis, writing. **[UD UCA Core: D]**

3381 AMERICAN MILITARY HISTORY Upper-division elective. This course surveys the history of the American military establishment. Emphasis on military policy, the principles of war, and the interrelationship among military affairs, technology, and the general pattern of societal development. **[UD UCA Core: I]**

3385 WORLD MILITARY HISTORY: A SURVEY OF GLOBAL CONFLICT PATTERNS Upper-division elective. This course offers an overview of patterns of conflict across the globe. There will be a broad survey of the changing nature of warfare over the course of millennia and across continents. The tactical, technological, political, and cultural effects of military developments will be reviewed in closer analysis as well. Prerequisite: HIST 2320; the prerequisite is waived for non-majors. **[UD UCA Core: D]**

4V91 INDEPENDENT STUDY IN HISTORY (Variable credit: 1-3 credit hours.) Upper-division elective. This course allows students to engage in reading and research under the guidance of a faculty member. This course can be repeated for credit and may be counted as either United States or world history, depending on the subject of study. Prerequisite: Consent of instructor and department chair.

4300 SEMINAR Required for history BA/BS history majors and BSE-Social Studies (history emphasis) majors. Emphasis on studying and practicing historical research and writing. Students research and write a major paper on a topic of their choice. Discussion, research and writing assignments, oral presentations, analysis of documents and sources. A grade of C or above is required in this course to graduate in the major. Prerequisite: 21 hours in history. **[UD UCA Core: Z]**

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. **[UD UCA Core: C, R]**

4302 HISTORY OF WITCHCRAFT Upper-division elective. This upper division course explores the history of witchcraft in Europe and the British colonies culminating in an in-depth examination of the Salem witch trials. We will pay particular attention to magical knowledge and the social, cultural, religious, and political causes of witchcraft accusations. We will also discuss the profile and stereotype of the witch as well as what circumstances might make people usually safe from accusations equally susceptible. Counts as either US History or World History. **[UD UCA Core: I, C]**

4304 MATERIAL CULTURE: FINDING HISTORY IN EVERYDAY THINGS Upper-division elective. Students explore the ways artifacts can lead us to an in-depth understanding of the past through different methodological approaches. The course will culminate with a student-created virtual exhibit to showcase the learned techniques. **[UD UCA Core: I]**

4305 THE UNITED STATES AND THE MIDDLE EAST, 1776 TO THE PRESENT Upper-division elective. An overview of the evolution of the relationship between the United States and the Middle East from American independence to the present day.**[UD UCA Core: I]**

4306 ATLANTIC SLAVE TRADE Upper-division elective. This course covers the history of the trans-Atlantic slave trade from the early 16th to the late 19th century. Students examine why Europeans bought slaves, why Africans sold slaves, how slaves coped, resisted, and adapted, and how the Atlantic slave trade came to an end. Lecture, discussion, document analysis, writing. Counts as either US History or World History. **[UD UCA Core: D]**

4308 GENDER IN AMERICAN HISTORY Upper-division elective. Examines the history of gender in American history from the colonial period to the present. Emphasis on class, race, and ethnic differences. Lecture, discussion, analysis of documents, participatory classroom activities, writing. **[UD UCA Core: I, C]**

4310 TEACHING SOCIAL STUDIES Required for BSE-Social Studies (history emphasis) An examination of the problems of teaching history and the related social studies in middle and secondary schools focusing on the curriculum and the methods and techniques used by successful teachers in both history and related social studies. Lectures, discussion, analysis of documents, writing, participatory classroom activities.

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. **[UD UCA Core: I, C]**

4313 DEPARTMENTAL HONORS THESIS RESEARCH Upper-division elective. Directed readings in 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.

4314 DEPARTMENTAL HONORS THESIS WRITING Upper-division elective. Guided writing of honors thesis to be completed during the student's senior year. Discussions with instructor, and

writing. Prerequisite: HIST 4313, consent of instructor, and department chair. Successful completion of HIST 4314 can be substituted for HIST 4300. **[UD UCA Core: Z]**

4322 EARLY NATIONAL HISTORY, 1783-1848 Upper-division elective. The course covers the social and political development of the United States from its origins in 1787 to 1848. The class focuses on the debate over the Constitution, political and philosophical differences among Americans in the early republic, the market revolution, social change and reform of the antebellum period, the political controversies of the 1790s and and the 1830s, westward expansion, sectional tensions and the differences in the social and economic development of different regions of the United States. Lecture, discussion, analysis of documents, participatory classroom activities, research, and writing. **[UD UCA Core: I]**

4324 TOPICS IN AMERICAN HISTORY Upper-division elective. Students study special topics in American history to be determined by instructor and the needs of students who enroll. This course can be repeated for up to six hours of credit with a change of topic. Lectures, discussion, analysis of documents, writing. **[UD UCA Core: I]**

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. **[UD UCA Core: I]**

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. **[UD UCA Core: D]**

4330 THE CIVIL WAR AND RECONSTRUCTION, 1848-1877 Upper-division elective. The course covers the sectional crisis of the 1850s, the establishment of the Confederate States, social and political developments in the Union and Confederacy during the war, emancipation, military policy and strategy, and reconstruction. Lecture, discussion, analysis of documents, participatory classroom activities, research, and writing. **[UD UCA Core: I]**

4333 UNITED STATES IMMIGRATION AND ETHNIC HISTORY FROM COLONIAL TIMES TO PRESENT Upper-division elective. This course examines immigration to the United States from the colonial period to the present. It considers social, cultural, political, and economic themes to analyze immigrant experiences and explain native-born attitudes toward newcomers. Lecture, discussion, document analysis, writing. **[UD UCA Core: I, C]**

4334 TOPICS IN EUROPEAN HISTORY Upper-division elective. Students study special topics in European history to be determined by instructor and the needs of students who enroll. This course can be repeated for up to six hours of credit with a change of topic. Lectures, discussion, analysis of documents, writing.

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. **[UD UCA Core: I, C]**

4336 WORK, WEALTH, AND POWER IN UNITED STATES HISTORY Upper-division elective. This course explores the social and cultural history of the American working classes. Topics include the rise of industrialization and wage labor, slavery, the labor movement and labor

relations, war, deindustrialization, and globalization. While the emphasis will be exploring the beliefs and experiences of American workers, the course will also pay attention to the historical development of capitalism in the United States and will examine the relationships of power between Americans of different economic positions. **[UD UCA Core: I]**

4338 AMERICAN HISTORY THROUGH FILM Upper-division elective. Examination of how the history of film and the film industry in America relates to broader political, economic, cultural, and social trends. **[UD UCA Core: I]**

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. **[UD UCA Core: I]**

4343 HISTORY OF MEXICO Upper division elective. A history of the world's most populous Spanish-speaking country, focusing mostly on the events and figures after 1800. Topics include the War of Independence, the role of the peasantry and organized labor, Mexican Catholicism and Church-State Relations, the Mexican Revolution, relations with the U.S. and the world, emigration and immigration, and NAFTA. **[UD UCA Core: D]**

4344 TOPICS IN WORLD HISTORY Upper-division elective. Students study special topics in World history to be determined by instructor and the needs of students who enroll. This course can be repeated for up to six hours of credit with a change of topic. Lectures, discussion, analysis of documents, writing. **[UD UCA Core: D]**

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. **[UD UCA Core: I, C]**

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. **[UD UCA Core: I]**

4347 IDEAS AND SOCIETY IN 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.

4350 AMERICA 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. **[UD UCA Core: I]**

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.

4355 THE ROLE OF ARKANSAS IN THE NATION Required for BSE in Social Studies; upper-division elective. Students examine United States history as reflected in the history of Arkansas.

Emphasis on the ways Arkansas reflects or departs from national trends. Lecture, discussion, analysis of documents, participatory classroom activities, writing. **[UD UCA Core: I]**

4358 RECENT AMERICAN HISTORY Upper-division elective. The political, social, cultural, diplomatic, and economic history of the United States from 1960 to the present. **[UD UCA Core: I]**

4359 CIVIL RIGHTS MOVEMENT HISTORY Upper-division elective. A study of the "long" Civil Rights Movement from 1919 to the 1980's. Begins with the economic, historical, and legal origins of segregation. Traces the rise of civil rights activism as well as the broad range of civil rights issues and activist strategies. Examines the impact of the movement on domestic politics, culture, and foreign policy. **[UD UCA Core: I, C]**

4360 THE MEDITERRANEAN WORLD IN LATE ANTIQUITY, 300-900 AD Upper-division elective. Students examine the political, social, economic, religious, and intellectual development of the Mediterranean World from the establishment of Christianity as an officially sanctioned religion to the dawn of the feudal age. Lectures, discussion, analysis of documents, writing.

4361 THE MEDITERRANEAN WORLD IN THE MEDIEVAL PERIOD, 900-1400 AD Upper-division elective. Students examine the political, social, economic, religious, and intellectual development of the Mediterranean World during the High Middle Ages. Lectures, discussion, analysis of documents, writing.

4362 TUDOR AND STUART ENGLAND 1485-1690 Upper-division elective. A survey of the political, religious, social, and economic history of England and the British Isles during the sixteenth and seventeenth centuries.

4365 THE HISTORY OF IMPERIALISM: A REVIEW OF WORLD COLONIAL SYSTEMS Upper-division elective. This elective course is a review of world imperialism from the early modern era through the nineteenth and twentieth centuries. The course will consider political, economic, social, class, gender, geographical, and ethnological themes and addresses the perspective of the West and other cultures (particularly in Africa and Asia). **[UD UCA Core: D]**

4369 VICTORIAN BRITAIN Upper-division elective. A historical survey of the primary elements constituting British society from the end of the Napoleonic period through the First World War.

4370 EUROPE, 1815-1914 Upper-division elective. Students examine Europe's political and cultural development from the Vienna Congress to the eve of World War I. Lectures, discussion, analysis of documents, writing.

4372 PAN-AFRICANISM, ANTI-COLONIALISM, AND AFRICAN UNITY Upper-division elective. Major and minor in African and African American studies. The course will interrogate the historical origins and development of the pan-African ideology and its impact on the anti-colonial movement in Africa and the subsequent efforts for political and economic integration in the continent. The emphasis will be on critical investigation of historical evidence. The course will involve a combination of lectures, discussion, document analysis, and writing.

4374 THE EUROPEAN RENAISSANCE AND REFORMATION Upper-division elective. Students explore the major themes, subjects, and personalities of the early modern age in Europe. Lectures, discussion, analysis of documents, writing.

4376 EUROPE, 1914-1939 Upper-division elective. Students examine the background and history of World War I; peacemaking and international organization; the rise of fascism, national socialism , and Japanese imperialism; collapse of peace. Lectures, discussion, analysis of documents, writing.

4377 EUROPE IN A GLOBAL ERA Upper-division elective. World War II, the Cold War, development of the European Union, collapse of the Soviet Union and other recent events. Lectures, discussion, analysis of documents, writing.

4381 MODERN CHINA Upper-division elective. Asian studies minor. Students explore Chinese history in the nineteenth and twentieth centuries. Lectures, discussion, analysis of documents, writing. **[UD UCA Core: D]**

4383 MODERN JAPAN Upper-division elective. Asian studies minor. Students explore the history of Japan since 1800, including such topics as the overthrow of feudalism, the Meiji Restoration, the struggle for representative government, imperialism, ultranationalism, militarism, and the "economic miracle." Lectures, discussion, analysis of documents, writing. **[UD UCA Core: D]**

4385 FRENCH REVOLUTION AND NAPOLEON Upper-division elective. Students examine the causes of the revolution and its impact on France and Europe with emphasis on social, political, and economic changes through revolution and the reforms of Napoleon. Lectures, discussion, analysis of documents, writing.

4386 THE WAR IN THE PACIFIC, 1931-1945 Upper-division elective. Students critically evaluate Japanese-American relations, covering such topics as Asian nationalism, Western imperialism, and Japanese expansion. Lecture, discussion, analysis of documents, writing. Counts as US History or World History. **[UD UCA Core: D]**

4390 ROMAN CIVILIZATION Upper division elective. This course traces the development of the Roman World from its inception to the last days of the Tetrarchy and the eventual splintering of Roman Territory.

4392 INTERNSHIP IN PUBLIC HISTORY A directed field experience at the Old State House Museum, Faulkner County Museum, Clinton Presidential Library, or other approved site. 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. Prerequisite: Consent of instructor and department chair.

4394 GERMANY SINCE 1918 Upper-division elective. Students examine German history since World War I, including the Weimar Republic, Third Reich, World War II, and the division and reunification of postwar Germany. Lectures, discussion, analysis of documents, writing.

4397 HISTORY OF IRELAND, 1500-PRESENT Upper-division elective. Examines major themes in Irish history from the Tudor conquest of Ireland, and the ensuring Ulster plantation in the early 17th century, to the modern Troubles in Northern Ireland.

4398 THE POLITICS OF SEX AND SEXUALITY IN MODERN EAST ASIA Upper-division elective. This discussion-focused seminar course examines the role that sex and sexuality have played in the intersection of state power and individual experience in East Asia, from the eighteenth century to the present. Students will examine a combination of primary and secondary sources, with a special emphasis on how historians have used gender theory and queer theory to understand Chinese and Japanese political development. **[UD UCA Core: C, D]**

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.

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.

Schedler Honors College Courses

URL: http://uca.edu/ubulletin/courses/honors-college-honc/

[1] Courses in the Honors Program (HONC) – Honors Core

1310 HONORS CORE I The Search for Self. A reflexive study of a variety of views on the nature of human beings drawn from differing disciplines and historical periods. Team taught. Emphasis on writing skills and insightful thinking. By consent only. [Honors Core I fulfills UCA Core LD requirements for Writing Foundations (C) or a Critical Inquiry (I) Humanities elective.]

1320 HONORS CORE II The Search for Community. A reflexive study of a variety of views on the nature and problems of society drawn from various disciplines. Team taught. Emphasis on writing skills and insightful thinking. By consent only. [Honors Core II fulfills UCA Core LD requirements for Research and Writing (C) or a Responsible Living (R) Social Sciences elective.]

2310 HONORS CORE III The Diversity of the Search. An interdisciplinary study of a non-Western culture through a critical study of its art, economics, history, geography, religion, or a study of race and ethnicity, gender, sexual orientation, socioeconomic status or cultural pluralism in some form. Emphasis on research skills. By consent only. [Honors Core III fulfills UCA LD Core requirements as a Diversity in World Cultures (D) or Responsible Living (R) Humanities elective.]

2320 HONORS CORE IV The Art of the Search. An interdisciplinary study of the arts, including aesthetic theories, art, music, or theater studies, media, film, or human affairs. Emphasis on seminar skills. By consent only. [Honors Core IV fulfills UCA LD Core requirements as a Diversity in Creative Works (D) Fine Arts elective.]

3V15 SPECIAL TOPICS (Variable credit: 1-3 credit hours.) Readings and discussions in specific areas of study that are of particular interest to the student. Consent of the Schedler Honors College Dean.

[2] Courses in the Honors Program (HONC) – Minor in Honors Interdisciplinary Studies

3310 HONORS SEMINAR An in-depth study of a selected topic. Should be repeated for a total of six hours of credit. Emphasis on the presentation of seminar papers. Consent of Schedler Honors College Dean.

3320 HONORS OXFORD TUTORIAL A tutorial course for Honors College scholars. A reading list chosen by the student and his or her tutor provides the foundation for a thesis to be written by the

Honors candidate. Extensive oral presentations required. Consent of Schedler Honors College Dean. **[UD UCA Core: C, I]**

4310 HONORS SENIOR 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 Schedler Honors College Dean. **[UD UCA Core: D, R]**

4320 HONORS CAPSTONE Work on Thesis Project. The completed project requires an oral presentation and is evaluated by two faculty members and the dean or his designee. Consent of the Schedler Honors College Dean. **[UD UCA Core: Z]**

Interior Design

URL: http://uca.edu/ubulletin/courses/interior-design-idsn/

[1] Courses in Interior Design (IDSN)

1390 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.

2110 INTERIOR DESIGN PRACTICUM An elective practicum experience for interior design majors. May be repeated for credit with a change in placement. Prerequisite: Permission of the instructor.

2330 DIGITAL DESIGN This course is an introduction to multiple types of software used within the design industries. Two-dimensional and three-dimensional software will be introduced, along with other types of multimedia and digital presentation programs.

2365 INTRODUCTION TO CAD DRAFTING A required course for interior design majors. AutoCAD commands are introduced through interior design and space planning exercises.

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: IDSN 1390 with grade of C or better or consent of instructor.

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: IDSN 2391 with grade of C or better.

3300 PRINCIPLES OF ARCHITECTURE AND BUILDING SYSTEMS A required course for interior design and general FACS majors. The course includes a study of building systems and construction standards, analysis of environmental and economic resources, and construction documents related to architecture. Lecture/discussion.

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: IDSN 2391 with grade of C or better.

3310 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: IDSN 2391 with grade of C or better.

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: IDSN 3310 with a grade of C or better.

3320 ADVANCED TECHNOLOGY FOR INTERIOR ARCHITECTURE A required course for interior design majors. Advanced techniques in two and three dimensional design technology integration for visual communication. Prerequisite: IDSN 3365 with a grade of C or better.

3325 COMMERCIAL INTERIOR DESIGN I A required course for the interior design major. The course includes studies of the needs and specific concerns of commercial interiors. Emphasis on universal design, diverse populations, sustainable resources and building systems. Application of knowledge through design problems, research, and specifications. Prerequisite: IDSN 3315 with a grade of C or better.

3326 COMMERCIAL INTERIOR DESIGN II A required course for the interior design major. Continued exploration of varied commercial spaces and the impact of code regulations upon design development. Study of needs and specific concerns of commercial interiors. Emphasis on universal design, diverse populations, building systems, and sustainable resources. Application of knowledge through design problems and specifications. Prerequisite: IDSN 3325 with a grade of C or better.

3340 HISTORY OF INTERIORS, ARCHITECTURE, AND FURNITURE I A required course for interior design majors. The course includes a comparative analysis of interiors, architecture and furnishings as related to the development of Western civilization (Ancient-Renaissance). Lecture. Prerequisite: IDSN 1390 with grade of C or better. **[UD UCA Core: D, C]**

3341 HISTORY OF INTERIORS, ARCHITECTURE, AND FURNITURE II A required course for interior design majors. The course includes a comparative study of the modern movement including interiors, architecture, furnishings, and designers (Early Modern World-present). Lecture. Prerequisite: IDSN 1390 with grade of C or better. **[UD UCA Core: D, C]**

3350 FUNDAMENTALS OF KITCHEN AND BATH DESIGNS A required course for the interior design major. This course includes a study of the aesthetic and technical elements of kitchen and bath design. Lecture/discussion. Prerequisite: IDSN 3310 with a grade of C or better.

3355 INTRODUCTION TO HISTORIC PRESERVATION A required course for the interior design major. This course includes a study of historic preservation as it relates to law, architecture, interiors, public history, and social responsibilities. Lecture/discussion. **[UD UCA Core: I, R]**

4300 PROFESSIONAL PRACTICE FOR INTERIOR DESIGN 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. Lecture. Prerequisite: IDSN 3325 with a grade of C or better.

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: IDSN 3325 with grade of C or better. **[UD UCA Core: Z]**

4330 WORKSHOP An elective course for interior design majors. Workshops are planned and conducted to cover varying areas of interests and needs. Prerequisite: Senior standing.

4350 INTERNSHIP A required course for the interior design major. The course is an internship experience in interior design under professional and educational supervision. Prerequisite: Senior standing and consent of internship director.

4605 RENAISSANCE STUDIES FOR BUILDING AND VISUAL ARTS An interdisciplinary program including the economics, psychology, and historical design influences in the building and visual arts of the early modern movement.

Intensive English Program Courses

URL: http://uca.edu/ubulletin/courses/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.

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.

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.

0340 WRITING Focuses on development of simple sentence, paragraph, multi-paragraph and multi-page themes, reports, and research papers. Emphasizes vocabulary, complex sentence patterns, transitions, and organizational patterns. Introduces journal writing, letter writing, and outlining. Meets 5 hours per week. Three levels. Prerequisite: Admission to IEP.

1105 EVERYDAY VOCABULARY BUILDING A one-credit IEP elective focusing on development of basis vocabulary through study of words in various categories – everyday language, people, housing, food, clothing, health, community, transportation, areas of study, plants and animals, work, and recreation. Introduces common idioms and expressions and introduces students to basic dictionary use. Available to students in Levels 1 and 2.

1110 U.S. CULTURE & HIGHER EDUCATION A one-credit IEP elective that aims to help international students adjust to U.S. culture and university life. Available to students in Level 3 and 4.

1115 PRONUNCIATION 1 A one-credit IEP elective at the beginning to high-beginning levels that focuses on the recognition and pronunciation of English sounds. In addition to work on

differentiating between similar and/or confusing sounds, students will have an opportunity to practice individual vowel and consonant sounds. Guidance on procedures and techniques will also be introduced on basic word stress, rhythm, and basic intonation.

1116 PRONUNCIATION 2 A one-credit elective at the intermediate level that focuses on the recognition and pronunciation on the sound system of English. In addition to work on differentiating between similar and/or confusing sounds, students will have an opportunity to focus on personal difficult areas that interfere with the comprehension of the student's speech. Guidance will be provided on techniques to improve word stress, rhythm, articulation, pausing, and linking.

1117 PRONUNCIATION 3 A one-credit IEP elective at the high-intermediate level that focuses on the pronunciation of the English sound system. Students will have an opportunity to work on the vocal effects that extend over more than one sound segment in an utterance, such as pitch, stress, or juncture pattern. Guidance on procedures and techniques will also be provided in areas such as consonant clusters, word and sentence stress, intonation and articulation.

1120 LEVEL 1 ACADEMIC VOCABULARY An IEP course at the beginning level, this course allows students to begin building academic vocabulary skills. Students begin developing vocabulary from the General Service List and are introduced to the Academic Word List.

1121 LEVEL 2 ACADEMIC VOCABULARY An IEP course at the high-beginning/low-intermediate level, this course continues building academic vocabulary skills. Students continue developing vocabulary from the General Service List and begin to focus on the Academic Word List.

1122 LEVEL 3 ACADEMIC VOCABULARY An IEP course at the intermediate level, this course continues building vocabulary skills. Students will continue developing vocabulary from the Academic Word List and the General Service List.

1123 LEVEL 4 ACADEMIC VOCABULARY An IEP course at the high-intermediate level, this course continues to build academic vocabulary knowledge. Students will continue developing vocabulary from the Academic Word List and demonstrate mastery of the General Service List.

1124 LEVEL 5 ACADEMIC VOCABULARY An IEP course at the advanced level, this course fine-tunes academic vocabulary skills in preparation for entering the university. Students will learn several strategies for increasing vocabulary, and they will continue developing vocabulary from the Academic Word List.

1125 COMPUTER LITERACY & RESEARCH SKILLS A one-credit IEP elective introducing computer and research skills needed for study in a U.S. university. Includes using email and Internet, keyboarding, word processing, doing research on the Internet, using computer graphics, using the library's online catalog and the Library of Congress system to locate books and periodicals, finding information in periodicals and on microforms, using reference and reserve materials in the library, and using classroom management software such as WebCT. Available to students in Levels 3 and 4.

1160 COMPUTER LITERACY AND RESEARCH SKILLS ELECTIVE A one-credit IEP elective introducing computer and research skills needed for study in a U.S. university. Includes using email and Internet, keyboarding, word processing, doing research on the Internet, using computer graphics, using the library's online catalog and the Library of Congress system to locate books and periodicals, finding information in periodicals and on microfilms, using reference and reserve materials in the library, and using classroom management software such as WebCT. Available to students in Levels 3 and 4.

1170 PUBLIC SPEAKING FOR NON-NATIVE ENGLISH SPEAKERS An IEP course at the high-intermediate to advanced level designed to provide international students with the knowledge and strategies in giving presentations in English to American audiences. Students will focus on the organization of a speech, develop understanding of how voice and body language are used in delivery, and gain skills in creating effective visual aids. Prerequisite: IEP 1123 with a grade or B or higher or placement into IEP Level 5.

1201 BASIC ENGLISH READING SKILLS A core IEP course at the low-beginning level, this course allows students to start building basic vocabulary and reading skills in preparation for taking IEP classes. Students begin developing vocabulary from the General Service List and focus on moving from reading short paragraphs to simple passages. Reading skills will focus on content comprehension and recognition of main ideas.

1202 BASIC ENGLISH WRITTEN EXPRESSION AND GRAMMAR A core IEP course at the low-beginning level, this course introduces students to the basic structures of English grammar and focuses on basic written expressions of English from the alphabet to simple sentence structure.

1205 LEVEL 1 ACADEMIC LISTENING AND SPEAKING A core IEP course at the beginning level, this course focuses on introducing communication and listening comprehension skills to non-native speakers of English. Class discussion, brief oral presentations, conversation techniques and strategies, and introductory note-taking skills are practiced and developed.

1206 LEVEL 2 ACADEMIC LISTENING AND SPEAKING A core IEP course at the high-beginning/low-intermediate level, this course focuses on communication and listening comprehension skills for non-native speakers of English at this level. Classroom discussion, brief oral presentations, conversation techniques and strategies, and note-taking skills are practiced and developed.

1207 LEVEL 3 ACADEMIC LISTENING AND SPEAKING A core IEP course at the intermediate level, this course focuses on communication and listening comprehension skills necessary for non-native speakers of English at this level. Class discussion, oral presentations, conversation techniques and strategies, and note-taking skills are practiced and developed.

1208 LEVEL 4 ACADEMIC LISTENING AND SPEAKING A core IEP course at the high-intermediate level, this course centers on the English proficiency that is needed in listening and speaking at this level. Development of skills needed for listening to lectures and for note-taking is a focus of the course as well as strategies required in class and small-group discussion. The course also puts emphasis on the planning, organization and techniques used in putting together and delivering oral presentations.

1209 LEVEL 5 ACADEMIC LISTENING AND SPEAKING A core IEP course at the advanced level, this course focuses on the proficiency needed in listening and speaking for the academic setting at the college level. Students develop note-taking techniques and strengthen critical thinking skills that include reconstructing and summarizing main ideas as well as transferring knowledge from lectures to other areas. Additionally, the course emphasizes oral communication skills through an understanding of strategies and knowledge of effective discourse as well as provides direction for students to plan, organize and deliver effective presentations.

1215 LEVEL 1 ACADEMIC READING A core IEP course at the beginning level, this course allows students to begin building academic reading skills. Reading skills addressed include content comprehension, recognition of main ideas, skimming and scanning.

1216 LEVEL 2 ACADEMIC READING A core IEP course at the high-beginning/low-intermediate level, this course continues building academic reading skills. Reading skills addressed include content comprehension, distinguishing between main ideas and specific details, skimming and scanning, previewing, predicting, summarizing, and paraphrasing.

1217 LEVEL 3 ACADEMIC READING A core IEP course at the intermediate level, this course continues building academic reading skills. Reading skills addressed include content comprehension, distinguishing between main ideas and specific details, skimming and scanning, previewing, predicting, summarizing, paraphrasing, and drawing inferences. Students will learn several strategies for more fluent reading and improved test-taking.

1218 LEVEL 4 ACADEMIC READING A core IEP course at the high-intermediate level, this course centers on the English proficiency that is needed in listening and speaking at this level. Development of skills needed for listening to lectures and for note-taking is a focus of the course as well as strategies required in class and small-group discussion. The course also puts emphasis on the planning, organization and techniques used in putting together and delivering oral presentations.

1219 LEVEL 5 ACADEMIC READING A core IEP course at the advanced level, this course fine-tunes academic reading skills in preparation for entering the university. Reading skills addressed include content comprehension, distinguishing between main ideas and specific details, skimming and scanning, previewing, predicting, summarizing, paraphrasing, drawing inferences, and identifying authors' point of view. Students will learn several strategies for reading more fluently and improving test-taking skills.

1225 LEVEL 1 ACADEMIC WRITING A core IEP course at the beginning level, this course introduces students to writing skills at the sentence and paragraph level.

1226 LEVEL 2 ACADEMIC WRITING A core IEP course at the high-beginning/low-intermediate level, this course focuses on writing clear sentences and paragraphs. In addition, students begin learning the basics of revising written work for content and editing for grammatical accuracy.

1227 LEVEL 3 ACADEMIC WRITING A core IEP course at the intermediate level, this course focuses on writing well-developed paragraphs with support. In addition, students will practice revising written work for content and editing for grammatical accuracy.

1228 LEVEL 4 ACADEMIC WRITING A core IEP course at the high-intermediate level, this course focuses on expanding students' writing skills. Students will continue to develop their use of the process method of writing to complete paragraphs and short essays in a variety of different organizational patterns.

1229 LEVEL 5 ACADEMIC WRITING A core IEP course at the advanced level, this course is designed to refine students' writing skills for the various tasks required at the university, including writing paragraphs, summaries, and essays. Students will plan and write essays, revise for improved content, and edit for grammatical correctness.

1235 LEVEL 1 ACADEMIC GRAMMAR A core IEP course at the beginning level, this course introduces students to the basic structures of English grammar focusing on basic verb tenses in English from simple present time through past time.

1236 LEVEL 2 ACADEMIC GRAMMAR A core IEP course at the high-beginning/low-intermediate level, this course continues to focus on basic English grammatical structures needed to communicate in oral and written forms focusing on verb tenses through future time.

1237 LEVEL 3 ACADEMIC GRAMMAR A core IEP course at the intermediate level, this course focuses on English grammatical structures needed to communicate in oral and written forms at this level.

1238 LEVEL 4 ACADEMIC GRAMMAR A core IEP course at the high-intermediate level, this course is designed to refine students' grammar skills. The focus of the grammar study will be on using the structures necessary for clear communication in both oral and written work at this level.

1239 LEVEL 5 ACADEMIC GRAMMAR A core IEP course at the advanced level, this course focuses on advanced English grammatical structures needed to speak, write, and read at this level preparing the student to enter university classes.

1250 SPECIAL TOPICS IN ENGLISH AS A SECOND LANGUAGE Students study special topics in English as a Second Language as determined by the needs of the international student population not enrolled full-time in the Intensive English Program. This course can be repeated. It is taught on demand only.

1310 LEVEL 1 PRONUNCIATION, CONVERSATION, AND PUBLIC SPEAKING A core IEP course at the high beginning to low intermediate level. Focuses on basic communication in English, including the sound system of English, emphasizing production of discrete sounds and introducing rhythm, intonation, and stress. Students practice using practical English in everyday conversations and making short oral presentations. Prerequisite: Admission to IEP and placement in Level 1.

1325 LEVEL 2 PRONUNCIATION, CONVERSATION, AND PUBLIC SPEAKING A core IEP course at the high-intermediate level, focusing on the sound system of English as well as rhythm, stress, reduction, and intonation. Emphasizes academic communication through classroom discussions, formal oral presentations, and conversational techniques and strategies. Prerequisite: Admission to IEP and placement in Level 2.

1340 LEVEL 3 PRONUNCIATION, CONVERSATION, AND PUBLIC SPEAKING A core IEP course at the advanced level. Emphasizes academic communication through classroom discussions, debates, brief informal oral presentations, and longer presentations such as informative and persuasive speeches. Allows students to focus on individualized problems in pronunciation of American English and to work on accent reduction. Prerequisite: Admission to IEP and placement in Level 3.

1350 SPECIAL TOPICS IN ENGLISH AS A SECOND LANGUAGE Students study special topics in English as a Second Language as determined by the needs of the international student population not enrolled full-time in the Intensive English Program. This course can be repeated. It is taught on demand only.

1355 VOCABULARY BUILDING An IEP elective. Focuses on development of basic vocabulary through study of words in various categories: everyday language, people, housing, food, clothing,

health, community, transportation, areas of study, plants and animals, work, and recreation. Develops students' vocabulary through the study of root words and affixes. Introduces common idioms and expressions. Prerequisite: Placement in Level 1 or 2.

1360 U.S. CULTURAL STUDIES A three-credit IEP course for international students that focuses on American cultural values, customs, and traditions in the university setting and society. Includes work on speaking, reading, and writing. On demand only.

1365 TOEFL PREPARATION An IEP elective. Introduces students to the Test of English as a Foreign Language and provides practice with each section of the test: listening comprehension, structure and written expression, and reading comprehension. Practices various question types, test-taking strategies, and relaxation techniques to reduce test anxiety. Prerequisite: Placement in Level 2 or above, or consent of IEP coordinator.

1370 PATHWAY TO COLLEGE READING AND CRITICAL THINKING A bridge course to introduce non-native English speakers to the strategies necessary for college-level reading and critical thinking. International students who score below 78 on the Reading Comprehension portion of the Accuplacer test will be required to register for this course until they earn a course grade of "C" or higher. Prerequisite: Completion of IEP Level 5 courses or TOEFL score of 500 or higher.

1380 PATHWAY TO COLLEGE WRITING FOR NON-NATIVE ENGLISH SPEAKERS A bridge course to prepare non-native English speakers for the rigors of writing at the university level. International students who score below 83 on the Sentence Skills section of the Accuplacer placement test will be required to register for this course. Successful completion requires a course grade of "C" or higher. Prerequisite: Completion of IEP Level 5 courses or TOEFL score of 500 or higher.

1405 BASIC ENGLISH ORAL COMMUNICATION A core IEP course at the low-beginning level, this course focuses on the introduction of survival speaking skills, the development of basic listening comprehension, and the building of spoken vocabulary in order to prepare students to enter the first level of the Intensive English Program with the basic communication skills needed for campus and community interactions.

1620 LEVEL 1 ACADEMIC CLASSROOM SKILLS A core IEP course at the high beginning to low intermediate level, focusing on skills needed for university study: reading, listening to and taking notes on teachers' lectures, and classroom discussion. Reading skills developed include content comprehension, recognition of main ideas, skimming and scanning a text, and vocabulary development. Prerequisite: Admission to IEP and placement in Level 1.

1630 LEVEL 2 ACADEMIC CLASSROOM SKILLS A core IEP course at the high intermediate level, focusing on skills needed for university study: reading, listening to and taking notes on teachers' lectures, and classroom discussion. Reading skills developed include content comprehension, recognition of main ideas vs. supporting details, skimming and scanning a text, making inferences, previewing, making predictions, summarizing and paraphrasing, vocabulary development, and word form analysis. Prerequisite: Admission to IEP and placement in Level 2.

1650 LEVEL 3 ACADEMIC CLASSROOM SKILLS A core IEP course at the advanced level, focusing on reading skills used in the academic setting as well as note-taking techniques and discussion strategies to prepare students for successful matriculation into the university. Prerequisite: Admission to IEP and placement in Level 3.

Interdisciplinary Liberal Studies

URL: http://uca.edu/ubulletin/courses/interdisciplinary-liberal-studies-ils/

[1] Courses in Interdisciplinary Liberal Studies (ILS)

3380 HISTORY AND PRINCIPLES OF THE LIBERAL ARTS This is a foundation course for the Interdisciplinary Liberal Studies degree and is required of all students in the program. This course covers material from history, philosophy and cultural study of liberal arts education. Discussion and writing are essentials of the course. Prerequisite is 60 hours completed, junior standing. **[UD UCA Core: I, R]**

4380 SENIOR INTERDISCIPLINARY LIBERAL STUDIES CAPSTONE PROJECT This capstone course is required of all Interdisciplinary Liberal Studies (ILS) students, and will serve as a capstone course for the UCA Core program. Students in the ILS program complete a portfolio of work in the program, which includes one final paper or project that synthesizes their work in the program. This final paper or project will be the result of this course. Students must present this final capstone paper or project to an audience, either on campus or off. In this course students will not only write a capstone paper but assemble their portfolio, and write some reflections on the program as a whole, demonstrating that they have advanced their proficiency in critical inquiry, effective writing and in interdisciplinary inquiry. Prerequisite: Major in Interdisciplinary Liberal Studies. **[UD UCA Core: Z]**

Interdisciplinary Studies

URL: http://uca.edu/ubulletin/courses/interdisciplinary-studies/

[1] Courses in Interdisciplinary Studies (INDS)

3380 JUNIOR SEMINAR Special topics seminar. May cross departmental and disciplinary lines.

4380 SENIOR SEMINAR Special topics seminar. May cross departmental and disciplinary lines.

Insurance and Risk Management

URL: http://uca.edu/ubulletin/courses/insurance-and-risk-management/

[1] Courses in Insurance & Risk Management (INSU)

1300 INTRODUCTION TO INSURANCE This is an elective on-line course. The mode of instruction is lecture and case applications. Practical applications of personal insurance planning and risk management. Special attention to the auto, homeowners, life and health insurance careers in insurance.

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.

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.

3324 RISK AND INSURANCE 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.

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 reinsurance sector of the insurance industry. It examines risk financing techniques, marketing, underwriting, and reinsurance. The method of instruction is lecture and discussion. Prerequisite: INSU 3324.

3382 INTERNSHIP IN INSURANCE AND RISK MANAGEMENT This is an elective course open to Insurance and Risk Management majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be given for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Junior status.

4310 INTERNSHIP IN INSURANCE AND RISK MANAGEMENT This is an elective course for insurance and risk management majors. Primarily summer internships are available to provide hands-on work experience in an insurance or risk management firm. In addition to gaining valuable insight into career paths, students are required to analyze and report on the firm's operations, strategic plans, and growth prospects. Three credit hours will be given for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Senior status.

4315 EMPLOYEE BENEFITS (cross-listed as MGMT 4315) This is a required course in the insurance and risk management major. The course focuses on the study, design, and administration of group health, disability, life insurance, and retirement plans. Also includes a study of social security and other related programs for mitigating economic losses due to personal and business risk problems. The course also discusses profit-sharing, 401(k) plans, and flexible benefit plans. Primary modes of instruction are lectures, discussions, and case studies. Prerequisite: Junior status.

4320 CORPORATE RISK MANAGEMENT Primarily an applications course that seeks to identify, analyze, and deal with business loss exposures including acts of nature, liability claims, and price risk. Included are selection and application of risk control and risk financing tools such as risk retention, reduction, and transfer including insurance and hedging with financial derivatives. Prerequisite: Junior status. **[UD UCA Core: C]**

4325 PROPERTY INSURANCE CLAIMS HANDLING PRINCIPLES & PRACTICES This is an elective course in the insurance and risk management major. This course is designed to provide an understanding of risk and insurance as it relates to claim professionals, the claim handling process, claim investigation techniques, insurance fraud, good-faith claim handling, ethics, negotiation, and managing litigation. The course examines Persons/Property Insured, Causes of

Loss, Adjusting Process and Procedures, Fraud, Residential Construction, Preparing Estimates, Merchandise/Time Element Loss, Auto Physical Damage, and Contractor's Equipment. Prerequisites: INSU 3320 and 3324.

4330 INSURANCE OPERATIONS AND REGULATION This is an elective course for insurance and risk management majors. This course is designed as an overview of insurance company operations and regulation of the insurance industry. Emphasis will be upon regulation, distribution systems, property and liability insurance underwriting, loss control, premium auditing, reinsurance, ratemaking principles and process, insurer financial management, and property and liability claims adjusting. Prerequisites: INSU 3324 and INSU 3320, or permission of the instructor.

4390 INDEPENDENT STUDY IN INSURANCE OR RISK MANAGEMENT An elective in the insurance and risk management major in which students conduct a guided study of an insurance or risk management related topic approved by the supervising faculty. Prerequisite: Consent of department chair.

4395 SPECIAL TOPICS IN INSURANCE A course in insurance and risk management on a special topic or issue. The topic will vary from semester to semester. Prerequisite: consent of department chair.

Japanese

URL: http://uca.edu/ubulletin/courses/japanese/

[1] Courses in Japanese (JAPN)

1310 ELEMENTARY JAPANESE I Introductory study of modern Japanese. All four skills (speaking, listening, reading, and writing) will be introduced, with emphasis on accurate pronunciation and intonation, fundamental grammar, culturally appropriate language use, and basic orthography (*hiragana* and *kanji*). Discussion/lecture.

1320 ELEMENTARY JAPANESE II Continuation of JAPN 1310. Emphasis on fundamental grammar, vocabulary building, accurate and appropriate language use, and orthography (*katakana* and additional *kanji* introduced). Prerequisite: C grade or better in JAPN 1310 or consent of chair. Discussion/lecture.

2310 INTERMEDIATE JAPANESE I Continuation of JAPN 1320. Introduces complex grammatical patterns and informal language, and emphasizes reading and writing skills, vocabulary building, authentic conversation, and *kanji* recognition and production. Prerequisite: C grade or better in JAPN 1320 or consent of chair. Discussion/lecture.

2320 INTERMEDIATE JAPANESE II Continuation of JAPN 2310. Seeks to strengthen students' foundation in Japanese, enabling them to further acquire and develop intermediate listening, speaking, reading, and writing skills. Students will expand their casual (direct) conversation skills, be introduced to honorific and humble language styles, and learn how and with whom to communicate at various levels in given contexts. Students will expand their kanji recognition and production, as well as their reading comprehension. They will also learn skills for writing opinion and informational responses in direct style, as well as, strategies for formatting and using honorific language in letter writing. Prerequisite: C grade or better in JAPN 2310 or consent of chair. Discussion / lecture.

2340 INTENSIVE ORAL PRACTICE ABROAD IN JAPANESE Intensive practice in speaking Japanese. Students 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 Languages, Linguistics, Literatures, and Cultures. JAPN 2340 may be used to fulfill the three credit hours required at the intermediate level for the B.A. foreign language requirement. Prerequisite: JAPN 1320.

Journalism

URL: http://uca.edu/ubulletin/courses/journalism/

[1] Courses in Journalism (JOUR)

1121 PRINT MEDIA APPLICATIONS [see also JOUR 2121, 3121, 4121] A required course for online and print journalism majors and minors. The course provides laboratory practice and experience in producing the student newspaper, yearbook, or an online publication. Each level may be repeated for a total of 2 hours each; these courses must be taken in order. Production.

1123 ELECTRONIC MEDIA APPLICATIONS [see see also JOUR 2123, 3123, 4123] A required course for broadcast and online journalism majors and minors. The course provides practical experience working on the student television station or an online publication. Each level may be repeated for a total of 2 credit hours each; these courses must be taken in order. Production.

2121 PRINT MEDIA APPLICATIONS [see also JOUR 1121, 3121, 4121] A required course for online and print journalism majors and minors. The course provides laboratory practice and experience in producing the student newspaper, yearbook, or an online publication. Each level may be repeated for a total of 2 hours each; these courses must be taken in order. Production.

2123 ELECTRONIC MEDIA APPLICATIONS [see see also JOUR 1123, 3123, 4123] A required course for broadcast and online journalism majors and minors. The course provides practical experience working on the student television station or an online publication. Each level may be repeated for a total of 2 credit hours each; these courses must be taken in order. Production.

2300 BEGINNING REPORTING A required course for all journalism and public relations majors. Students will learn news gathering and reporting skills. The course involves writing and editing of various types of news stories for publication. Lecture/Production. This course may be taken concurrently with MCOM 1300. Prerequisite: WRTG 1320.

2301 BROADCAST ANNOUNCING An elective course for journalism majors and minors. Students will receive training in vocal techniques needed in television and radio announcing. Attention is given to types of announcing careers to prepare students for future career opportunities. Lecture/Production. Prerequisite: JOUR 2300 or consent of instructor.

2305 BASIC PRESS PHOTOGRAPHY A required course for all journalism majors and an elective course for minors. Beginning course in theories and applications of photojournalism. Includes the study of basic digital and Adobe Photoshop photographic techniques. Students learn the legal aspects of photojournalism, including libel, privacy, and copyright law. Students must use an adjustable 35 mm or larger digital SLR camera. Lecture/Production. Prerequisite: JOUR 2300.

2325 PRINCIPLES OF ONLINE JOURNALISM A required course for all journalism majors and an elective course for minors. The course introduces the theories and practices of reporting for online

news sources. Students in this course learn to produce news stories and present them online. Prerequisite: JOUR 2300

2340 BROADCAST JOURNALISM PRODUCTION I A required course for journalism majors and an elective course for minors. An introduction to the techniques of broadcast journalism newswriting, production, terminology, and operation of digital video cameras, lenses, lighting, audio recording, and non-linear digital editing equipment; and an exploration of the relevant aesthetics and practices of broadcast journalism production. Prerequisite: JOUR 2300.

3121 PRINT MEDIA APPLICATIONS [see also JOUR 1121, 2121, 4121] A required course for online and print journalism majors and minors. The course provides laboratory practice and experience in producing the student newspaper, yearbook, or an online publication. Each level may be repeated for a total of 2 hours each; these courses must be taken in order. Production.

3123 ELECTRONIC MEDIA APPLICATIONS [see see also JOUR 1123, 2123, 4123] A required course for broadcast and online journalism majors and minors. The course provides practical experience working on the student television station or an online publication. Each level may be repeated for a total of 2 credit hours each; these courses must be taken in order. Production.

3300 ADVANCED REPORTING A required course for print journalism majors and an elective course for other journalism majors and minors. Continued development of reporting skills through the study of specialized beats, including city, county, and state government. Involves study of the organization and functions of state and local government. Students should be available for off-campus assignments. Lecture/Production. Prerequisite: JOUR 2300.

3305 PUBLICATION DESIGN AND MAKEUP A required course for print journalism and public relations majors and an elective course for other journalism majors and minors. Beginning course in using desktop publishing software and related hardware to achieve electronic pagination. Emphasis on newspaper, newsletter, magazine, and brochure production. Lecture/Production. Prerequisite: JOUR 2300.

3308 NEWS EDITING A required course for all journalism majors and an elective for minors. Introduction of copy-editing techniques. This course teaches the student the role, the work, and the responsibility of copy editors on news staffs and covers the theory of copy editing, with supervised practice in editing copy and writing headlines. Lecture/Production. Prerequisite: JOUR 2300. **[UD UCA Core: I, C]**

3311 DIGITAL IMAGING An elective course for all journalism majors and minors. The course examines the use of current computer software for preparation, enhancement, and manipulation of photographs and for the creation of graphics for publication and illustration purposes in print, broadcast, and online media. Prerequisite: JOUR 2305 or consent of instructor.

3321 INTERNSHIP Required for all journalism majors. Internships require completion of 120 work-experience hours. Internships provide qualified students the opportunity to integrate professional experience in journalism with academic study. Successful internships will expose students directly to professional media, as well as allowing students to develop potential career contacts and strengthen their resumes. May be repeated for up to six credit hours. Minimum GPA 2.0 and completion of 70 credit hours. Prerequisites: JOUR 2300, with additional prerequisites depending on emphasis in the major, and consent of the internship Committee. **[UD UCA Core: Z]**

3334 NONFICTION WRITING An elective course for all journalism majors and minors. This course combines the skills of feature and magazine writing and uses those to produce the in-depth article. The course includes the skills of researching, writing, and marketing the article. Lecture/Production. Prerequisite: JOUR 2300 or consent of instructor.

3345 ONLINE PUBLISHING I A required course for online journalism majors and an elective course for other journalism majors and minors. The course focuses on the technical skills required in online journalism. It provides the fundamentals of internet design and usability, creating functional websites, and producing and editing multimedia. Lecture/Production. Prerequisite: JOUR 2325.

3346 ONLINE PUBLISHING II A required course for online journalism majors and an elective course for other journalism majors and minors. This course provides a real-time platform to produce and publish online journalism. Prerequisite: JOUR 3345.

3363 AUDIO JOURNALISM An elective course for journalism majors and minors. Provides in-depth study and practice of advanced audio production techniques for video, film, dramatic presentations, music, and multimedia. Lecture/Production. Prerequisite: JOUR 2340.

3365 BROADCAST MANAGEMENT An elective for journalism majors and minors. The role of the manager in broadcast production, economics, advertising, and regulation. Prerequisite: JOUR 2300 or consent of instructor.

3373 NEWS DOCUMENTARY AND PUBLIC AFFAIRS PRODUCTION An elective for journalism majors and minors. This course is designed to help journalism students shoot and edit short documentary videos incorporating accurace, fairness, and objectivity in news reporting. The course stresses identification of research topics, as well as preproduction structuring of the projects and production values. Lecture. Prerequisite: JOUR 3374 or consent of instructor.

3374 BROADCAST JOURNALISM PRODUCTION II A required course for broadcast journalism majors and an elective for other journalism majors and minors. This course emphasizes techniques of studio production, industry terminology, and the operation of television studio equipment. Students will gain a practical understanding of cameras, lenses, video switchers, audio mixing boards, lighting instruments, and graphics. Production. Prerequisite: JOUR 2340 or consent of instructor.

4121 PRINT MEDIA APPLICATIONS [see also JOUR 1121, 2121, 3121] A required course for online and print journalism majors and minors. The course provides laboratory practice and experience in producing the student newspaper, yearbook, or an online publication. Each level may be repeated for a total of 2 hours each; these courses must be taken in order. Production.

4123 ELECTRONIC MEDIA APPLICATIONS [see see also JOUR 1123, 2123, 3123] A required course for broadcast and online journalism majors and minors. The course provides practical experience working on the student television station or an online publication. Each level may be repeated for a total of 2 credit hours each; these courses must be taken in order. Production.

4313 WRITING FOR ELECTRONIC MEDIA An elective course for journalism majors and minors. Seminar in writing broadcast news copy. Lecture/Production. Prerequisite: JOUR 2300.

4315 BROADCAST JOURNALISM PRODUCTION III A required course for broadcast journalism majors and an elective course for other journalism majors and minors. Students will develop proficiency in advanced broadcast news reporting and production for News6. Production. Prerequisite: JOUR 3374 or consent of instructor.

4331 INVESTIGATIVE REPORTING An elective course for journalism majors and minors. The course focuses on in-depth reporting on public issues, including the techniques of investigative reporting. Students should be available for off-campus assignments. Lecture/Production. Prerequisite: JOUR 3300.

4333 WRITING EDITORIALS AND REVIEWS An elective course for journalism majors and minors. Various approaches to persuasive writing, with focus on newspaper editorials, opinion columns, and reviews of movies, television programs, stage plays, and books. Lecture/Production. Prerequisite: JOUR 3300 or consent of instructor.

Latin American and Latino Studies

URL: http://uca.edu/ubulletin/courses/latin-american-latino-studies-lals/

[1] Courses in Latin American and Latino Studies (LALS)

2300 LATIN AMERICAN CULTURES is a survey course that develops a broader understanding of the diverse cultures of Latin America beginning with pre-Colombian societies and continuing to the present. Students will be exposed to historical, political, and social factors throughout Latin America as well as study thematic and cultural elements that contribute to the face of Latin America today. One of two required courses in the Latin American and Latino Studies minor. Also is a humanities elective in the UCA Core "Diversity in World Cultures" area.

2310 LATINOS IN THE UNITED STATES is a survey course that provides a basic overview and understanding of Latinas/os in the United States. Students will critically examine Latino populations by studying the historical, cultural, and socioeconomic development of Latino groups in U.S. history. Attention is given to how migration, ethnicity, gender, class, and politics shape the U.S. Latino experience with emphasis on the historically larger represented groups: Mexicans, Puerto Ricans, Cubans, and Dominicans. One of two required courses in the Latin American and Latino Studies minor. Also is a humanities elective in the UCA Core "Critical Inquiry" area.

3300 TOPICS IN LATIN AMERICAN AND LATINO STUDIES is a topics class that addresses themes and issues pertinent to Latin American and Latino Studies. Course content will include a diverse range of topics. May be repeated for credit under different topics. **[UD UCA Core: D, I]**

Linguistics

URL: http://uca.edu/ubulletin/courses/linguistics/

[1] Courses in Linguistics (LING)

1310 LANGUAGE, CULTURE, AND SOCIETY Satisfies UCA Core, Diversity-Social Science requirement. Language, Culture, and Society provides students with a general understanding of human linguistic behavior and cognition. Students will explore language origins, diversity, mechanism for change, and the similarities and differences of speech across social groups, as well as compare their own linguistic culture to that of another. Lecture.

2320 INTRODUCTION TO LANGUAGE AND LINGUISTICS This course is required for the Linguistics major and minor; the Writing major General Writing Track, the General Writing minor; and the TESOL minor. This course also satisfies the linguistics foundation course for all Modern

Languages majors in French, Mandarin Chinese, and Spanish. 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.

2350 WORLD LANGUAGES Cross-listed with WLAN 2350 World Languages; one of these course is required for the Linguistics major and minor and for the TESOL minor. This course is also an elective for the Anthropology minor and satisfies the linguistics foundation course for all Modern Languages majors in French, Mandarin Chinese, and Spanish. Fulfills a Critical Inquiry Humanities requirement in the UCA Core. This course provides an introduction to the world's languages from geographical, historical, social, and psychological perspectives. Emphasis is on the diversity of the world's languages as well as their underlying unity. Lecture, discussion.

3310 ISSUES IN ENGLISH AS A SECOND LANGUAGE A required course for linguistics majors in the Teaching English to Speakers of Other Languages track (Track Two) and an elective for linguistics minors. This course introduces students to the field of applied linguistics, primarily teaching English to speakers of other languages, by exploring the educational contexts in which English is taught and learned. Emphasis is on TESOL as a profession and the role of linguistic and cultural variation in the ESL curriculum. The course is designed for students who want to teach English abroad or to tutor language learners in the U.S. Prerequisite: LING 2320.

3315 SEMANTICS A required course for the Linguistics major and minor, and an elective for Writing majors in the General Writing track and for General Writing minors. This course examines meaning in language–how we know what words and sentences mean. At the word level, students will examine such ideas as sense, connotation and extension. At the sentence level, students will examine propositions, truth conditions, scope, entailment and implicature. Metaphor, representation, speech acts and conversation will also be discussed. Discussion, lecture, essays, project. Prerequisite: WRTG 1320.

3325 SOCIOLINGUISTICS A required course for the Linguistics major and minor. An elective course for TESOL minors; Writing majors in the General Writing Track, and General Writing minors; African and African-American Studies majors and minors; and Anthropology majors. This course examines the connections between language and society and language and culture, including such factors as region, gender, age, race, sexual orientation, and social standing; language varieties, registers and speech communities. Discussion, lecture, short essays and a student project. Prerequisite: WRTG 1320. **[UD UCA Core: D]**

4V80 DIRECTED STUDY IN LINGUISTICS (Variable credit: 1-3 credit hours.) This course provides the opportunity for advanced study in specific topics in Linguistics. Designed for students with Junior or Senior standing who have declared the Linguistics major or minor. The course will cover specific topics not currently offered in the curriculum. The professor will design the content of the course with student input as appropriate, establishing goals and a timeline, setting a reading list, and presenting guidelines for research and a final project. Students gain an in-depth knowledge of a subfield of linguistics, research methodology, specific researcher, language family, linguistic area, or other subject matter as deemed appropriate.

4V90 EXEMPLARY STUDIES IN LINGUISTICS (Variable credit: 1-3 credit hours.) This course satisfies a requirement for graduation from Exemplary Studies Undergraduate Scholars Program and

for graduation with honors from the major department. The student will enroll in the course in order to prepare for submission, no later than the last day of instruction for the semester in which the student will graduate, an honor thesis (a research paper, project, performance, or presentation) of twenty to thirty pages demonstrating original, reasoned research. Discussion, writing, and group work. Prerequisite: Acceptance in the Linguistics Exemplary Studies Program.

4110 CAPSTONE IN LINGUISTICS The Capstone is required for Linguistics majors. Majors will complete the portfolio requirement for the BA in Linguistics; minors in Linguistics or TESOL will create a portfolio in the minor program. All students will write a self-reflective essay and various other written and oral assignments designed to prepare them to enter the job market and apply to graduate programs in Linguistics and related fields. Prerequisite: Completion of 24 hours in the major in Linguistics or 12 hours in the minor in Linguists or the minor in TESOL; or permission of instructor. **[UD UCA Core: Z]**

4320 GRAMMATICAL STRUCTURES OF ENGLISH A required course for the Linguistics major, Track Two (TESOL); and for the TESOL minor. This course is also an elective in the Linguistics major, Track Four (General Linguistics); and in the Linguistics minor. This course focuses on the scientific study of grammar, including lexical categories, phrases, relative clauses, participles, grammatical relations and non-canonical sentences. Students will analyze the intricate set of principles and rules of English that determine possible sentences and disallow impossible sentences. Lecture, discussion. Prerequisite: LING 2320 or ENGL 3315.

4330 EDUCATIONAL LINGUISTICS A required course for the Linguistics major Track Two (TESOL); and an elective for the Linguistics major Track Four (General Linguistics). This course is also an elective in the Linguistics minor, the TESOL minor, the General Writing minor, and the Writing major, General Writing track. The course investigates issues of language and education, particularly of language policy and management, literacy development and linguistically responsive education. Students will examine the research tools of linguistics and other social science disciplines as they relate to language and education. Discussion, lecture. Prerequisite: WRTG 1320. **[UD UCA Core: C]**

4345 ANALYTICAL METHODS OF MORPHOLOGY AND SYNTAX A required course for Linguistics majors and one of two courses to satisfy the Linguistics minor core requirement. Students will be introduced to the major aspects of morphological and syntactic analysis, the history of grammatical study, and both formal and functional approaches to grammatical analysis. Students will learn the key concepts and terminology associated with grammatical description and apply them to the analysis of problem sets presented from a wide range of the world's languages. Lecture, discussion. Prerequisite: LING 2320 or permission of instructor.

4350 PHONOLOGY A required course for the Linguistics major and one of two courses to satisfy the Linguistics minor core requirement. This course introduces students to phonological analysis, including the basics of phonetics and the skills needed to analyze phonological data. Discussion, lecture, workshop. Prerequisite: LING 2320 or permission of instructor.

4355 SPECIAL TOPICS IN LINGUISTICS One of three courses to satisfy the Linguistics major core requirement and an elective in the Linguistics minor. This course will provide students with a more concentrated focus on specific areas or sub-genres within linguistic anthropology. Content varies according to interest and expertise of instructor. Course may be repeated up to three times for credit. Lecture, discussion. Prerequisite: LING 2320 or permission of instructor.

4360 HISTORICAL LINGUISTICS AND LANGUAGE CHANGE An elective course for the Linguistics major and minor. Students will learn the basic principles of language change, the nature and development of language families and the methods of comparative and internal reconstruction. Language change at the level of phonology, morphology, and syntax will be discussed from a typologically informed perspective. Students will apply basic methodologies used in reconstructing the history and development of languages from proto-languages and to write solutions to data-rich problem sets in clear, descriptive prose. Lecture, discussion. Prerequisite: LING 2320.

4370 FIELD METHODS IN LINGUISTICS One of three courses to satisfy the Linguistics major core requirement and an elective in the Linguistics minor. Students will explore the sound patterns and grammatical structure of an unfamiliar language by working directly with a native speaker. Students will learn and apply techniques in recording, transcription, and analysis used by professional linguists to document lesser-known languages that typically do not have a written tradition. Ethical issues in working with language consultants and responsibilities to the speech community will also figure prominently in this course. Students will also learn techniques for processing data, preparing for sessions with the language consultant, and writing research findings in clear, descriptive prose. Lecture, discussion. Prerequisite: LING 2320. **[UD UCA Core: I, R]**

Mathematics

URL: http://uca.edu/ubulletin/courses/mathematics/

[1] Courses in Mathematics (MATH)

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.

1191 MATHEMATICS SOFTWARE This course is an elective 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 1496.

1360 QUANTITATIVE LITERACY 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. Lecture/demonstration format. Prerequisite: Math ACT of 19 or higher or C or better in UNIV 1340. **[ACTS: MATH1113]**

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. Lecture/demonstration format. Prerequisite: MATH ACT of 19 or higher or C or better in UNIV 1340. **[ACTS: MATH1103]**

1392 PLANE TRIGONOMETRY Coupled with College Algebra (MATH 1390), this course satisfies the prerequisites for Calculus I (MATH 1496) 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. **[ACTS: MATH1203]**

1395 APPLIED MATHEMATICS FOR BUSINESS (formerly 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. The course focuses on strengthening foundational algebra techniques by applying them to business, finance, and economics. Calculus topics include introductions to limits, derivatives, optimization, and marginal analysis in business and economics. Problem solving and calculator technology will be emphasized. Prerequisite: MATH 1390 (C grade or higher) or equivalent.

1491 APPLIED CALCULUS FOR THE LIFE SCIENCES This course is a brief introduction to calculus and includes 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. Lecture/demonstration format. Prerequisite: MATH 1390 or equivalent.

1496 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 . **[ACTS: MATH2405]**

1497 CALCULUS II This course is required of all majors or minors 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 1496. **[ACTS: MATH2505]**

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. **[ACTS: MATH1305]**

2V25 INDEPENDENT STUDY IN MATHEMATICS (Variable credit: 1-3 credit hours.) The student will independently study a mathematical topic with a faculty mentor. Course may be repeated. Prerequisites: MATH 1496 and consent of instructor.

2311 ELEMENTARY STATISTICS 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. **[ACTS: MATH2103]**

2330 DISCRETE STRUCTURES I 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: CSCI 1470 and MATH 1491 or MATH 1496, or consent of instructor.

2335 TRANSITION TO ADVANCED MATHEMATICS This course is an introduction to the language and methods of advanced mathematics. The student will learn the basic concepts of formal logic and its use in proving mathematical propositions. Specific topics that will be covered may vary depending upon the instructor, but will include basic number theory and set theory. Prerequisite: MATH 1497.

2441 INTRODUCTION TO MATHEMATICAL COMPUTATION This course focuses on the process of translating a mathematical concept, formula or algorithm into a form that is appropriate for investigation via computational tools, including common mathematical software and programming languages. Topics will include applications of summations, iterative methods, recursion, polynomial approximations and trigonometric approximations. Lecture/Computer Lab format. Prerequisite: C or better in Math 1497.

2471 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 1497. **[ACTS: MATH2603]**

3V25 SPECIAL TOPICS IN MATHEMATICS (Variable credit: 1-3 credit hours.) This course is an elective lecture course that focuses on advanced topics in mathematics not covered in the current curriculum. Topics vary with instructors. Course may be repeated. Prerequisite: MATH 1497 and consent of instructor.

3311 STATISTICAL METHODS This course emphasizes intermediate and advanced statistical data analysis, including various hypothesis tests, multiple linear regression, experimental designs, and analysis of variance (ANOVA). Statistical computer software will be used. Prerequisite: MATH 2441 or equivalent and consent of instructor.

3320 LINEAR ALGEBRA This course is required for all majors in mathematics, physics, and computer science. This course introduces 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 1497 or 2330. **[UD UCA Core: I]**

3330 DISCRETE STRUCTURES II This course in discrete mathematics is designed for mathematics and computer science majors. The topics include recursion, graph theory, matrices, algorithms, basics of formal languages and automata theory. Applications leading to the development of algorithms are emphasized. Lecture format. Prerequisite: MATH 2330 or MATH 2335.

3331 ORDINARY DIFFERENTIAL EQUATIONS I This course is required for applied mathematics majors and is an elective for all other mathematics majors. Topics include linear and nonlinear first order equations, linear second order equations, the Cauchy-Euler equation, and

systems of linear first order equations. Applications from the natural sciences and engineering are emphasized. Lecture/computer activities. Prerequisite: MATH 1497. **[UD UCA Core: C]**

3351 NUMBER SYSTEMS: INTEGERS This course is a professional development course required for elementary education majors. A primary goal is to organize mathematical knowledge of the real number system so that teacher candidates connect concepts to processes, learn models for mathematical ideas, and experience the construction of mathematics through problem solving. The primary method of delivery is through activities involving manipulatives and problem solving. MATH 3351 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: C or better in MATH 1390 or higher and intent to apply for admission to Teacher Education.

3352 NUMBER SYSTEMS: REALS This course is a professional development course required for elementary and middle-level education majors. The primary goal is to organize mathematical knowledge of the Real Number system, operations and algebraic thinking and supporting content including data analysis so that candidates can develop the six types of knowledge that research has identified as necessary for teachers: common content knowledge, specialized content knowledge, knowledge on the mathematical horizon, knowledge of content and students, knowledge of content and teaching and knowledge of curriculum. The primary methods of delivery will be investigation (including use of models), problem solving, and discussion. MATH 3352 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: MATH 3351 and declared major in teacher education. This course is not open to non-education majors.

3354 CONCEPTS OF DISCRETE MATHEMATICS This course, a requirement for middle-level mathematics teacher candidates and an option for secondary teacher candidates, is the study of modeling and solving problems involving sequential change and decision-making in finite settings. Topics include graph theory, number theory, recursion, counting methods, optimization, probability, combinations, and algorithmic problem solving. The primary methods of delivery are discussion and activities. MATH 3354 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: MATH 1390 or a content course above 1390.

3360 INTRODUCTION TO RINGS AND FIELDS A required course for majors in pure mathematics, UCA STEMteach Pure Mathematics, and UCA STEMteach Mathematics Education tracks. This course is designed to introduce students to abstract mathematics. Topics include binary operations, the integers, modular number systems, rings, and fields. Lecture format. Prerequisite: MATH 2335.

3362 INTRODUCTION TO GROUP THEORY A required course for majors in pure mathematics. The course is designed to introduce students to abstract mathematics. Topics include groups, subgroups, group homomorphism, and the classification of finite abelian groups. Additional topics vary but may include: Lie groups, representation theory, group actions, or Galois groups depending on the makeup of the class. Lecture format. Prerequisite: MATH 2335.

3364 CONCEPTS OF GEOMETRY AND MEASUREMENT This course is designed for middle level teacher candidates that will use both hands-on and computer activities such as concrete geometric models, virtual manipulatives, and Geometer's Sketchpad software. Geometric reasoning and constructions will be emphasized using introductory proofs and computer explorations. This course will also connect geometry and measurement to other topics such as probability and algebra using geometric models and coordinate geometry. Delivery will include discussions, computer labs,

and problem solving activities. MATH 3364 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: MATH 1390 (College Algebra) and MATH 3351 (Number Systems).

3370 MATHEMATICS IN THE SECONDARY SCHOOLS This course is designed for secondary mathematics education majors and minors. 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. MATH 3370 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: Admission to Secondary Teacher Education or the intent to register for MATH 4301 in the subsequent semester.

3391 NONPARAMETRIC STATISTICS This course introduces nonparametric alternatives to parametric testing. Topics include order statistics, empirical distribution functions, rank tests, sign tests, nonparametric ANOV A, and nonparametric correlation. The fundamentals of permutation testing and their practical application is emphasized for scenarios where no known method exists. Diagnostics to detect when parametric or nonparametric assumptions are violated are explored along with practical guidance of the appropriate methods to employ. This course is required for mathematics majors electing the data science track. Prerequisites: MATH 3311 or consent of the instructor.

3392 MULTIVARIATE ANALYSIS This course is an introduction to multivariate analysis in data science and shows how multivariate statistical techniques can be applied to analyze datasets with many variables. Often all the variables need to be examined simultaneously in order to fully understand the structure and key features of the data collected in many fields including medicine, social sciences, engineering, and management science. Topics include data visualization, principal components analysis, multidimensional scaling, exploratory and confirmatory factor analyses, structural equation models, and analysis of repeated measures data. It is a required course for mathematics majors electing the data science track. Prerequisites: MATH 3311 and 3320, or consent of the instructor.

4V25 UNDERGRADUATE RESEARCH IN MATHEMATICS (Variable credit: 1-3 credit hours.) The student will engage in mathematical research under the supervision of a faculty mentor. Course may be repeated. Prerequisites: MATH 2471 and consent of instructor.

4200 INTRODUCTION TO EDUCATIONAL TESTING AND ASSESSMENT IN MATHEMATICS This course is required for majors and minors in mathematics education who plan to seek teacher licensure. The course is designed to study the purpose, analysis, and construction of various assessments and the assessment policies and issues that impact teaching. Class discussions, projects, and presentations are central to the course. Prerequisites: MATH 3370 and Admission to Teacher Education. Corequisite: MATH 4301.

4301 SECONDARY MATHEMATICS METHODS This course is required for majors in mathematics education who plan to seek teacher licensure. Topics include innovative curricula for secondary mathematics topics, NCTM standards, planning and organization in the classroom, strategies, methods, materials, technology, and other topics related to teaching and learning mathematics. Class discussions, presentations, and papers such as summaries and critiques are central to the course. Prerequisite: MATH 2471, 3370. **[UD UCA Core: C]**

4305 ORDINARY DIFFERENTIAL EQUATIONS II This course is an elective course for majors in mathematics and applied mathematics. The topics include ordinary and partial differential equations, Fourier series, and numerical analysis with modeling applications in physics, biology, and other sciences. Lectures, computer labs, and projects are central to the course. Prerequisite: MATH 3320 and 3331.

4306 MODELING AND SIMULATION This is a capstone course required for majors in applied mathematics, STEMteach applied mathematics track, and serves as an elective course for other tracks in mathematics. This project-oriented course applies techniques of differential equations and other methods to solve realistic problems from science, business, and industry. Lectures, computer labs, and projects. Prerequisites: MATH 2441, 3320, 3331, and 4371. **[UD UCA Core: Z]**

4310 GEOMETRY AND MEASUREMENT TOPICS FOR ELEMENTARY TEACHERS This course is a professional development course required for early childhood preservice teachers. Mathematical topics include geometry, probability, statistics, measurement, NCTM standards, and technology. Class discussions, presentations, article critiques, discovery and cooperative learning are central to the course. MATH 4310 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: C or better in MATH 3351 or equivalent.

4312 THE METRIC SYSTEM AND OTHER TOPICS FOR ELEMENTARY AND MIDDLE SCHOOL TEACHERS This course is a professional development course for elementary and middle school preservice teachers. Topics include converting in the metric system, measurement, geometry, and number systems. This activity-oriented course includes numerous hands-on materials for measuring and converting, presentations, article critiques, NCTM standards, and cooperative learning. MATH 4312 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: C or better in MATH 3351 or equivalent.

4313 FUNCTIONS AND MODELING This course includes explorations and lab activities designed to strengthen and expand students' knowledge of secondary education mathematics topics. Students collect data and explore a variety of situations that can be modeled using linear, exponential, polynomial, and trigonometric functions. Activities are designed to engage students in a deeper look at topics to which they have been previously exposed, to illuminate the connections between secondary and college mathematics, to illustrate good uses of technology in teaching, to illuminate the connections between various areas of mathematics , and to engage in serious, non-routine problem solving, problem-based learning, and applications of mathematics. This course is required for mathematics majors who are completing the STEM education minor. Prerequisite: MATH 1497.

4314 APPLICATIONS OF MIDDLE LEVEL MATHEMATICS This course is required for the middle level mathematics/science education majors. The primary goal is to provide preservice teachers with the opportunity to learn mathematics and science as integrated content and pedagogy. Candidates enroll in this course concurrent with the middle level Teaching Internship I. The primary method of delivery is through activities, problem solving, projects, and presentations. MATH 4314 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisite: MATH 3351 and SCI 3320 and admission to Middle Level Teacher Education. Required corequisite: MSIT 4411.

4315 INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS This course introduces techniques for solving first and second order linear partial differential equations. Topics include

quasi-linear first order partial differential equations, and the method of characteristics, second order linear partial differential equations separation of variables of the heat equation, wave equations, and Laplace's equations. Applications include heat conduction, steady state temperatures, and vibrating strings and membranes. Lecture. Prerequisites: MATH 2441, 2471 and 3331.

4316 FUNDAMENTALS OF APPLIED MATHEMATICS FOR FLUID MECHANICS AND GRANULAR MATERIALS This course is an introduction to applied mathematics in fluid mechanics and granular materials. It is an elective for all mathematics majors. Topics include dimensional analysis, perturbation methods for algebraic equations and differential equations, basic concepts and methods for fluid mechanics as well as granular materials. Prerequisite: MATH 4315.

4320 CONCEPTS OF CALCULUS This course is required for middle level teacher candidates in the mathematics/science track. 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 3354 or MATH 3364.

4330 MATHEMATICAL MODELING IN BIOLOGY This elective course is an introduction to mathematical modeling and analysis in biology and life sciences. Topics include dynamic system theory, feedback control, enzyme kinetics, Michaelis-Menten equation, the Hodgkin-Huxley model, mathematical models for calcium dynamics and blood glucose regulation, numerical solutions and mathematical analysis of the models. A contemporary textbook, research papers on this subject, and MATLAB will be used. Primary methods of delivery are lecture, student presentations, and discussion. Prerequisite: C or better in MATH 2441 and 3331.

4335 CONCEPTS OF ADVANCED MATHEMATICS 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 algebra and number strands through 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. MATH 4335 does not fulfill a Mathematics major, minor, or Bachelor of Science special degree requirement. Prerequisites: MATH 3354 or MATH 3364 and admission to Middle Level Teacher Education.

4340 NUMERICAL METHODS This course is a mathematics elective that introduces methods of numerical analysis with modern high speed computers. Topics include methods of solving nonlinear equations, linear and nonlinear systems, polynomial approximation, curve fitting, numerical differential equations, numerical optimization. Lecture and computer activities. Prerequisite: MATH 2441 and 3320, both with a grade of C or better.

4345 COLLEGE GEOMETRY This course is required for majors in mathematics education who plan to seek teacher licensure. The course focuses on the elementary theory in foundations of geometry, advanced Euclidean geometry, and introduces transformations and non-Euclidean geometries. Problem solving, discovery, computer activities, and lecture. Prerequisite: MATH 1496.

4350 INTRODUCTION TO THE HISTORY OF MATHEMATICS This course is required for majors in mathematics education who plan to seek teacher licensure. The course traces the historical development of topics encountered in the secondary mathematics curriculum from the rise of

civilization through the eighteenth century. The purpose of the course is to provide the prospective teacher with an understanding of the evolution of mathematical concepts and a pedagogical appreciation for the problems involved in the development of the concepts. Lecture, research, and discussion. Prerequisite: MATH 1497. **[UD UCA Core: D]**

4360 TEACHING INTERNSHIP I This internship is required of secondary mathematics education majors. In the form of a one 8-hour day per week practicum, this course combines the study of discipline-specific teaching methods and materials with the study of secondary school curriculum. Candidates enroll in this internship concurrent with courses in methods, assessment, literacy, and the history of mathematics. Prerequisite: MATH 3370 and admission to Secondary Teacher Education. Required corequisites: MATH 4301, 4350, MSIT 4320 and 4325.

4362 ADVANCED CALCULUS I This course is required for mathematics majors and serves a mathematics elective for applied mathematics majors. This rigorous theoretical treatment of calculus includes completeness, compactness, connectedness, sequences, continuity, differentiation, integration, and series. Lecture format and problem solving. Prerequisite: MATH 2471. **[UD UCA Core: Z]**

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.

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 1497. **[UD UCA Core: R]**

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 2441 and 4371.

4373 REGRESSION ANALYSIS 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 3311 (C grade or higher) or consent of the instructor.

4374 INTRODUCTION TO STOCHASTIC PROCESSES This course is an introduction to applied mathematics in stochastic processes, computer science, management science, the physical and social sciences, and operations research. It is an elective course for all mathematics majors. Topics include review of probability; conditional probabilities and conditional expectations. Markov chains, continuous-time Markov chains, renewal theory, queuing theory, reliability theory, Brownian motion and stationary processes. Prerequisite: MATH 4371 or consent of instructor.

4375 INTRODUCTION TO TOPOLOGY I This course is an elective for all mathematics majors and minors. This course is an introduction to the study of the properties of continuous functions, including applications to knots, surfaces, and function spaces. Lecture/seminar format. Prerequisite: Consent of instructor.

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.

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.

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 2471.

4391 MACHINE LEARNING This course is an introduction to common methods and algorithms used in machine learning. Content is broken down into supervised and unsupervised learning with an emphasis on using current cross-validation methods in either setting. Supervised topics include a variety of linear regression methods including ordinary, subset, and shrinkage. Supervised linear models are revisited in the context of classification and extended to quadratic discriminate analysis. Basis expansions and kernel smoothers are also explored in the regression and classification settings along with classification and regression trees, neural networks, and support vector machines. Finally, unsupervised methods include cluster analysis, principal components, and independent component analysis. In all instances, the methods will be applied to data sets with a widely varying number of observations and variables. This course is required for mathematics majors electing the data science track. Prerequisite: MATH 4373 or consent of the instructor.

4392 TIME SERIES AND FORECASTING This course is an introduction to time series analysis and forecasting in data science. Time series data arise in many applications such as weather, share market, and medicine. Time series data are analyzed to understand the past and to predict the future, enabling managers or policy makers to make properly informed decisions. Topics include autocorrelation analysis, filtering time-series data, basic stochastic models, univariate time-series models, stationary models, non-stationary models, long-memory processes, spectral analysis, multivariate time-series models, and state space models. Prerequisite: MATH 4373 or consent of the instructor.

4395 PRACTICUM IN DATA SCIENCE The practicum serves as the capstone course for the Data Science track within the BS degree. It is a required course for all data science students within the mathematics department. Each student will be assigned a “big data” project under the supervision of a departmental faculty member and (possibly) a mentor from business or industry who possesses expertise in one or more of the requisite skills. The products of the practicum will be a detailed, technical paper that details databases, methods of analyses, findings, and an oral presentation that summarizes the paper. Each student’s work should demonstrate a synthesis of the skills taught in the various classes within the data science curriculum. This class is required for mathematics majors electing the data science track. Prerequisite: MATH 4391.

4680, 4681 TEACHING INTERNSHIP II This course is designed for secondary pre-service 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. Student is required to enroll in MATH 4680 and 4681 simultaneously. **[UD UCA Core: Z]**

Mass Communication

URL: http://uca.edu/ubulletin/courses/mass-communication/

[1] Courses in Mass Communication (MCOM)

1300 MEDIA AND SOCIETY A required course for all journalism majors and a lower-division UCA Core elective (Responsible Living). Designed to give students an understanding of the role and function of the media in contemporary society. The course examines the historical, economic, social, political, technological, aesthetic, legal, and ethical foundations of media. Lecture.

3V22 DIRECTED STUDY IN COMMUNICATION (Variable credit: 1-3 credit hours) An elective course for journalism majors and minors. Involves concentrated study of a topic or topics to be determined by individual student need. May be repeated for up to three hours of credit. May be used for honors studies with the consent of the department chair. Prerequisite: Consent of the instructor.

3301 MEDIA LAW AND ETHICS A required course for journalism and public relations majors and an elective for minors. This course covers legal boundaries within which media professionals must operate as well as ethical issues in media careers. Lecture. Prerequisite: JOUR 2300 or consent of instructor. **[UD UCA Core: D, R]**

3302 MEDIA HISTORY An elective course for journalism majors and minors. The course provides an in-depth study of the development of news media. Lecture. Prerequisite: JOUR 2300.

3307 THEORIES OF MASS COMMUNICATION An elective course for all journalism majors and minors. The course explores major theories of mass communication, focusing on those theories that have come to influence how we understand the relationship between media and society. Prerequisite: JOUR 2300.

3320 INTRODUCTION TO MASS COMMUNICATION RESEARCH METHODS An elective course for journalism majors and minors. The course explores the tools and techniques of social scientific research used in the study of mass communication, including surveys, content analysis, and experiments. Students will work on formulating research questions, collecting data, performing basic statistical analysis, and reporting the results. Lecture. Prerequisite: MCOM 3307.

3391, 4391 TOPICS IN MASS COMMUNICATION An elective course for journalism majors and minors. Special topics in advanced issues in journalism. May be repeated for up to nine hours credit at each level. Prerequisites: JOUR 2300, with other prerequisites possible, depending on topic.

4302 MEDIA EFFECTS An elective course for journalism majors and minors. The course introduces and surveys empirical work on the effects of media content, form, and technology upon individuals, society, and culture. The course will focus primarily on social and/or behavioral approaches to understanding the effects of media. Lecture: Prerequisite: MCOM 3320 or consent of instructor.

4323 SEMINAR IN MASS COMMUNICATION An elective course of journalism majors and minors. Various topics relevant to media careers. May be repeated for for up to nine hours credit. Prerequisite: JOUR 2300 or consent of instructor.

Medical Laboratory Science (MD T)

URL: http://uca.edu/ubulletin/courses/medical-technology/

[1] Courses in Medical Laboratory Science (MD T)

4108 LABORATORY FUNDAMENTALS Introduction to the hospital laboratory including phlebotomy and medical terminology; attendance at laboratory inservice.

4110 SEMINAR II Attendance at laboratory inservice; presentation of inservice including visual aids; review for comprehensive exam.

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

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

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

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

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

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

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

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

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

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

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

Management

URL: http://uca.edu/ubulletin/courses/management/

[1] Courses in Management (MGMT)

2301 BUSINESS COMMUNICATIONS 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: WRTG 1320 or ENGL 1320 or equivalent course. **[ACTS: BUSI2013]**

2341 PRINCIPLES OF MANAGEMENT An elective course not open to business majors. A required course for management minors and an elective course for marketing minors. 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.

3300 LABOR/MANAGEMENT RELATIONS An elective in the management major and minor and in the logistics and supply chain management major. 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.

3305 SOCIAL ISSUES IN MANAGEMENT An elective course in the management and marketing majors or minors. This course provides students with an introduction to the social and ethical issues facing managers in a variety of organizational settings. Theories of ethics and social responsibility will be discussed and then applied to real-life settings involving employees, consumers, government, and society. Methods of instruction include lecture, discussion, case studies, and class presentations.

3310 FUNDAMENTALS OF ENTREPRENEURSHIP An elective course for management and marketing majors and minors and a required course in the Innovation and Entrepreneurship minor. This 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. Prerequisite: Consent of instructor.

3315 INTERNATIONAL BUSINESS COMMUNICATIONS An elective course for management and marketing majors and minors, 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. Prerequisite: MGMT 2301; or WRTG/ENGL 1320 and consent of instructor. **[UD UCA Core: C]**

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. Lecture/discussion. Prerequisites: ACCT 2310, 2311 or CSCI 2320; ECON 2320, 2321; QMTH 2330. **[UD UCA Core: D, R]**

3342 INTERNATIONAL BUSINESS An elective course for management and marketing majors and minors. It is an elective course in the Logistics and Supply Chain Management major. 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.

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

3346 STRATEGIC HUMAN RESOURCE MANAGEMENT (formerly listed as Personnel/Human Resources Management) A required course in the management, Innovation and Entrepreneurship, and Logistics and Supply Chain Management majors, and Logistics and Supply Chain Management minor, and an elective course in the management minor and marketing major and minor. Students in the course examine the role of personnel/human resource management in organizations. Emphasizes selection/staffing, employee training and development, performance management, and compensating the organization's human resources. Uses lecture, discussion, and case analysis. Prerequisites: MGMT 3340 or MGMT 2341.

3349 SMALL BUSINESS MANAGEMENT A required course in the innovation and entrepreneurship major and an elective course for management and marketing majors and minors and for logistics and supply chain management majors. The course 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.

3350 COMPENSATION ADMINISTRATION An elective in the management major and minor and in the logistics and supply chain management major. The 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.

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; and MGMT 3346.

3352 PURCHASING AND MATERIALS MANAGEMENT A required course in the Logistics and Supply Chain Management major and minor and an elective in the management and marketing majors and minors. Course examines the processes and problems involved in acquiring and controlling materials and services. Includes source selection, inventory management, competitive bids and negotiations, measuring purchasing performance, and uses of the Internet. Uses lecture and discussion supplemented by research on realistic procurement problems and on-site visits. Prerequisites: QMTH 2330 or MGMT 2341.

3365 TRANSPORTATION AND MOTOR CARRIER MANAGEMENT A required course in the Logistics and Supply Chain Management major and minor and an elective in the management major and minor designed to familiarize students with the importance, characteristics, and nuances of the global and U.S. transportation systems and infrastructures. The course focuses on the role of transportation in the supply chain, the different types of carriers, costing and pricing of transportation, and strategies used by both carriers and shippers. Prerequisites: None.

3375 LOGISTICS STRATEGY A required course in the Logistics and Supply Chain Management major and minor and an elective in the management major and minor designed to familiarize students with the importance, characteristics, and multi-faceted nature of logistics and supply chain management and the strategies through which firms may gain a sustained competitive advantage through their implementation. This class includes an analysis of business logistics and supply chain principles including customer service, customer service operations, warehouse and distribution center operations, order processing, facility design and operations, information technology in supply chain management, supply chain relationships, the interaction of logistics and other firm processes, and the effects of supply chain management on firm performance.

3382 INTERNSHIP IN MANAGEMENT An elective in the management major. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved COB Student Internship. Prerequisite: Junior standing.

4315 EMPLOYEE BENEFITS (cross listed as INSU 4315) An elective course in the management major and minor, the course focuses on the study, design, and administration of group health, disability, life insurance, and retirement plans. Also includes a study of social security and other related programs for mitigating economic losses due to personal and business risk problems. The course also discusses profit-sharing, 401(k) plans, and flexible benefit plans. Primary modes of instruction are lectures, discussions, and case studies. Prerequisite: Junior Status.

4320 SELECTED TOPICS IN MANAGEMENT An elective course in the management major and minor. The class uses a lecture/discussion approach to examine topics not included in other management courses. Prerequisite: MGMT 3340 or MGMT 2341.

4341 QUANTITATIVE METHODS IN MANAGEMENT A required course in the management major and Logistics and Supply Chain Management major and minor and an elective course in the management minor. The course emphasizes an understanding of financial and strategic implications of such quantitative aids to decision making as statistical analysis, ratio analysis, operations benchmarking, forecasting, cost analysis, and pricing. Lecture/discussion.

4345 GOVERNANCE OF THE SUSTAINABLE ORGANIZATION This is an elective course in the management major and minor and in the logistics and supply chain management major. The course covers the theoretical, policy, and management implications of corporate governance and sustainability, including efforts at reform and the creation of new standards or norms.

4347 MANAGING POLICY AND STRATEGY Designed as the capstone course in the business core, required of all students in the BBA program; should be taken during a student's final semester/term. Provides a review of the basic organizational functions and emphasizes the nature, development, and implementation of an organization's strategy. Uses lecture, discussion, case studies, and organizational simulations (computer simulation may be required) as means of developing decision-making and problem-solving skills. Prerequisites: FINA 3330; MGMT 3340, 3344 (or, for Accounting majors, ACCT 3315); MKTG 3350. **[UD UCA Core: Z]**

4348 ADVANCED ORGANIZATIONAL BEHAVIOR A required course in the management major and an elective course in the management minor. Students will study individual human behavior, group dynamics, and team building in an organizational environment. Also considers the impact of interpersonal relations on worker productivity and job satisfaction. Uses lecture, discussion, and case analysis. Prerequisite: MGMT 3340 or MGMT 2341. **[UD UCA Core: C]**

4376 NEW VENTURE CREATION This course is the capstone class in the Entrepreneurship major and minor. It is an elective course in the management major and minor. It has three components: (1) knowledge acquisition and case work; (2) developing a business plan; and (3) preparation and attendance for any guest speakers. This class will be intense and will require meetings outside of class. Developing a business is a dynamic process, as is developing a business plan. The course will require the student acquire in-depth knowledge about markets, product costs, and operating costs, as well as building financial projections and getting feedback from potential customers, investors, employees, and other stakeholders. Prerequisite: MKTG 3376 or consent of instructor. **[UD UCA Core: C]**

4382 INTERNSHIP IN MANAGEMENT An elective course for management majors and for logistics and supply chain management majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved CBA Student Internship. Prerequisite: Senior standing.

4385 SAFETY AND MOTOR CARRIER POLICY A required course in the Logistics and Supply Chain Management major and minor. The course specifically focusing on motor carrier safety regulations, their implementation, and government policy issues, provides a high-level integration of safety theories (e.g., high-reliability theory and normal accident theory) along with a thorough examination of safety technologies, protocols, and regulations. Prerequisite: MGMT 3365. **[UD UCA Core: C]**

4390 SPECIAL PROBLEMS IN MANAGEMENT An elective course in the management major and minor and in the logistics and supply chain management major. Students conduct a guided study of a management-related topic. Used primarily by students wishing to earn departmental recognition. Prerequisite: Consent of department chair.

Military Science and Leadership

URL: http://uca.edu/ubulletin/courses/military-science-and-leadership-basic-advanced/

[1] Courses in Military Science and Leadership (MILS) – 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.

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: MILS 1101, equivalent credit, or instructor approval.

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 MILS 1102 in discussion and laboratory. Prerequisite: MILS 1102, equivalent credit, or instructor approval.

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 MILS 2201, the course challenges current beliefs, knowledge, and skills and provides equivalent preparation for the ROTC Leadership Development and Assessment course (LDAC) as the Leaders Training Course. Students study military tactical missions, planning considerations, and patrol base activities in discussion and laboratory. Prerequisite: MILS 2201, equivalent credit, or instructor approval.

[2] Courses in Military Science and Leadership (MILS) – 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.

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 Leadership Development and Assessment course (LDAC), 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: MILS 3301.

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 Leadership Development and Assessment course (LDAC) 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: MILS 3302. **[UD UCA Core: D, R]**

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: MILS 4301 or instructor approval. **[UD UCA Core: I, C]**

4303 ADVANCED OFFICERSHIP I Advanced Officership I is a course of independent research and analysis on professional military topics specifically related to the branches of the US Army. Personal and professional goals for officers as well as military history will be the emphasis of the course. Prerequisite: MILS 3301 or 4301.

4304 ADVANCED OFFICERSHIP II Advanced Officership II is a course of independent research and analysis on professional military topics specifically related to the branches of the US Army. Personal and professional goals for officers as well as military history and branch-related tactics involved in military history will be the emphasis of the course. Prerequisite: MILS 3301 or 4301.

Management Information Systems

URL: http://uca.edu/ubulletin/courses/management-information-systems/

[1] Courses in Management Information Systems (MIS)

2343 DESKTOP DECISION SUPPORT TECHNOLOGIES This course is required for all business majors as a part of the business foundation. The course is designed to build competency in desktop tools for use in making business decisions. The primary focus is learning significant spreadsheet competence augmented with an introduction to desktop database software. Classes are conducted in a networked computer laboratory using current desktop decision-support software such as Microsoft Excel and Access. Prerequisite: Knowledge of keyboarding and basic spreadsheet skills.

3300 INTRODUCTION TO COMPUTER ARCHITECTURE AND PROGRAMMING MIS 3300 is required for MIS majors in both the Telecommunications and Computer Networking concentration and the Business Analysis concentration. MIS 3300 is recommended for MIS majors in the Application Development concentration as a major elective. The course is also available to non-MIS majors. The goal of MIS 3300 is to provide the student with an introduction to the inner workings of digital computers from both a hardware and a software perspective. Binary data representations are discussed in preparation for this introduction. The hardware focus is primarily on the central processor and primary memory with less emphasis on input and output. The software focus builds from elemental machine language through assembly and the C programming language with an emphasis on structured program design, not detailed C syntax. Operating system functionality is also briefly introduced. MIS 3300 is not intended to replace a course in C programming and, in fact, is recommended as preparation for the study of any high-level programming language.

3301 COBOL I This course is one that may be taken to fulfill the programming requirement in the MIS major. Students learn COBOL programming through lab activities, programming clinics, and lectures. This course emphasizes programming logic and well-structured, modular, and informatively documented programs that produce well-formatted business reports. Program design is achieved through program plans, structure charts, and printer spacing charts.

3321 MANAGING SYSTEMS AND TECHNOLOGY This course is required for all business majors as a part of the business core (accounting majors must take Accounting Information Systems which can replace this course). The course introduces students to management information systems concepts from an enterprise-wide perspective. The course explores the integration of information systems in business to support decision-making in light of current information technology. The primary mode of instruction is discussion and lecture, with other activities serving a supporting role. **[~~UD UCA Core: R~~ (deleted effective spring 2017)]**

3335 PROGRAMMING USING SCRIPTING LANGUAGES This course is one that may be taken to fulfill the programming requirement in the MIS major. This course is one of the basic programming courses offered. It introduces students to programming using scripting languages, a common approach in modern software development that interprets instructions (rather than complies) in a run-time environment. The course will be presented using a current scripting language, such as Python, Ruby, PHP, or JavaScript. Students will learn through lecture and lab components.

3339 PROGRAMMING IN JAVA I This course is one that may be taken to fulfill the programming requirement in the MIS major. In this course students examine the JAVA programming language. Lecture and discussion are supplemented through applications of software packages and student-written programs.

3343 ADVANCED SPREADSHEET APPLICATIONS This course is an elective in the College of Business. This course is both a concept and computer-applications course relying heavily on applying an understanding of the concepts with computer software. The course will employ lectures, projects, labs, and class discussion. Students work individually and in teams. Lectures emphasize not only the conceptual and managerial aspects of analysis, but the software aspects to solve problems and analyze data. The course is a much advanced continuation of MIS 2343 Desktop Decision Support Technology. It examines, in detail, the spreadsheet tool of Pivot Tables and Pivot Charts, performing advanced calculations, and integrating spreadsheets with databases. Upon completion of

the course, you will be able to build advanced pivot tables to analyze data using data mining techniques, analyze spreadsheet information using databases, and use Visual Basic (VBA) to maneuver data between spreadsheets and databases. During the semester, you will have the opportunity to work on a project of your own where you will be able to demonstrate your understanding of the course objectives. Lecture/discussion/lab. Prerequisite: MIS 2343.

3362 PROGRAMMING IN VISUAL BASIC This course is one that may be taken to fulfill the programming requirement in the MIS major. This course uses event-driven and object-oriented programming techniques to design and code programs for graphical user interfaces. Fundamental programming concepts and system development issues are taught through the use of computer-based applications development.

3363 TELECOMMUNICATIONS AND COMPUTER NETWORKS I This is a required course for all MIS majors and is an elective for MIS minors, other business majors, and other interested students. The course introduces students to the telecommunications industry and data networking standards emphasizing the Ethernet and TCP/IP protocols. Network security and network management are emphasized along with some technical aspects of the Ethernet and TCP/IP protocols. Students are introduced to network architecture including both wired and wireless components. Both local area networking and wide area networking are discussed, with emphasis on LANs. Prerequisite(s): None.

3365 DATABASE APPLICATIONS This course is required for all MIS majors and minors, and may be taken by BS-Information Systems majors. The course emphasizes the creation, maintenance, interrogation, and use of PC-based relational database software to manage business data. The primary modes of instruction are lecture and computer-based database development activities. Prerequisites: MIS 2343 or CSCI 1480 **and** MIS 3321.

3366 WEB SITE DEVELOPMENT This course is required for majors in the Web Development/E-Commerce track and an elective option for majors in the other tracks. The course is intended for students interested in learning about web page design concepts, web server support, and FTP techniques. The instructor 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. Prerequisite: Knowledge of Windows and the Internet.

3382 INTERNSHIP IN MANAGEMENT INFORMATION SYSTEMS This course is an elective for all MIS majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be given for this course upon successful completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisites: Junior status, Consent of department chair.

4V80 MIS PROJECT This course is a potential elective for all Management Information Systems majors and are used for students who desire to complete a project. Prerequisite: Consent of department chair.

4301 COBOL II This advanced course is an elective for majors and minors. The course provides instruction in advanced programming through lab activities, programming clinics, and lectures. Concepts such as complex iteration, control breaks, data validation, table handling, updating a master file, sequential, indexed, and relative file processing, sorting, searching (algorithms and syntax), program calls, string manipulation, and elements of object-oriented programming are

discussed and practiced. This course assumes a working knowledge of COBOL. Prerequisite: Minimum of C in MIS 3301.

4328 SYSTEMS ANALYSIS AND DESIGN This course is one of the core courses required of all MIS majors. It serves as a capstone-type course that brings together many concepts explored across the MIS major curriculum. The focus of the course is on the systems development life-cycle (SDLC) and how it applies to information systems development. With the SDLC as a foundation, students are also introduced to various development approaches to include traditional/structured, object-oriented, and agile. In addition to lecture, students apply concepts through a semester-long information systems development case study and the use of a variety of software to include CASE tools. Prerequisite: MIS 3321 and either MIS 3365 or CSCI 3360. **[UD UCA Core: C]**

4329 DATABASE MANAGEMENT SYSTEMS This course is required for majors in the Programmer/Analyst track and an elective option for the other track majors and minors. The instructor assumes a basic knowledge of computer programming, systems analysis and design, and a general knowledge of computer systems and database management concepts. The course provides a review of database analysis, design, and implementation with emphasis on the relational database model. Concepts are applied using the ORACLE software package. The primary instruction method is lecture along with laboratory exercises and projects. Prerequisites: MIS 3365 or CSCI 3360, and a knowledge of computer programming.

4339 PROGRAMMING IN JAVA II This course is a continuation of MIS 3339 Programming in Java I. It is a second semester course in the object-oriented Java programming language. This class examines class relationships, interfaces, polymorphism, exception handling, and a more advanced look at Java's graphics capabilities, including applets. The course will be lab-based, hands-on programming course. Prerequisite: MIS 3339 or CSCI 2320.

4350 INFORMATION SYSTEMS TECHNOLOGY This course is an elective option for majors in all of the tracks except Telecommunications & Computer Networks (that track has no general electives in the major). The intent of the course is to provide a capstone learning experience which uses and builds on concepts acquired in prerequisite courses. Primary modes of instruction include discussion and lecture with computer-based activities serving a supporting role. Class presentations and case studies are commonly a part of this class. Prerequisites: MIS 3300 or CSCI 1470; MIS 3321, MIS 3328.

4355 PROJECT MANAGEMENT This course is both a concept and computer-application course relying heavily on applying the understanding of the concepts with computer software. The course will employ lectures, case review, team projects, and class discussion. Students work individually and in teams. Lectures emphasize not only the managerial aspects, but the software aspects to solve problems and manage projects. An emphasis is placed on the nine knowledge areas: project integration, scope, time, cost, quality, human resources, communication, risk and procurement management. Upon completion of the course, you will be able to apply Project Management techniques and use Microsoft Project to develop timelines, network diagrams, and critical path analysis. During the semester, students will have the opportunity to work on a project of their own where they will demonstrate understanding of the course objectives. Lecture/discussion. This course is required in both the BBA-MIS and BS-Information Systems majors. Prerequisites: Either [MIS 3321 and MGMT 3340] or MATH 4373. **[UD UCA Core: Z]**

4360 PRINCIPLES OF INFORMATION SECURITY This elective course offers an in-depth study of the nature of organizational information security issues as well as exposure to the various aspects of developing, planning, and implementing an organizational information security program. It has broad applicability to managers, IT personnel, and line workers alike as much of today's "knowledge work" centers around the handling of individual and organizational data and information. In addition to providing exposure to the realm of information security topics, the course also allows for hands-on lab exercises that bring the topics to life. Specifically, students will be exposed to topics such as risk management methods and processes, tradeoffs between security goals and organizational goals, network security tools and technologies, and contemporary legal, ethical, and professional issues in information security.

4362 SPECIAL TOPICS IN VISUAL BASIC.NET This course is an elective option for majors in all of the tracks, and minors (the Telecommunications & Computer Networks track has no general electives in the major). The course provides students with the opportunity to go beyond the basics of VB.Net and learn tools and techniques useful to VB.Net programmers. The course builds on MIS 3362 to provide students exposure to accessing and updating a relational database, building Web applications, creating browser-based Help files, creating professional-looking reports and more. Prerequisites: C or better in MIS 3362.

4363 TELECOMMUNICATIONS AND COMPUTER NETWORKS II This is a required course for all MIS majors in the Telecommunications and Computer Networking concentration, and is an elective for others who have successfully completed MIS 3363. After a quick review of MIS 3363 topics, students study TCP/IP and routing decisions in significant detail. Internal network messaging using TCP, UDP, and IP headers is discussed. Routing versus switching is a central consideration in this course for the purpose of understanding how large data networks (wired and wireless) are designed. Several network applications are discussed, and wide area networking is discussed in more detail. All of the material builds on the MIS 3363 foundation. Students are encouraged to sit for a network certification exam before the conclusion of the course. Prerequisite(s): MIS 3363.

4364 COMPUTER AND NETWORK SECURITY The course builds on the material covered in MIS 3363 with particular emphasis on hardware, software, data, and network security. Students learn to configure security on servers, switches, access points, workstations, and Apple iOS. Various defenses including host, application, data, and perimeter are discussed and tested. Access control, identity management, physical security, assessments and audits are also discussed and tested so that students are prepared to pass the Security Pro certification exam. The Security Pro certification exam is given as the final to MIS 4364. Prerequisite: MIS 3363.

4366 E-COMMERCE AND ADVANCED WEBSITE DEVELOPMENT This course is required for MIS majors in the Web Development/E-Commerce track and an elective option for majors in the Programmer/Analyst track and minors. The course provides students the opportunity to go beyond the basics of HTML, JavaScript, and XML, by learning tools and techniques useful in Web design and development for Intranets, Extranets and the Internet, with attention to E-Commerce. The course is designed to help meet the needs of those students who hope to become Website designers, developers or managers. The course content should help students integrate materials and learning experiences from prerequisite courses to develop Web design and development skills valuable in the private or public sector. Prerequisite: C or better in MIS 3366.

4367 ADVANCED WEB DESIGN WITH DATABASES This course is an elective in the College of Business. It is both a concept and computer-applications course relying heavily on applying an

understanding of the concepts with computer software. The course will employ lectures, projects, labs, and class discussion. This course concentrates on the linkage between web browsers (such as Internet Explorer or Firefox), web servers (such as Apache), and a back-end database. Many (if not most) organizational web sites allow users to interact, such as purchasing something online or adding an email address. These interactions require the web server to connect to and use a database. This course covers writing web server programs that receive information from a web browser and connecting/interacting with a database, in a computer language such as PHP. Upon completion of the course, you will be able to set up a web server and interact with both a browser and database. While knowledge of databases is recommended, it is not required. Lecture/discussion/lab. Prerequisite: MIS 3366.

4370 ADVANCED TOPICS IN INFORMATION SYSTEMS This course is an elective option for majors in the Programmer/Analyst track and the End-User/Internet track. In this course students investigate timely advanced information systems topics. Teaching methodology can include lecture, projects, presentation, and research as appropriate for the current topics selected by the instructor. Prerequisites: MIS 3321 and 3328.

4380 BUSINESS INTELLIGENCE This course focuses on business intelligence (BI), which is a broad category of technologies, applications, and processes for gathering, storing, accessing, and analyzing data to help users make better decisions. The concept of BI is explored both at the micro level (individual applications) and at the macro level (enterprise-wide implementations). More specifically, the course offers coverage of organizational imperatives for BI, frameworks for implementation, specific BI technologies, and addresses management concerns such as measurement, performance, and individual/organizational impacts. Hands-on experience is provided through software projects that use several leading-edge technologies. Extensive use of case study analysis also provides real-world application of BI concepts presented in the textbook. Prerequisite(s): MIS 3321 or MATH 4373 or consent of the instructor.

4382 INTERNSHIP IN MANAGEMENT INFORMATION SYSTEMS This course is an elective for all MIS majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be given for this course upon successful completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisites: Senior status, Consent of department chair.

4390 SPECIAL PROBLEMS IN MANAGEMENT INFORMATION SYSTEMS This course is an elective option for majors in all tracks used by students wishing to earn departmental recognition in MIS. Students conduct a guided study of an information systems topic. Students must be invited to enroll in MIS 4390 by an MIS professor. Prerequisite: Consent of department chair.

Marketing

URL: http://uca.edu/ubulletin/courses/marketing/

[1] Courses in Marketing (MKTG)

2350 BASIC MARKETING An elective course not open to business majors. A required course for marketing minors and an elective course for management minors. 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.

2376 BUSINESS INNOVATION AND CREATIVE THINKING A required course in the Innovation and Entrepreneurship major, this course is designed to lead the student through the tasks that are required to successfully build a business around an innovation. More specifically, this course is designed to introduce students to the practices necessary to identify business problems and stimulate and manage the creativity and innovation process in a business. You will be given frameworks and methods for designing, developing, and implementing innovation in real work situations. The aim of the course is to provide you with the perspective and skill base necessary to manage innovation-focused projects, people, and ventures. The course will emphasize how innovation tools and methods can be successfully employed in real work situations. Prerequisite: sophomore standing.

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 or CSCI 2320; ECON 2320, 2321; QMTH 2330.

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.

3355 MARKETING AND NEW MEDIA:SOCIAL MEDIA AND EMERGING TRENDS This is an elective course in the Marketing Major and Minor. The course examines types of media that are relatively new for marketers including social media, social networks, blogs, podcasts, websites, guerilla marketing, branded entertainment, etc. This course will teach marketing students how to create and maintain a social media presence for business. Students will learn to use social media and content marketing to grow their business and engage with customers while examining emerging trends in non-traditional marketing media. Prerequisite: MKTG 2350 or 3350.

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.

3360 FUNDAMENTALS OF STRATEGIC SELLING An elective course in the marketing major and minor. The course is offered to those students who want a deeper understanding of how personal selling and sales management relate to the other functional business areas. It examines strategic selling concepts and fundamental practices. The course explores terminology, associated technology (including information technology), and practical applications. Methods of instruction include lecture, discussion, workshops, and a semester project. Prerequisite: MKTG 2350, 3350, or consent of instructor.

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 2350 or 3350.

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 2350 or 3350.

3373 PUBLIC RELATIONS An elective course in the marketing major and minor. Course surveys public relations strategies and tactics used as management tools and analyzes methods employed by profit and nonprofit organizations relating to stockholders, prospective investors, employees, communities, customers, and government agencies. Uses lecture, discussion, and a required group project. Prerequisite: MKTG 2350 or 3350.

3376 NEW PRODUCT DEVELOPMENT This course serves as the second course in the idea generation sequence of the Innovation and Entrepreneurship program. It builds upon and expands the creative mind set, techniques, and collaborative processes acquired in the Business Innovation and Creative Thinking course. This course teaches and provides a complete hands-on experience of the total design process– consumer empathy and insights, problem framing and definition, development of options and ideas, prototypes, and iterations–that will result in a number of new products and services ideas. Prerequisites: MKTG 2376; Junior standing.

3382 INTERNSHIP IN MARKETING An elective in the marketing major. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved CBA Student Internship. Prerequisite: Junior standing.

4V90 SPECIAL PROBLEMS IN MARKETING An elective course in the marketing major and minor. Students conduct a guided study of a marketing-related topic. Used primarily by students wishing to earn departmental recognition. Prerequisite: Consent of department chair.

4320 SELECTED TOPICS IN MARKETING An elective course in the marketing major and minor. Course uses a lecture/discussion approach to examine topics not included in other marketing courses. Prerequisite: MKTG 2350 or 3350.

4353 MARKETING RESEARCH AND DATA MANAGEMENT A required course in the marketing major and an elective in the marketing minor. Course involves the application of research methodology to marketing and management problems. Includes research design, questionnaire construction, sample design, and quantitative data analysis. The goal of the course is to give students the tools either to perform marketing research projects or to interpret the output of such projects. The course involves lecture, discussion, several workshops, computer applications via SPSS, and a group project. Prerequisite: MKTG 3350.

4354 CONSUMER BEHAVIOR A required course in the marketing major and an elective in the marketing minior. Examines demographic, psychographic, and cultural forces that influence the behavior of customers. Includes internal and external forces and explains the consumer decision process. Uses lecture, discussion, and a required group project. Prerequisite: MKTG 2350 or 3350.

4355 MARKETING MANAGEMENT A required course in the marketing major and an elective in the management major. Focuses on applying marketing concepts to business cases and studying

the managerial implications of product, pricing, distribution, promotion, and their relationships to customers and business environment. Uses lecture, discussion, and student group work/presentations. Prerequisites: MKTG 3350 plus 6 hours of marketing or consent of instructor. **[UD UCA Core: C]**

4360 HEALTH CARE MARKETING An elective in the marketing major and minor. Course uses applications of basic theoretical and practical marketing knowledge to the health care industry and gives students an exposure to contemporary health care marketing literature. The goal of the course is to orient students to the marketing and management of health care services. The format of the course includes lecture, discussion, presentations by health care practitioners, and an in-depth examination of health care marketing and management literature. Prerequisite: Consent of instructor.

4361 MARKETING PLANNING FOR HEALTH CARE ORGANIZATIONS An elective in the marketing major and minor. Examines the process of developing a health care marketing plan and has the goal of equipping students with the knowledge of how to construct a business marketing plan. Uses a combination of lecture, discussion, presentations by health care practitioners, case studies, and a group project, which involves writing a business marketing plan for a health care institution. Prerequisite: Consent of instructor.

4362 SERVICES MARKETING An elective course in the marketing major and minor and in the logistics and supply chain management 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 2350 or 3350.

4370 FUNDAMENTALS OF DIRECT MARKETING An elective course in the marketing major and minor. The course provides an understanding of the strategies, tactics, processes, and technologies associated with direct marketing. Lectures, videos, and practical exercises are used in examining fundamental concepts, principles, business considerations, and associated practical applications. Prerequisite: MKTG 2350, MKTG 3350 or consent of instructor.

4382 INTERNSHIP IN MARKETING An elective course for marketing majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved CBA Student Internship. Prerequisite: Senior standing.

Middle/Secondary Education

URL: http://uca.edu/ubulletin/courses/middle-secondary-education/

[1] Courses in Middle/Secondary Education (MSIT)

3310 LEARNING AND DEVELOPMENT This course is designed to enable candidates to analyze, use, and incorporate an inclusive understanding of key theories of learning and how these theories deal with principles of development and influence teacher decision making for middle-grade and secondary students. The methodology used will model developmentally appropriate middle-

level and secondary instructional strategies. Various teaching practices may be used such as cooperative learning, small and large group work, individual study, presentations, and simulations. **[UD UCA Core: D, R]**

3320 INTRODUCTION TO TEACHING AT THE MIDDLE LEVEL This course is an introductory course in middle level education. It will provide an overview of the characteristics of a middle school program as compared to the traditional junior high program. Alternative assessment strategies will be examined as well as components of scheduling, curriculum design, and strategies for working with a uniquely diverse population.

4305 CLASSROOM MANAGEMENT This course focuses on principles of classroom organization and management, building classroom rapport, fostering human relations skills, developing preventive approaches to classroom discipline, and using alternative classroom discipline approaches. Taken as part of Professional Block II. Prerequisite(s): Completion of Block I.

4310 INTEGRATED METHODS FOR LANGUAGE ARTS AND SOCIAL STUDIES This course serves as a study of methods used in the teaching of middle-level language arts and social studies. It addresses basic models, strategies, and skills necessary for teaching language arts and social studies in an integrated curriculum. It is part of Professional Block III. Prerequisite(s): Completion of Blocks I and II.

4311 INTERNSHIP I This course is part of the senior block for candidates in middle level education. Course involves field projects, field seminars, and supervised teaching where candidates gain knowledge of middle-school history and philosophy and gain experience in organizing instruction, in creating a productive learning environment, and in achieving professional behaviors. Prerequisites: Completion of Block I and II courses.

4312 STRATEGIES FOR READING AND WRITING ASSESSMENT AND INSTRUCTION Theory, demonstration, and practice/performance in group and individual procedures, assessment, strategies, and techniques of diagnosis and correction of reading/writing difficulties. Course taken concurrently with MSIT 4311. Prerequisite: Admission to Teacher Education.

4321 CLASSROOM ASSESSMENT Upper level study of the design, implementation, and analysis of classroom assessment strategies and instruments in the middle and secondary classroom. The course will include lecture, discussion, collaboration, and field experiences. The course is taken as part of the Professional Block III. Prerequisite(s): Completion of Blocks I and II. **[UD UCA Core: I]**

4325 DISCIPLINARY LITERACY This course is intended to equip teacher candidates with research-based strategies for addressing literacy in the content classroom and supply the candidates with the knowledge, skills, and dispositions needed to plan and teach within an integrated context. Candidates will participate as members of interdisciplinary teams in the design of lesson activities and integration of literacy strategies that cross disciplinary lines. This course will include lecture, discussion, group work, and field experiences. **[UD UCA Core: C]**

4328 ADVANCED STRATEGIES FOR TEACHING AND LEARNING IN MIDDLE LEVEL CONTENT SPECIFIC CLASSROOMS Teacher candidates preparing to teach in middle level content specific classrooms will examine and experience advanced teaching and learning strategies necessary for contemporary middle level learners. Candidates will gain the knowledge, skills,

tools,and techniques appropriate for effective teaching and learning in language arts, math, science, and social studies classrooms. Prerequisite: Admission to Teacher Education.

4612 INTERNSHIP II This course involves teaching under supervision in a public middle school (grades 4-8). Requires full-day involvement and seminars. Taken concurrently with 4613. Prerequisite: Completion of all designated professional education and specialty courses. **[UD UCA Core: Z]**

4613 INTERNSHIP II This course involves teaching under supervision in a public middle school (grades 4-8). Requires full-day involvement and seminars. Taken concurrently with 4612. Prerequisite: Completion of all designated professional education and specialty courses. **[UD UCA Core: Z]**

Music (MUS)

URL: http://uca.edu/ubulletin/courses/music-mus/

[1] Courses in 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.

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.

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. To be taken concurrently with MUS 1233. Prerequisites: MUS 1230 and 1231.

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.

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.

2210 INTRODUCTION TO MUSIC TECHNOLOGY 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.

2211 INTEGRATION OF MUSIC TECHNOLOGY INTO TEACHING AND LEARNING Required of all music education majors. This course is designed to integrate music technology into classrooms specifically to enhance the instruction and learning for all grade levels (P-12). Teacher candidates will demonstrate the use of technology to plan, assess, and conduct classroom activities, and to make connections between technology and specific grade levels in music education. This course will also prepare music education students for their upper division academic music classes as well as the integration of technology into methods classes. This course must therefore be taken in the sophomore year before the junior block of methods courses. Prerequisite: EDUC 1240 or passing score on the Education Technology Competency Exam.

2233 COMPOSITION CLASS Required of all performance majors. Composing music for instrumental and vocal media, working from smaller to larger forms, and focusing on twentieth century styles and materials. Methods of instruction are lecture and music composition. Prerequisite: MUS 3210.

2311 MUSICAL DEVELOPMENT AND LEARNING This course is designed to enable candidates to analyze, use, and incorporate an inclusive understanding of key theories of learning and how these theories deal with principles of development and influence teacher decision-making for elementary, middle-grade, and secondary students. The methodology used will model developmentally appropriate elementary, middle-level, and secondary instructional strategies for the music classroom. Various teaching practices may be used such as cooperative learning, small and large group work, individual study, presentations, and simulations.

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, and laboratory. Prerequisites: MUS 1232, 1233.

2431 THEORY IV Core requirement of all music majors. Continuation of Theory III. Ninth, eleventh, and thirteenth chords and advanced modulation. Analysis of small and large forms of the Baroque, Classical, and Romantic periods. Ear training, sight-singing, keyboard harmony, and composition projects are correlated with written work. Methods of instruction include lecture, discussion, and laboratory. Prerequisite: MUS 2430.

3210 COUNTERPOINT I Upper-division elective for music majors. A study of the principles of strict contrapuntal writing in two, three, and four voices as composed in the sixteenth and eighteenth centuries. Methods of instruction include lecture, discussion, and laboratory. Prerequisite: MUS 2431. **[UD UCA Core: I]**

3230 FORM AND ANALYSIS Upper-division elective for music majors. Examination of representative twentieth-century analytical and compositional techniques, including set theory, 12-tone theory, polyharmony, linear counterpoint, multi-rhythms, and aleatoric devices. Methods of instruction include lecture and discussion. Prerequisite: MUS 2430.

4210 INSTRUMENTAL ARRANGING Required of instrumental performance majors and may be chosen as an optional requirement for instrumental music education majors. Study of band and orchestra instruments in regard to ranges and standard orchestration techniques from the baroque to present. Course is taught in lecture/discussion format. Prerequisite: All previous theory courses.

4214 INTRODUCTION TO ELECTROACOUSTIC MUSIC Upper-level music theory elective. The course focuses on the basics of creating, manipulating, and refining music with computers and other technologies. Methods of instruction are lecture and discussion. Prerequisites: MUS 2431 and either MUS 2210 or 2211. **[UD UCA Core: C, I]**

4215 CHORAL ARRANGING Required of vocal performance majors and may be chosen as an optional requirement for vocal music education majors and piano 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.

4311 INTRODUCTION TO LINEAR ANALYSIS Upper level music theory elective. The course focuses on the interaction of harmony and counterpoint as the underlying basis of common practice tonal music. Emphasis on analysis at surface and reductive levels. Methods of instruction are lecture and discussion. Prerequisites: MUS 1230-1233, 2430-2431. **[UD UCA Core: I]**

[2] Courses in 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. Maybe a substitute for the Fine Arts General Education requirement.

2300 MUSIC APPRECIATION Option in the UCA Core satisfying the Diversity in Creative Works requirement as a fine arts elective. 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. **[ACTS: MUSC1003]**

2305 MUSIC OF CHINA A survey of music culture in China, with special emphasis on the role of music in society, Chinese folk traditions and instruments, and the current influences of Western music on Chinese culture. Lecture.

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.

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. **[UD UCA Core: D, C]**

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. **[UD UCA Core: D, C]**

3345 AMERICAN MUSIC: A PANORAMA American Music is a survey course of music in the United States rooted in folk and popular styles. It is designed for both music majors and non-majors. The purposes of the course are to develop musical perception and to provide a better understanding of the role of music in American culture. It is particularly suitable for non-majors seeking upper division credit and also serves as an upper division elective for the BA in music or the BM in performance. Prerequisite: None.

4203 PIANO LITERATURE Required for BM piano performance majors and BM education majors with a piano emphasis. Suitable for BA music majors with piano as applied major, with consent of instructor. 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.

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.

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.

4304 HISTORY OF ROCK MUSIC Upper-division general education and music 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.

[3] Courses in Pedagogy

1141 DICTION FOR SINGERS I Requirement for all BM vocal performance and vocal track music education 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.

1142 DICTION FOR SINGERS II Required for all BM vocal performance and vocal track music education 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.

2150 STRING CLASS Required of all BM education instrumental music majors. Elective for BM performance instrumental majors or BA music majors who want to learn to play a string instrument other than their major instrument. Pedagogy course which introduces students to the teaching and performing of all standard string instruments, string pedagogy, string terminology, knowledge of the instruments, and their maintenance and purchase. Method of instruction includes diagnostic and corrective procedures. Prerequisite: None for BM education majors, consent of the instructor for BM performance or BA music majors.

2170 BRASS CLASS I Required for all BM education instrumental majors. Course emphasizes learning basic performance skills and pedagogical techniques for the five major brass instruments in preparation for teaching, with a concentration on the upper brass instruments. Method of instruction includes diagnostic and corrective procedures. Students are required to perform on instruments, to participate in teaching exercises, and to accumulate a permanent file of information.

2171 BRASS CLASS II A continuation of Brass Class I, with a concentration on lower brass instruments.

2180 WOODWIND CLASS I Required for all BM education instrumental majors. Course emphasizes learning basic performance skills and pedagogical techniques for the five major woodwind instruments in preparation for teaching with a concentration on single reeds and flute. Method of instruction includes diagnostic and corrective procedures. Students are required to perform on instruments, to participate in teaching exercises, and to accumulate a permanent file of information.

2181 WOODWIND CLASS II A continuation of Woodwind Class I, with a concentration on double reeds.

2199 PERCUSSION CLASS Required of BM education instrumental major. The course introduces students to the teaching, maintaining, purchasing, and performing of percussion instruments. Emphasis is placed on the knowledge of instruments, their literature, and their pedagogy. The course is presented through lecture, performance demonstration, and lab teaching.

3201 CHORAL AND INSTRUMENTAL CONDUCTING Required of all BM music education and performance majors, upper division elective for BA music majors. Introduces students to the basic requirements of the conductor of both choral and instrumental ensembles. Presented in lecture and laboratory format. Prerequisite: Upper-division status.

3205 ADVANCED CONDUCTING METHODS FOR THE SCHOOL BAND Elective for BM brass/woodwind/percussion music education majors. Includes wind band repertoire, advanced instrumental conducting techniques, and advanced technology applications as they relate to educational issues in the school band setting. Course content is divided into three learning wheels: music repertoire and selection for the school band, conducting/error detection/score study, and advanced technology and rehearsal techniques for the school band. Prerequisite: MUS 3201. May be repeated for credit.

3251 CONCEPTS OF MUSIC IN EARLY CHILDHOOD EDUCATION Methods of instruction and materials available for use in elementary school. Students with little or no background in music fundamentals are encouraged to enroll in MUS 1300.

3304 SECONDARY INSTRUMENTAL METHODS IN MUSIC EDUCATION Required of all BM music education instrumental majors. The course provides the skills to successfully organize and administer a school band program from beginning band through high school band. Learning strategies include lecture, research, microteaching practicums, and observations in the local schools. Prerequisite: MUS 3305, upper division status, admission to the teacher education program, Undergraduate conducting is recommended prior to this class.

3305 ELEMENTARY METHODS OF MUSIC EDUCATION Required of all BM education majors. Philosophy, materials, techniques, and methods of instruction for an elementary general music program appropriate for grades K-6. Methods of instruction include lecture, demonstration, listening, and laboratory. Prerequisite: Upper division status, admission to the teacher education program.

3306 SECONDARY CHORAL METHODS IN MUSIC EDUCATION Required of all BM education vocal music majors. Philosophy, materials, techniques, and methods of instruction in choral and general music courses in the junior and senior high school music program. Prerequisite: MUS 3305 and admission to the teacher education program.

3308 ORCHESTRAL METHODS AND MATERIALS Required of BM education majors who plan to conduct orchestral studies in the public schools. Orchestral and string material including administration, auditioning, recruiting, and repertoire selection for elementary, middle school, and high school orchestras. Methods of instruction include lecture, demonstration, listening, and laboratory. Open to string majors and minors only and other music education majors by request.

4160 VOCAL PEDAGOGY Required of all BM vocal music majors, performance and education emphasis. Physiological and psychological aspects of voice teaching techniques considered from a historical, evolutionary, and comparative point of view. Diagnostic and corrective procedures. Methods of instruction include lecture, discussion, observation, and guided student teaching.

4202 PIANO PEDAGOGY Required of all BM piano majors, performance and education emphasis. Through lecture and reading, the course introduces the student to piano teaching methods and issues relating to learning the craft of teaching beginning through advanced piano students. Students will do observed student teaching in class.

4204 INSTRUMENTAL PEDAGOGY AND REPERTOIRE Required of BM performance instrumental majors. Includes a survey of pedagogical materials, repertoire, and schools of instrumental performance and instruction in the student's major instrument. Presented in lecture and laboratory format by applied music instructors. Prerequisite: Upper-division standing.

4206 MARCHING BAND TECHNIQUES General education elective for the BM education instrumental major. Program development, teaching strategies, drill design, and computerized drill as performance to the school marching band. Learning strategies include lecture, guided projects, computerized instruction, and discussion.

4340 INTERNSHIP I Students will gain experience in organizing instruction, in creating a productive learning environment, in teaching for student learning and skill building, and in achieving professional behaviors for the discipline of teaching vocal, choral and instrumental music. It requires time in the public school setting. Students must be concurrently enrolled in either MUS 3304, 3306 or 3308. Prerequisites: Admission to teacher education and completion of designated professional education and specialty courses. **[UD UCA Core: I, C]**

4690 INTERNSHIP II This course involves teaching under supervision in a public school setting. It requires full day involvement and seminars. It is taken concurrently with MUS 4691 Internship II. Prerequisites: Admission to teacher education and successful completion of MUS 4340 Internship I. **[UD UCA Core: Z]**

4691 INTERNSHIP II This course involves teaching under supervision in a public school setting. It requires full day involvement and seminars. It is taken concurrently with MUS 4690 Internship II. Prerequisites: Admission to teacher education and successful completion of MUS 4340 Internship I. **[UD UCA Core: Z]**

[4] Special Courses

1000 MUSIC RECITAL ATTENDANCE This course is designed to provide students with opportunities to develop and model appropriate concert etiquette as audience members, to develop their critical listening skills in music, and to broaden their musical listening experiences in a live musical environment. Additionally the course will ensure that students experience a broad range of music repertoire presented in live performances by large ensembles, chamber music groups, and soloists from among UCA faculty and students as well as from guest artists.

4V21 WORKSHOP IN MUSIC (Variable credit: 1-3 credit hours.) Available as an elective for BM majors. Problems in music to be determined by the student(s) enrolled. Each instructor determines the method of teaching.

4102 SENIOR RECITAL Represents the final applied music project for BM or BA majors. A public recital (suggested minimum duration, BM: 45 minutes) will be evaluated by a faculty jury. The program will include program notes prepared by the student. Prerequisite: Completion of junior-level applied study and approval of the applied teacher. BM education majors may substitute a senior project at the discretion of their applied teacher. **[UD UCA Core: Z]**

4108 SENIOR PROJECT This course is designed to be the final project for BM in Education and BA music majors who elect this option in lieu of a senior recital. A project of considerable scope will be required. The actual form of this project could take several directions: extensive analytical research paper, experimental research study, lecture-recital, or other creative project related to the student's major area of concentration. The specific topic and nature of the project will be submitted to a faculty committee appointed by the department chair for approval, prior to registration. Prerequisite: Completion of junior-level applied study, theory and history. **[UD UCA Core: Z]**

4110 WORKSHOP IN MUSIC EDUCATION Available as an elective for BM education majors. Problems in music education to be determined by student(s) enrolled. Each instructor determines the method of teaching.

4310 SPECIAL STUDIES IN MUSIC Available for exceptional undergraduate music majors to investigate a selected area within their field, to complete and present an honors research paper or an honors recital which includes a written report. To be done with the approval of the departmental honors committee and the supervision of music faculty member. Prerequisite: 3.0 accumulative G.P.A., 3.2 music G.P.A., successful proposal submitted to and approved by departmental honors committee.

4315 INTRODUCTION TO KODALY First course toward the 18-hour certification in the Kodaly Concept. Introduces students to the basic pedagogical practices used in the primary grades. Other courses include Kodaly Concept I, II, III (2 hrs. credit for each), Solfege I, II, III (2 hrs. for each)

and Folk Song Research (3 hrs. credit), and Early Childhood Methods and Materials or Children's Choral Music (2 hrs. each) – one or the other must be selected. Workshop format. Prerequisite: Bachelor's degree.

[5] Applied Classes (group instruction)

1131, 1132 PIANO CLASS I AND II Remedial classes for music majors which do not count toward music degrees. These courses cover functional skills such as sight reading, harmonization, improvisation, technique, basic knowledge of harmonic materials (chords, scales, arpeggios, cadences), and repertoire. These classes are conducted as laboratories. No prerequisite for MUS 1131. Non-majors require consent of instructor.

2133, 2134 PIANO CLASS III AND IV Music majors only. The normal entry level for adequately prepared music majors. Emphasis is given to basic keyboard repertory that demonstrates contrasting styles and textures from various periods. Piano Class IV culminates the work in preparation for proficiency at the keyboard demanded for BM education teaching requirements. Successful completion of Piano Class IV with a grade of C or higher represents fulfillment of the piano proficiency requirements.

Music (MUSA)

URL: http://uca.edu/ubulletin/courses/music-applied-lessons/

[1] Courses in Music – Applied Lessons (individual instruction)

Note: The 2000-level courses are for freshmen and sophomores; the 4000-level courses are for juniors and seniors.

Required of all majors and minors (number of hours varies according to major or emphasis; see the Department of Music page in this *Undergraduate Bulletin*). Available as an elective to non-majors depending upon studio availability. Teaching technique varies depending upon the major instrument or voice and the specific instructor. In addition, registration in applied lessons requires an additional registration for a large conducted ensemble. Prerequisite: Consent of instructor.

2V01 PICCOLO Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V02 FLUTE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V03 OBOE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V04 CLARINET Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V05 SAXOPHONE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V06 BASSOON Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V10 TRUMPET Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V11 HORN Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V12 EUPHONIUM Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V13 TROMBONE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V14 TUBA Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V20 PERCUSSION Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V30 PIANO Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V40 VIOLIN Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V41 VIOLA Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V42 VIOLONCELLO Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V43 STRING BASS Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2V50 VOICE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V01 PICCOLO Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V02 FLUTE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V03 OBOE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V04 CLARINET Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V05 SAXOPHONE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V06 BASSOON Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V10 TRUMPET Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V11 HORN Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V12 EUPHONIUM Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V13 TROMBONE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V14 TUBA Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V20 PERCUSSION Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V30 PIANO Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V40 VIOLIN Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V41 VIOLA Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V42 VIOLONCELLO Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V43 STRING BASS Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

4V50 VOICE Applied lessons. (Variable credit: 1, 2, or 4 credit hours.)

2260 COMPOSITION APPLIED INSTRUCTION A required course for music composition majors. One-on-one instruction for intermediate undergraduate students. Course may be repeated for credit. Prerequisites: MUS 2233 and permission of instructor.

4260 COMPOSITION APPLIED INSTRUCTION An elective for music majors. One-on-one instruction in composition for intermediate or advanced students. Course may be repeated for credit. Prerequisites: MUS 3210 Counterpoint I and MUS 3233 Composition, or permission of instructor.

4460 COMPOSITION APPLIED INSTRUCTION A required course for music composition majors. One-on-one instruction for advanced undergraduate students. Course may be repeated for credit. Prerequisites: MUSA 2260 and permission of instructor.

Music (MUSE)

URL: http://uca.edu/ubulletin/courses/music-muse/

[1] Courses in Music – Ensemble

Note: The 2000-level courses are for freshmen and sophomores and may be repeated for credit four times. The 4000-level courses are for juniors and seniors and may be repeated for credit four times.

2101, 4101 MARCHING BAND By audition. Official band for all school athletic events. Fulfills large ensemble requirement for music majors. Prerequisite: Consent of the conductor.

2102, 4102 WIND ENSEMBLE By audition. Fulfills large ensemble requirement for music majors. Prerequisite: Consent of the conductor.

2103, 4103 SYMPHONIC BAND/CONCERT BAND By audition. Fulfills large ensemble requirement for music majors. Prerequisite: Consent of the conductor.

2111, 4111 UNIVERSITY CHORUS 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. Fulfills large ensemble requirement for music majors. Prerequisite: Consent of the conductor.

2110, 4110 CONCERT/CHAMBER 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. Fulfills large ensemble requirement for music majors. Prerequisite: Audition for the conductor.

2109, 4109 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.

2104, 4104 JAZZ ENSEMBLE 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.

2107, 4107 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.

2105, 4105 WOODWIND CHAMBER*

2106, 4106 BRASS CHAMBER*

2121, 4121 STRING CHAMBER*

2130, 4130 PERCUSSION/STEEL BAND CHAMBER*

2141, 4141 PIANO CHAMBER*

*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.

2120, 4120 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.

2140, 4140 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.

2112, 4112 OPERA 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.

Nuclear Medicine Technology

URL: http://uca.edu/ubulletin/courses/nuclear-medicine-technology/

[1] Courses in Nuclear Medicine Technology (NMT)

4100 SENIOR SEMINARS Comprehensive study of medical informatics, healthcare administration, health sciences research methods, and how each applies to the practice of nuclear medicine technology.

4210 PRACTICUM I Introduction to clinical imaging.

4215 RADIATION HEALTH PHYSICS Principles involved in minimizing exposure to patient, self, and environment are discussed. Included are techniques for measuring levels of radioactive contamination, procedures for decontamination, and a general overview of government regulations regarding exposure and material handling. Laboratory included.

4220 RADIOBIOLOGY Biological effects of the exposure of living tissue to ionizing radiation, including chronic and acute effects and the relative sensitivity and resistance of organ systems, tissues, and cells to radiation.

4315 INSTRUMENTATION/STATISTICS I Principles of operation and quality control of non-imaging nuclear medicine equipment to include statistical applications.

4320 INSTRUMENTATION/STATISTICS II Principles of operation and quality control of collimated radiation detectors with emphasis on statistical applications.

4325 IN VIVO NUCLEAR MEDICINE II Continuation of In Vivo Medicine I.

4330 RADIOIMMUNOASSAY Methodology involved in radioimmunoassay to include competitive binding, antigen-antibody reactions, and radioligand procedures. Includes the operation of laboratory instruments and equipment

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

4415 PATIENT CARE Principles and techniques of patient care including cardio-pulmonary resuscitation (CPR) certification, patient transport, ECG monitoring, physical assessment, pharmacology, venipuncture, and IV therapy. Emphasis is placed on skills that are 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.

4430 RADIOPHARMACY/RADIONUCLIDE THERAPY Fundamental principles of radiopharmacology, including radiopharmaceutical preparation and quality control, biochemical and physiological properties of radiopharmaceuticals, methods of localization and alterations of distribution, and the therapeutic use of radionuclides in medicine.

4435 IN VIVO NUCLEAR MEDICINE III Continuation of In Vivo Nuclear Medicine II.

4440 FUNDAMENTALS OF COMPUTED TOMOGRAPHY Comprehensive study of the theory and methodology of performing Computed Tomography scans with emphasis on technical protocols, imaging parameters, cross sectional anatomy, X-ray physics, CT radiation safety, contrast administration, patient care and safety, CT scanner technology, and instrumentation.

Nursing

URL: http://uca.edu/ubulletin/courses/nursing/

[1] Courses in Nursing (NURS)

2305 HEALTH ASSESSMENT The student develops the knowledge and skills necessary to perform a comprehensive health history, physical examination, and environmental assessment to establish a database from which to derive nursing diagnoses. Lab experience is focused on practicing assessment techniques and comparing expected and unexpected findings . Sensitivity to patient's needs, values, and beliefs, is central to the refinement of clinical skills in health assessment. (2 credits theory, 1 credit lab with 30 clock hours). Pre-/corequisite: BIOL 2411, admission to the major.

2310 NURSING PHARMACOLOGY This theory course covers the basic principles of pharmacology and drug therapy necessary for nursing practice. Concepts include drug effectiveness, pharmacokinetics, mechanisms of action, side and adverse drug responses, drug interactions, and patient education. Prerequisite: NURS 2305 and 2505, BIOL 2411; corequisite: BIOL 4311.

2505 CONCEPTS OF PROFESSIONAL NURSING Introduces the student to essential concepts for preparing professional nurses for their multi-faceted role. Focus is on a self and peer assessment of health promoting behaviors, role development, professional values, psychomotor skills, and fundamental nursing concepts. (3 credits theory, 2 credits lab/clinical with 45 clock hours). Prerequisite: Admission to the major; pre-/corequisite: BIOL 2411.

2510 MEDICAL-SURGICAL NURSING Introduces theories and principles of nursing care of adult patients with medical and/or surgical conditions. Emphasis is on clinical reasoning to determine patient problems based on hands-on assessments in acute inpatient health care facilities. Students gain basic competencies or selected skills while in a laboratory setting and theoretical bases of medical/surgical conditions in a classroom setting, followed by application of knowledge in the patient care setting. Students gain experience in developing comprehensive plans of nursing care. (2 credits theory, 3 credits lab/clinical with 135 clock hours). Prerequisites: NURS 2305 and 2505, BIOL 2411; corequisites: NURS 2310, BIOL 4311.

3V13 SPECIAL STUDIES IN NURSING (Variable credit: 1-3 credit hours.) This course is varied to meet the needs and interests of nursing students, and may include NCLEX preparation, guided readings, and clinical practice with a preceptor. Prerequisite: Permission of the Undergraduate Director.

3101 STRATEGIES FOR NURSING TESTS SUCCESS (I-IV) An elective online independent study course focused on an analysis of the student's test-taking errors and a review of effective test taking strategies for nursing course exams and the NCLEX-RN exam. Prerequisite: Current enrollment as a UCA Nursing student.

3130 NCLEX-RN STRATEGIES (I-IV) A required, online, independent study course based on the student's results on the standardized exam(s) offered the previous semester. This course uses online resources for an intensive review of course-specific or comprehensive nursing content. Prerequisite: Scoring below the cut score on one (1) course-specific standardized exam offered the previous semester.

3201 NURSE AS EDUCATOR Provides communication skills, basic education principles, and knowledge of available resources for use in client-centered teaching. The course focuses on development and incorporation of client-centered teaching into professional nursing practice. Formal and informal health teaching with individuals, families, peers, and communities in a variety of health care settings will be examined. Emphasis is placed on identifying appropriate resources, developing patient education materials, and perfecting written and oral communication skills. Prerequisite: Completion of all 2000-level required nursing courses.

3230 NCLEX-RN STRATEGIES (I-VI) A required, online, independent study course based on the student's results on the standardized exam(s) offered the previous semester. This course uses online resources for an intensive review of course-specific or comprehensive nursing content. Prerequisite: Scoring below the cut score on two (2) course-specific standardized exams offered the previous semester.

3245 LPN TO BSN TRANSITION Builds on the Licensed Practical Nurse's previous education and experience. Emphasis is on self-reflection and collaboration of student and faculty in the development of a personal framework for professional nursing practice.

3501 MATERNAL-NEWBORN NURSING This theory/laboratory/clinical course focuses on caring for childbearing families, particularly in the areas of antepartal, postpartal, intrapartal, newborn, and family. The course uses a wellness/illness continuum and addresses cultural aspects of care with both low-risk and high-risk patients in a variety of clinical settings. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisites: Completion of all 2000-level required nursing courses and BIOL 4311; pre-/corequisite: FACS 2341 or PSYC 2370.

3505 CHILD AND ADOLESCENT NURSING This theory/laboratory/clinical course focuses on caring for children and their families, with special emphasis on the unique developmental needs and differences of infants, children, and adolescents. Concepts related to health promotion, risk reduction, disease prevention, and illness and disease management are included. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisites: Completion of all 2000-level required nursing courses, BIOL 4311, and FACS 2341 or PSYC 2370.

3510 PSYCHIATRIC-MENTAL HEALTH NURSING This theory/laboratory/clinical course focuses on nursing theories and practices in the care and treatment of patients across the life span and their families as they respond to psychiatric/mental health problems. The course assists students in effective management of patients experiencing psychosocial stressors in other settings. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisites: Completion of all 2000-level required nursing courses and BIOL 4311; pre-/corequisite: FACS 2341 or PSYC 2370.

3515 CHRONIC HEALTH NURSING AND OLDER ADULT WELLNESS This theory/laboratory/clinical course focuses on nursing care of culturally diverse adult patients across the life span who are experiencing chronic health problems and end of life issues. Additional focus is on well elderly persons in order to reduce health risks, promote health, and prevent illness. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisites: Completion of all required 2000-level nursing courses, BIOL 4311, and FACS 2341 or PSYC 2370. **[UD UCA Core: R]**

4V14 SPECIAL TOPICS IN NURSING (Variable credit: 1-3 credit hours.) This course is varied to meet the needs of nursing students, and may include NCLEX preparation and clinical practice with a preceptor. Prerequisite: Permission of the Undergraduate Director.

4101 GUIDED READING IN NURSING (I-VIII) An online book study used to stimulate thinking and promote a broadened perspective of nursing and nursing issues. Prerequisite: Current enrollment as a UCA nursing student.

4140 NCLEX-RN REVIEW OF SELECTED CONTENT (I-VI) An elective, online, independent study course focused on the review of one content area in preparation of the NCLEX-RN. Prerequisite: Good standing in the BSN program.

4220 HEALTH POLICY AND PROFESSIONAL ISSUES IN NURSING Focuses on healthcare policies and issues that directly and indirectly influence nursing practice, as well as the nature and functioning of the healthcare system. Prerequisite: All fall-semester level IV nursing courses. **[UD UCA Core: D]**

4240 NCLEX-RN REVIEW OF SELECTED CONTENT (I-VI) An elective, online, independent study course focused on the review of at least two content areas in preparation of the NCLEX-RN. Prerequisite: Good standing in the BSN program.

4245 RN TO BSN TRANSITION Builds on the Registered Nurse's previous education and experience. Emphasis is placed on self-reflection and collaboration with students and faculty in the development of a personal framework for professional nursing practice.

4250 ACLS SUPPLEMENTATION Focuses on Advanced Cardiac Life Support (ACLS) through BLS, ECK rhythm interpretation, pharmacology, and a combination of these in scenario circumstances. Assessment skills and collaborative practice are used to acquire and synthesize data, plan and provide nursing care, and evaluate outcomes of the adult patient. This course utilizes HeartCode ACLS. Successful completion paired with skills verification meets the requirements for the issuing of an American Heart Association ACLS Provider card to the participant. Prerequisites: NURS 3515, 4505.

4255 PALS SUPPLEMENTATION This course focuses on Pediatric Cardiac Life Support (PALS) through BLS, ECG rhythm interpretation, pharmacology, skills stations, and a combination of these in scenario circumstances. Assessment skills and collaborative practice are used to acquire and synthesize data, plan and provide nursing care, and evaluate outcomes of the pediatric patient. This course utilizes HeartCode PALS. Successful completion paired with skills verification meets the requirements for the issuing of an American Heart Association PALS Provider card to the participant. Prerequisites: NURS 3505, 3515.

4310 NURSING ETHICS An elective course designed primarily for nursing students. A study of ethical principles and reasoning applied to particular issues and cases related to health care and especially to nursing concerns. The course will examine standard theoretical approaches to health care/nursing ethics with an emphasis on the application of those theories to the needs of specific providers, clients, individuals, and institutions. The course will include lecture and discussion in an online format.

4314 HONORS IN NURSING The honors program offers opportunities to explore special interests in nursing through an independent project. Successful completion of the project qualifies the student to graduate with honors in nursing. This course is taught over two semesters and is part of the senior honors program in nursing. Prerequisite: Enrollment by invitation. See the Undergraduate Bulletin description of the Nursing Honors Program.

4315 RESEARCH AND EVIDENCE BASED PRACTICE Introduces research methodology and the evidence-based practice process. Emphasis is on identifying clinical practice problems, appraisal and integration of evidence, and dissemination of findings. Prerequisites: Three clinical nursing courses and a basic statistics course. **[UD UCA Core: I]**

4325 GUIDE TO ALTERNATIVE AND COMPLEMENTARY HEALTH CARE An overview of alternative/complementary health care philosophies and therapies and their role in health care today. Addresses issues of self-treatment, safety, effectiveness, and resources. Examples include nutritional supplements, massage, aromatherapy, herbal therapy, and relaxation therapy.

4330 CULTURAL AND HUMAN DIVERSITY IN NURSING An elective course which examines the influences of culture on client responses to wellness, health challenges, and health care. The effects of cultural diversity on concepts such as time, health, food, and end-of-life rituals

will be investigated. Cultural assessments and the use of these assessments in planning and implementing culturally congruent nursing care will be explored.

4335 NURSING INFORMATICS Explores the use of informatics in nursing and its role in enhancing care and quality patient outcomes. Provides a theoretical foundation and application to build basic skills for information management competencies. Topics include an overview of health information systems, information management infrastructure, the role of informatics in nursing, privacy, security, and ethical standards. Prerequisites: Level II nursing courses.

4340 HEALTH AND PHYSICAL ASSESSMENT Development and refinement of health history-taking methods, physical examination skills, health promotion techniques, and clinical assessment tools for health assessment of the whole person. The student will choreograph a head-to-toe exam for a complete screening examination as well as develop skills for focused examination of the adult.

4345 PATHOPHYSIOLOGY CLINICAL APPLICATIONS Builds on pre-licensure nursing education and experiential knowledge. Healthcare related sciences are used to understand the etiology, pathogenesis, and functional consequences of various disease states and health-related conditions. Emphasis is placed on alterations in the structure and function of the body due to illness, injury, aging, or malfunction. Prerequisite: Admission to the RN to BSN track.

4430 IMMERSION EXPERIENCE This capstone experience prepares students for transition into professional nursing practice. Opportunities are provided for synthesis of previous learning, building clinical reasoning, personal and professional development, patient-centered care, teamwork, and delivery of safe and quality care. Prerequisite: All fall semester level IV nursing courses. (1 credit theory, 3 credits clinical with 135 clock hours). **[UD UCA Core: Z]**

4505 CARING FOR ADULTS WITH COMPLEX HEALTH PROBLEMS Focuses on adult patients experiencing complex, multi-system health problems. Advanced technology, assessment skills, and collaborative practice are used to acquire and synthesize data, plan and provide nursing care, and evaluate outcomes of adult patients in acute care settings. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisite: Completion of all 3000-level nursing courses. **[UD UCA Core: C]**

4510 COMMUNITY HEALTH NURSING Focuses on synthesis of professional nursing and public health science applied to promoting and preserving the health of diverse populations across the lifespan and throughout the continuum of the healthcare environment. Addresses creative direct and indirect strategies for wellness/illness holistic care for individuals, families, groups, populations, and communities in ever changing environments. Emphasizes self-care behaviors for personal and professional practice. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisites: All fall-semester level IV nursing courses.

4515 NURSING LEADERSHIP AND MANAGEMENT This theory/laboratory/clinical course examines nursing leadership and management. The course provides innovative and practical opportunities to influence the delivery of health care and the development of health-care policy to meet the unique challenges of today’s health-care environment. (3 credits theory, 2 credits lab/clinical with 90 clock hours). Prerequisites: Completion of all 3000-level required nursing courses and NURS 4213.

Nutrition

URL: http://uca.edu/ubulletin/courses/nutrition-nutr/

[1] Courses Nutrition and Food Sciences (NUTR)

1300 FOUNDATIONS OF NUTRITION A required course for the dietetic/nutrition and general FACS major, nursing, and other health-related majors. The course includes a study of principles and application of nutritional information for personal living and relevant information for the health professional. Lecture/discussion.

2311 MEAL MANAGEMENT A required course for the dietetic/nutrition and general FACS major. The course focus is the planning, buying, preparing, and serving family meals, food for special occasions, and entertaining. Lecture/discussion and laboratory.

3310 FOOD SCIENCE A required course for the dietetic/nutrition and general FACS major. The course includes basic scientific principles applied to food preparation and an analysis of nutritional value, cost, and service of food. Lecture/discussion and laboratory. Prerequisite: C or better in NUTR 1300 and NUTR 2311.

3350 COMMUNITY NUTRITION A required course for the dietetic/nutrition major. A study of cultural and scientific aspects of food and nutrition as applied to the individual and community. Lecture/discussion. Prerequisite: C or better in NUTR 1300.

3370 LIFECYCLE NUTRITION A required course for the dietetic major. A study of nutritive needs of the individual with emphasis on the roles of nutrients in the body. Family nutrition and the periods of pregnancy and lactation, infancy, childhood, adolescence, and adulthood are included. Lecture/discussion. Prerequisite: C or better in NUTR 1300 and CHEM 1402.

3380 FOOD ECONOMICS A required course for the dietetic/nutrition major. A study of problems confronting the dietitian in regard to quantity, quality, processing methods, intended use, and cost of food production. Attention is given to methods of food preservation, preparing food in quantity, organization, and evaluation. Lecture/discussion workshop. Prerequisite: C or better in NUTR 1300 and NUTR 3310.

3390 NUTRITION AND METABOLISM A required course for the dietetic/nutrition major. This course includes a study of the principles and application of macronutrient and micronutrient metabolism, focus on the major metabolic diseases, and relevant information for the health professional. Lecture/discussion. Prerequisite: C or better in NUTR 1300, NUTR 3370, and CHEM 2450.

4301 RESEARCH IN FAMILY AND CONSUMER SCIENCES/NUTRITION A required course for the dietetic/nutrition 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: C or better in NUTR 1300, Senior standing.

4315 SPORTS NUTRITION A required course for the dietetic major and EXSS athletic training program and a recommended elective for the FACS major. The course examines the nutritional needs of exercising individuals with a focus on wellness. Lecture/discussion. Prerequisite: C or better in NUTR 1300 and Junior or Senior standing.

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:C or better in NUTR 3310 and NUTR 3380.

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: C or better in NUTR 3370 and BIOL 2405.

4330 WORKSHOP An elective course for nutrition majors. Workshops are planned and conducted to cover varying areas of interests and needs. Prerequisite: Senior standing.

4335 NUTRITION SENIOR SEMINAR A required course for nutrition majors. This course is designed to provide a comprehensive review of the nutrition curriculum including the nutrition care process, management and business theories, quality management of food/nutrition services, governance of the dietetics practice, fundamentals of public policy relevant to the dietetics profession and content related to health care systems. The course will provide opportunities for students to strengthen communication skills and improve ability to interpret professional literature. Lecture/discussion. Prerequisite: Senior standing. **[UD UCA Core: Z]**

4340 GERIATRIC NUTRITION This course is designed to provide students with a comprehensive overview of nutritional needs of older adults. The topics will help students gain insight related to physiological changes, diseases and environmental factors affecting the nutritional status of aging adults. Prerequisites: NUTR 1300 and BIOL 2405.

4351 EXPERIMENTAL FOOD SCIENCE A required course for the dietetic major. The course includes a study of physical and sensory evaluation and experimentation with properties of fats, carbohydrate mixtures, protein foods, and food additives. Lecture and laboratory. Prerequisite: C or better in NUTR 3310, 3370 and 4301, CHEM 2450.

4374 MEDICAL NUTRITION THERAPY II A required course for dietetic major. Continued study of nutrition in therapeutic dietary treatment of nutritional problems in disease states. Includes in-depth case studies. Lecture/discussion. Prerequisite: C or better in NUTR 4325.

4395 NUTRITION: CONTEMPORARY ISSUES A required course for nutrition majors and an elective course for FACS majors and other health-related majors. The course includes a study of the principles and application of sound weight-management programs; focus on the popular weight control diets, supplements/meal replacements, and programs and other relevant information for the health professional. Lecture and discussion. Prerequisite: C or better in NUTR 1300, Junior or Senior Standing **[UD UCA Core: D]**

Physical Education Teacher Education

URL: http://uca.edu/ubulletin/courses/physical-education-teacher-education-pete/

[1] Courses in Physical Education Teacher Education (PETE)

1230 TEACHING CONDITIONING ACTIVITIES AND BEGINNING WEIGHT TRAINING is a required course for kinesiology and physical education majors in the teacher education program. This course focuses on the development of student-designed exercise programs to improve fitness

through the use of various exercise modes (e.g., select cardiovascular equipment, walking and jogging, and swimming). In addition,this course focuses on how to use weight-training apparatus. The basic lifts of weight-training and the knowledge necessary to develop and teach personal weight training programs is covered. Activity and lecture. A grade of C or better is required.

2201 BASIC RHYTHMICS 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.

2203 GAMES FOR ELEMENTARY GRADES 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. Note: Proficiencies are earned in the teaching courses PETE 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.

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.

2214 TEACHING TENNIS An elective individual-sport course for kinesiology and physical education majors and athletic training majors. This course emphasizes the rules, skills, and strategies used to participate in and teach tennis. Lecture, activity, micro-teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

2215 TEACHING GYMNASTICS: WOMEN An elective individual-sport course of kinesiology majors and athletic training majors. This course emphasizes the rules, skills, and strategies used to participate in and teach gymnastics. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

2216 TEACHING GYMNASTICS: MEN An elective individual-sport course for kinesiology and physical education majors and athletic training majors. This course emphasizes the rules, skills, and strategies used to participate in and teach gymnastics. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

2220 TEACHING INDIVIDUAL SPORTS A required content course for physical education teacher education majors and education majors seeking an add-on coaching license. This course

emphasizes the skills, tactics, strategies, rules, and pedagogies employed in individual sports. Course methods may include but not limited to: lecture, activity, micro teaches, and a required field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

2222 TEACHING RACQUETBALL An elective individual-sport course for kinesiology and physical education majors. This course emphasizes the rules, skills, and strategies used to participate in and teach racquetball. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major or minor status or consent of instructor.

2223 TEACHING OUTDOOR EDUCATION AND RECREATIONAL GAMES A required course for kinesiology and physical education majors. Course content is presented in two half-term sessions. The outdoor-education section introduces students to a variety of individual and team self-testing activities while the recreational-games section covers a variety of individual and dual games. Both sections emphasize the importance of and benefits from the inclusion of these types of activities in the physical education curriculum and in the individual's use of leisure time. Lecture, activity, micro-teaches, and a required field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

2224 TEACHING SOCCER AND BASKETBALL An elective team-sport course for 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.

2225 TEACHING SOFTBALL AND SPEEDBALL An elective team-sport course for 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 softball and speedball. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: major status or consent of instructor.

2226 TEACHING VOLLEYBALL AND TRACK 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.

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.

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.

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.

2230 TEACHING TEAM SPORT A required content course for physical education teacher education majors and education majors seeking an add-on coaching license. This course emphasizes the skills, tactics, strategies, rules, and pedagogies employed in team sports. Course methods may include but not limited to: lecture, activity, micro teaches, and a required field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor.

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.

2300 PRINCIPLES OF KINESIOLOGY AND PHYSICAL EDUCATION A required course for kinesiology and physical education 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.

3330 PHYSICAL EDUCATION FOR ELEMENTARY GRADES A required course for kinesiology and physical education majors. This course helps students develop their knowledge and understanding of the planning, organization, and instructional styles included in physical education at the early childhood and elementary school level. Lecture, cooperative learning, peer micro teaches, and a required 15-hour field experience including observation, participation, and teaching in elementary physical education under the direct supervision of an elementary physical education specialist. Field experience is scheduled outside of class meeting times. Prerequisites: Admission to PETE or EXSS program, junior classification; and major status or consent of instructor. Co-requisite EXSS 2340. **[UD UCA Core: R]**

3363 ADAPTED PHYSICAL EDUCATION A required course for kinesiology and physical education majors. This course provides basic information on disabling conditions and how to provide adapted physical education programs based upon an individual’s assessed needs. Lecture, discussion, and a required 10-hour clinical and field experience scheduled outside of class meeting times. Prerequisites: Admission to PETE or EXSS program.

4310 METHODS AND MATERIALS OF SECONDARY PHYSICAL EDUCATION A required course for kinesiology and physical education majors. The application of instructional methods including writing and implementing instructional objectives, performing task analysis, designing and implementing lesson plans, and microteaching. Lecture, cooperative learning, physical

activities, unit planning, and peer micro teaches. Clinical and field experiences will be required. Prerequisites: Admission to teacher education program and EXSS 2340 and 3316; corequisite EXSS 4380.

4380 INTERNSHIP I: PHYSICAL EDUCATION AND HEALTH Internship I is a required course for Kinesiology and physical education majors. The internship occurs in a variety of settings where students gain experience in organizing instruction, creating a productive learning environment, identifying and using community resources, and developing professional behaviors. Prerequisite: admission to the PETE or EXSS program, EXSS 2340 and 3316, corequisite EXSS 4310.

4690 INTERNSHIP II: PHYSICAL EDUCATION AND HEALTH This course involves teaching under supervision in a public school setting. Requires full-day involvement and seminars. Taken concurrently with PETE 4691. Prerequisites: Admission into the physical education-teacher education program, completion of Internship I with a C or better, and successful completion of Praxis II (Exam 0856 and 092).

4691 INTERNSHIP II: PHYSICAL EDUCATION AND HEALTH This course involves teaching under supervision in a public school setting. Requires full-day involvement and seminars. Taken concurrently with PETE 4690. Prerequisites: Admission into the physical education-teacher education program, completion of Internship I with a C or better, and successful completion of Praxis II (Exam 0856 and 092).
Prerequisite: Major status or consent of instructor.

Philosophy

URL: http://uca.edu/ubulletin/courses/philosophy/

[1] Courses in Philosophy (PHIL)

1301 PHILOSOPHY FOR LIVING A UCA Core course satisfying three hours of the Inquiry and Analysis requirement as a humanities elective. 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. **[ACTS: PHIL1103]**

1330 WORLD PHILOSOPHIES A UCA Core elective satisfying the diversity in world cultures 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.

1373 FYS: HUMANITIES The FYS (first-year seminar) in Humanities provides a small-classroom environment for students designed to promote community, develop skills necessary for success, and reinforce the importance of written and oral communication. Topics will vary depending on instructor.

2300 EXISTENTIAL PROBLEMS IN PHILOSOPHY An elective for majors and minors in philosophy and religious studies. Critical introductory study of existential problems in philosophy. For students who want a more advanced introduction to philosophy. Combines lecture and discussion methods.

2305 CRITICAL THINKING A UCA Core course satisfying three hours of the Inquiry and Analysis requirement as a humanities elective. 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. **[ACTS: PHIL1003]**

2310 INTRODUCTION TO LOGIC A required course for all philosophy majors and minors (may substitute PHIL 3310) and an elective for minors in linguistics. A course for any student wanting to improve reasoning abilities. Introductory study of correct inference in deductive, scientific, and everyday contexts. Included are classical and modern logic, the logic of science, the principles of definition, and the common errors of reasoning. Primarily lecture and task-oriented instruction.

2325 CONTEMPORARY MORAL PROBLEMS A UCA Core elective satisfying the responsible living requirement. Introduction to the major moral and ethical problems that confront individuals of the 21st century, such as abortion, euthanasia, animal rights, and world hunger. Combines lecture and discussion methods.

2360 GENDER, RACE, & CLASS: PHILOSOPHICAL ISSUES A UCA Core elective satisfying the responsible living requirement. An introduction to philosophical issues concerning gender, race, and class with an emphasis on how these issues affect our identities and ways of living with others. Combines lecture and discussion methods.

3300 GREEK AND ROMAN PHILOSOPHY One of the history of philosophy sequence. Required for all majors in philosophy but open to other students with interest in ancient philosophy. Encouraged as an elective for minors in philosophy. Early Western philosophy from Thales through Plotinus. Special emphasis on Plato and Aristotle. Combines lecture and discussion methods. **[UD UCA Core: I, C]**

3301 MEDIEVAL PHILOSOPHY One of the history of philosophy sequence; an elective for majors and minors in philosophy and religious studies. Major thinkers and issues from the medieval period. Emphasis on Augustine, Anselm, Aquinas, Scotus, and Ockham. Combines lecture and discussion methods.

3302 MODERN PHILOSOPHY One of the history of philosophy sequence. Required of all majors in philosophy but open to any student with interest in modern philosophy. Encouraged as an elective for minors in philosophy. Major philosophical figures from the Renaissance through Kant. Emphasis on Descartes, Spinoza, Locke, Berkeley, Hume, and Kant. Combines lecture and discussion methods.

3303 NINETEENTH-CENTURY PHILOSOPHY One of the history of philosophy sequence; an elective for majors and minors in philosophy and religious studies. Major issues and philosophers in the nineteenth century, including Hegel, Nietzsche, Kierkegaard, Comte, Mach, Schopenhauer, and Mill. Combines lecture and discussion methods.

3304 AMERICAN PRAGMATISM One of the history of philosophy sequence. The study of the major American philosophers and movements from colonial times to the present with emphasis on pragmatism. Prerequisite: Three hours of philosophy or consent of instructor. Combines lecture and discussion methods.

3310 SYMBOLIC LOGIC An elective course for majors and minors in philosophy. Study and use of modern symbolic logic. Combines lecture method with problem-solving activities. Prerequisite: PHIL 2310 or consent of instructor.

3320 ETHICS Required for all majors and minors in philosophy (may substitute as a requirement for PHIL 3325). Fundamental ethical theories in the history of philosophy including those of Plato, Aristotle, Kant, and Mill. Contemporary moral theories also will be studied. Combines lecture and discussion methods. **[UD UCA Core: I, R]**

3325 POLITICAL PHILOSOPHY An elective course for majors and minors in philosophy (may substitute as a requirement for PHIL 3320). Either a survey of selected major political theories from Plato to Marx or a careful examination of historical and contemporary discussions of a basic topic like justice, rights, or political authority. Combines lecture and discussion methods. **[UD UCA Core: I, R]**

3330 PHILOSOPHY OF LAW This course will focus on major traditions and issues in the Philosophy of Law and Legal Theory. Topics to be covered will include: morality and the law, the rule of law, rights, and constitutionalism. Elective for students majoring or minoring in philosophy. Encouraged for Pre-Law students. Lecture and discussion.

3331 PHILOSOPHY OF RELIGION An elective for majors and minors in philosophy and may serve as a requirement or elective for students in religious studies but open to any student with interest in the topic. Nature of religious experiences, faith, and reason, the theistic arguments, the problem of evil, immortality, and problems of religious language. Combines lecture and discussion methods.

3340 CRITICAL THEORIES OF RACE An elective for majors and minors in philosophy and African/African-American Studies. Attempts to understand the history, significance and value of the African American experience. Key issues include identity, alienation, justice and racism. Combines lecture and discussion. **[UD UCA Core: D, R]**

3341 THEORIES OF KNOWLEDGE An elective course for majors and minors in philosophy but open to others with interest. A systematic exposition and critical analysis of some of the following problems in the theory of knowledge: concepts of truth, theories of perception, personal identity and knowledge of other minds, and alternative conceptions of the nature and limits of knowledge, including rationalism, empiricism, and intuitionism. Combines lecture and discussion methods.

3343 PHILOSOPHY OF SEX AND LOVE Elective for students majoring or minoring in either philosophy or religious studies and an elective for gender studies minors and other interested students. This course focuses on a number of philosophical treatises on the subjects of sex, love, and the relationship between the two. Combines lectures and discussions.

3345 FEMINIST PHILOSOPHY An elective course for philosophy majors and minors, as well as gender studies minors and other interested students. An examination of the relationships between feminism and philosophy. The course will compare and contrast different types of feminist theory, e.g., liberal, existentialist, radical, socialist, psychoanalytic and multicultural feminism. Combines lecture and discussion methods. **[UD UCA Core: D, R]**

3352 ASIAN PHILOSOPHY AND RELIGION An elective course for majors and minors in philosophy or religious studies and a required core course for the Asian studies minor. Major

religions and philosophical ideas of Asia with emphasis on Hinduism, Buddhism, Confucianism, and Taoism. Combines lecture and discussion methods. **[UD UCA Core: D, C]**

3360 PHILOSOPHY OF ART An elective course for majors and minors in philosophy but open for students interested in the arts. A study of the nature and purpose of the arts and of the experience of meaning and value through artistic creation and appreciation. Combines lecture and discussion methods.

3370 METAPHYSICS An elective course for all students majoring or minoring in either philosophy or religious studies and an elective for other interested students. This course is a survey of what Aristotle called "first philosophy." Metaphysics is a field of study in which one attempts to clearly and systematically address a wide-range of philosophical questions whose answers underlie our fundamental understanding of the nature of reality. Lecture and discussion format.

3375 PHILOSOPHY OF MIND An elective course for all students majoring or minoring in philosophy and an elective for other interested students. This course is an introduction to the philosophy of mind which combines a survey of historical positions in the field with related contemporary issues in the study of consciousness, evolutionary psychology, and artificial intelligence. Lecture and discussion.

3380 PHILOSOPHY OF SCIENCE An elective course for majors or minors in philosophy but open to students interested in science. An examination of the methods of scientific explanation and confirmation in logical and historical contexts. Combines lecture and discussion methods. **[UD UCA Core: I, C]**

3390 INTERNSHIP IN PHILOSOPHY For majors and minors to fulfill elective requirements in one of the four required fields: History, Social and Political, Value, or Metaphysics and Epistemology. Which elective it may fulfill is dependent on the content of the internship program and at the discretion of the chair of the Department of Philosophy and Religion. Each internship is tailored to the needs of the employer and the interests of the student. Internships require 120-150 hours of work with the employer for 3 hours of elective credit. Prerequisites: junior or senior standing and consent of departmental internship coordinator.

3395 TOPIC IN PHILOSOPHY Study in depth of a selected major problem in philosophy or the works of individual philosophers or groups of philosophers. Content changes May be repeated for credit. See semester schedule for description of content.

4300 READINGS IN PHILOSOPHY Independent study designed to deal in depth with specific problems and individuals in philosophy. Prerequisite: Consent of instructor.

4301 PHILOSOPHY FOR HONORS TUTORIAL Independent study designed to provide the exceptional student an opportunity to do advanced philosophical research. May count toward the major. Prerequisite: Invitation by the philosophy department.

4305 CONTINENTAL PHILOSOPHY One of the history of philosophy sequence. A focused study of one or two areas of continental philosophy. These areas include phenomenology, existentialism, hermeneutics, and postmodernism. Philosophers studied may include Husserl, Heidegger, Sartre, Gadamer, Derrida, and Foucault. Combines lecture and discussion methods.

4306 ANALYTIC PHILOSOPHY One of the history of philosophy sequence. A study of empiricist metaphysics and epistemology including philosophers such as Russell, Wittgenstein, Ayer, Lewis, Ryle, Quine, and Davidson. Combines lecture and discussion methods.

4310 GREAT WORKS IN PHILOSOPHY Capstone course. Close reading of a major work in philosophy leading to the writing of a philosophical paper. Elective in the History of Philosophy area for majors. Prerequisite: Consent of instructor. **[UD UCA Core: Z]**

4320 APPLIED ETHICS This course emphasizes the practice of philosophical ethics through the application of ethical theories and reasoning to various problems or themes. Emphasis is placed on applying ethical theories and reasoning to various aspects of contemporary private and public life. Topics may include but are not limited to ethics and business, the environment, international politics, or gender. This course is an elective and fulfills the Social, Political, and Values area for the philosophy major and minor. Content changes according to the area studied. May be repeated for up to six hours of credit with consent of the chair. Lecture and discussion. **[UD UCA Core: D, R]**

4330 PHILOSOPHY OF LANGUAGE An elective course for majors or minors in philosophy or Linguistics, 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.

4340 THE MEANING OF LIFE Capstone course. An elective course for majors and minors in philosophy and religious studies. A study of classical and contemporary attempts to answer the question "What is the meaning of life?" Key issues include personal identity, sources of significance, mortality and religious belief. Combines lecture and discussion methods. **[UD UCA Core: Z]**

4350 HEALTH CARE ETHICS An elective course 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.

Physics and Astronomy

URL: http://uca.edu/ubulletin/courses/physics-phys/

[1] Courses for Non-Majors (PHYS)

1400 PHYSICAL SCIENCE FOR GENERAL EDUCATION Part of the lower-division UCA core (general education) program. Introduces the student to the principles of elementary physics, chemistry, and astronomy. Lecture and laboratory. This course cannot be used to fulfill the BS special degree requirement. **[ACTS: PHSC1004]**

1401 DESCRIPTIVE ASTRONOMY Part of the lower-division UCA core (general education) program. An introduction to the changing appearance of the night sky, to the solar system, and to the stars. Lecture and laboratory. This course cannot be used to fulfill the BS special degree requirement. **[ACTS: PHSC1204]**

1405 APPLIED PHYSICS For health science students. Introduces the student to forces, energy, fluids, sound, heat, light, electricity, and radioactivity, with applications to the health sciences. (Not open to students who have completed PHYS 1410 or 1441 unless specifically required for major. May not be applied toward a major or minor together with PHYS 1410, 1420, 1441, or 1442.) Lecture and laboratory. Prerequisite: High school or college algebra.

1410 COLLEGE PHYSICS 1 For biology, health science, pre-medical, pre-dental, and other students needing a basic introduction to physics. Forms a two-semester sequence with College

Physics 2. Introduces the student to mechanics (kinematics, force, work, energy, momentum, rotational motion, elasticity), fluids, heat, and thermodynamics, mechanical waves, and sound. Lecture and laboratory. Prerequisite: High school trigonometry and grade of C or better in MATH 1390 or equivalent. **[ACTS: PHYS2014]**

1420 COLLEGE PHYSICS 2 Continuation of College Physics 1. Introduces the student to electricity, magnetism, light, and selected topics in modern physics. Lecture and laboratory. Prerequisite: PHYS 1410. **[ACTS: PHYS2024]**

2311 STATICS For pre-engineering students. A study of stresses, strains, and equilibrium in a plane and in space; analysis of structures, friction, centroids, and moments of inertia. Problem oriented with applications emphasized. Lecture. Prerequisite: PHYS 1441. Co-/prerequisite: MATH 1497.

2411 COLLEGE ASTRONOMY A lower division elective intended for science majors and minors. An introduction to astronomy, including light and other radiation, 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.

2421 OBSERVATIONAL ASTRONOMY A lower-division elective. Field work with telescopes and other equipment; methods for making celestial observations. Prerequisite: PHYS 1401 or 2411.

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.

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. Lecture and laboratory. Pre- or corequisite: MATH 1496. **[ACTS: PHYS2034]**

1442 UNIVERSITY PHYSICS 2 Part of the major core. Continuation of PHYS 1441. Introduction to waves, thermodynamics, and electromagnetism. Lecture and laboratory. Prerequisite: PHYS 1441. Pre- or corequisite: MATH 1497. **[ACTS: PHYS2044]**

2320 INTRODUCTORY COMPUTATIONAL PHYSICS A lower-division course for physics majors and minors. Introduces students to the numerical/computational toolbox that vastly increases the range and complexity of problems that can be solved. Students will write self-contained programs using a variety of techniques and code in an efficient manner. Students will also be introduced to software for creating plots and graphics. Prerequisites: CSCI 1340, PHYS 2443.

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-/corequisite: MATH 1497.

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 2471.

3210 EXPERIMENTS IN PHYSICS 1 Part of the major core. A laboratory course that expands the experimental skills introduced in the University Physics sequence. Classic experiments, for example those involving the determination of physical constants, will be performed. Involves student presentations. Pre-/corequisites: PHYS 2443, WRTG 3310.

3220 EXPERIMENTS IN PHYSICS 2 Part of the major core. A laboratory course that further expands the laboratory, analysis, and presentation skills learned in PHYS 3210. Classic experiments, for example those involving the determination of physical constants, will be performed. Involves student presentations. Prerequisites: PHYS 3210, or approval of the department chair.

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 2471, 3320.

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 2471, 3331.

3343 THERMAL PHYSICS The fundamental principles of thermodynamics and statistical physics. Lecture. Prerequisites: PHYS 2443 or 2430 and MATH 2471.

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 2471.

3353 QUANTUM THEORY 1 The physical foundation and mathematics of quantum theory; matrix and operator formalisms. Lecture. Prerequisites: PHYS 2443 or 2430, 3341.

3354 QUANTUM THEORY 2 Continuation of PHYS 3353. Approximation methods, perturbation theory, and applications to quantum systems. Lecture. Prerequisite: PHYS 3353.

3360 ELECTROMAGNETISM 1 The fundamental principles of electricity and magnetism are presented through the theory of fields. Electric and magnetic fields, their interaction with matter, and their behavior as expressed by Maxwell's equations are explored. Lecture. Prerequisites: PHYS 1442 or 1420 and MATH 2471.

3361 ELECTROMAGNETISM 2 Continuation of PHYS 3360. Propagation, reflection, refraction, and radiation of electromagnetic waves. Lecture. Prerequisite: PHYS 3360.

4V03 SPECIAL PROBLEMS IN PHYSICS (Variable credit: 1-3 credit hours.) May consist of problem solving, library research, and/or laboratory work. Students may register for up to 4 hours per semester. May be repeated with change of content.

4V04 SPECIAL PROBLEMS IN ASTRONOMY (Variable credit: 1-3 credit hours.) May consist of problem solving, library research, and/or laboratory work. Students may register for up to 4 hours per semester. May be repeated with change of content.

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.

4111 SENIOR CAPSTONE 1 Part of the major core. A course that offers diverse laboratory, theoretical, or computational experiences that are more specialized than those of Classic Experiments in Physics 1 and 2. Senior Capstone 1 involves individual or team work to identify a research question or design goal in collaboration with faculty mentor(s) and to successfully formulate and defend a work plan to address the problem. Selection of projects is adapted to the needs and ability of the individual student or team of students. Involves student presentations and written reports. May require attendance at department seminar. Prerequisite: PHYS 3220.

4211 SENIOR CAPSTONE 2 Part of the major core. A course that offers diverse laboratory, theoretical, or computational experiences that are more specialized than those of Experiments in Physics 1 and 2. Senior Capstone 2 involves performing the experimental, theoretical or computational research proposed by the individual or team in Senior Capstone 1 in collaboration with a mentor. Involves student presentation of results in oral and written form. May require attendance at department seminar. Prerequisite: PHYS 4111. **[UD UCA Core: Z]**

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.

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.

4350 TOPICS IN THEORETICAL PHYSICS Content will vary, depending on interests of faculty and students. Examples: acoustics, astrophysics, atomic physics, condensed matter, cosmology, elementary particles, fluid mechanics, nuclear physics. May be repeated with different content. Lecture. Prerequisite: Consent of instructor.

4351 COMPUTATIONAL PHYSICS A senior level elective course. Builds upon and covers additional and more advanced computational techniques that were introduced in PHYS 2320. Programming projects. Prerequisite: PHYS 2320.

4360 PHYSICS FOR SECONDARY TEACHERS Introduction to secondary-level teaching materials and laboratory techniques. Integrated lecture, discussion, workshop, laboratory format. Prerequisite: Consent of instructor.

4380 INTERNSHIP IN APPLIED PHYSICS An internship consisting of approximately 300 hours of industrial employments in which the student applies the methods of physics to real-world situations. May be repeated. Prerequisites: PHYS 3110 or 3120, GPA in major of 2.5 or better, consent of department.

4411 INTRODUCTION TO PHYSICAL ACOUSTICS An elective course for physics majors. This course covers fundamental acoustics topics such as vibrating strings, membranes, structures, acoustic wave generation, propagation and radiation, wave transmission and reflection phenomena, in addition to applications such as bioacoustics, architectural acoustics, and transducers. Prerequisite: PHYS 3341 or consent of instructor.

Public Relations

URL: http://uca.edu/ubulletin/courses/public-relations/

[1] Courses in Public Relations (PRLS)

NOTE: Successful completion of any indicated prerequisites or consent of instructor is required *before* enrollment in the course will be permitted.

2305 INTRODUCTION TO PUBLIC RELATIONS Required foundation course for public relations majors and minors that provides an introduction to concepts, theories, and skills needed by public relations professionals. Covers the historical and social contexts, as well as current policy, legal, and ethical issues in the field.

3V21 PUBLIC RELATIONS INTERNSHIP (Variable credit: 1-4 credit hours.) Elective course for public relations majors that ranges from one to four credit hours. Requires working a minimum of 40 to 160 hours, depending on the number of credit hours, under the supervision of an external public relations professional and faculty coordinator. Emphasizes gaining practical experience and developing a portfolio of work produced at the internship site. Prerequisites: Junior standing; GPA requirements; PRLS 2305, 3305, 3310; JOUR 2300, 3305; and consent of Internship Committee and department chair.

3305 PUBLIC RELATIONS TECHNIQUES Required course for public relations majors and minors that emphasizes applying tactics and tools used in traditional and online media relations. Focuses on news conferences, media lists, media pitches, blogs, infographics, and basic social media. Prerequisites: COMM 2308 and PRLS 2305.

3310 WRITING FOR PUBLIC RELATIONS Required course for public relations majors that emphasizes clear, concise strategic writing. Focuses on gathering information to write public relations materials that include fact sheets, news releases, feature articles, brochures, and email newsletters using Associated Press style. Prerequisites: JOUR 2300 and PRLS 2305. **[UD UCA Core: D]**

4V80 DIRECTED STUDY IN PUBLIC RELATIONS (Variable credit: 1-3 credit hours.) Elective course for public relations majors and minors. Provides opportunities for advanced study of specific topics in public relations in a one-on-one or small group context. Students who have completed basic and intermediate courses may apply to work with a specific faculty member to study topics that are not regularly offered in the curriculum. Prerequisites: COMM 2308 and PRLS 2305 and 3305, or consent of department chair.

4305 PUBLIC RELATIONS CASES AND CAMPAIGNS Required service-learning capstone course for public relations majors. Students work in teams in a competitive-agency model to develop comprehensive campaign proposals for a nonprofit client. Students also analyze case studies

applying the four stages of the public relations process: research, planning, implementation, and evaluation. Prerequisites: COMM 2308 and PRLS 2305, 3305, 3310. **[UD UCA Core: Z]**

4308 PUBLIC RELATIONS MANAGEMENT Required course for public relations majors and minors. Explores the intersection between the practices of public relations and management within the organizational context. Topics include strategic versus tactical public relations, measurement and evaluation, corporate social responsibility, issues management, and digital media. Focuses on the role of public relations counsel to senior management and the relationship of public relations to related organizational functions. Prerequisites: COMM 2308 and PRLS 2305 and 3305. **[UD UCA Core: I]**

4310 NONPROFIT PUBLIC RELATIONS Elective course for public relations majors and minors. Presents a comprehensive overview of founding and managing nonprofit organizations as a basis for establishing an internal identity and external image. Students develop a public relations plan to promote a specific nonprofit and enhance its reputation based on its overall strategic direction. Prerequisites: COMM 2308 and PRLS 2305 and 3305.

4312 MULTICULTURAL PUBLIC RELATIONS Elective course for public relations majors and minors. Introduces students to a wide range of multicultural communication campaigns. Students learn how to use research, planning, implementation, and evaluation strategies to effectively reach diverse audiences. Additionally, students are encouraged to recognize multicultural public relations as an ongoing negotiation of culture, meaning, and identity among people of various backgrounds. Prerequisites: COMM 2308 and PRLS 2305 and 3305.

4316 SPECIAL TOPICS IN PUBLIC RELATIONS Elective course for public relations majors and minors. Provides opportunities to study specific topics in public relations. Students who have completed basic and intermediate courses may study specific topics that are not regularly offered in the curriculum. May be repeated for credit with a change of topic. Prerequisites: COMM 2308 and PRLS 2305 and 3305, or consent of instructor.

Political Science

URL: http://uca.edu/ubulletin/courses/political-science/

[1] Courses in Political Science (PSCI)

1300 INTRODUCTION TO POLITICAL SCIENCE A survey of the discipline of political science designed to introduce students to important theories, concepts, issues, in the study of political behavior, phenomena, and processes. The course will cover the major subfields of political science, including political theory, research methods, American government, comparative politics, public administration, public policy, and international relations. The course will be offered every semester. The method of instruction is lecture and discussion.

1330 UNITED STATES GOVERNMENT AND POLITICS Part of the lower-division UCA core either as an American history and government elective or as a social science elective, a requirement for the Political Science major and minor (but not limited to majors and minors), and a prerequisite for most political science courses. An introduction to the principles and problems of American government, governing institutions, and political processes. Lecture and discussion. **[ACTS: PLSC2003]**

2300 INTRODUCTION TO INTERNATIONAL RELATIONS A study of the interactions and behaviors of state and non-state actors in the international system, with particular emphasis on the concepts and theories related to the subfields of international security and international political economy. This course is part of the General Education program as a Behavioral & Social Sciences elective, is recommended for all upper-division international relations courses, is a prerequisite for the Presidential Studies minor, is a core requirement for the Political Science major and minor, and is a core requirement for the International Studies major and minor.

2305 INTRODUCTION TO PUBLIC ADMINISTRATION AND POLICY A required course for majors and minors in public administration and political science but open to other students with an interest in the topic. This course introduces students to the public policy making process, the American public policy environment, the theory and practice of public administration, and the role of public administrators in the public policy process.

2312 STATISTICAL METHODS FOR POLITICAL ANALYSIS An introduction to descriptive and inferential statistics, hypothesis testing, and displaying of data in various formats. This course or Political Science Applications in GIS (PSCI 2322) is a core requirement for the Political Science major and minor, and for the International Studies major and minor.

2315 INTRODUCTION TO POLITICAL THEORY An introduction to the major themes and methods of normative political theory. PSCI 2315 is a core, required course for the Political Science major and minor, but is open to all interested students.

2320 INTRODUCTION TO COMPARATIVE POLITICS A study of the concepts and methods of comparative politics. Special emphasis is given to comparing the types and forms of political systems and the political processes they undergo. A requirement for the Political Science and International Studies major and minor (but not limited to majors and minors).

2322 POLITICAL SCIENCE APPLICATIONS IN GIS This course or Statistical Methods for Political Analysis (PSCI 2312) is a core course for a major or minor in Political Science, International Studies, and Public Administration. This computer lab-oriented course introduces the student to the spatial analysis in political science using a short lecture and lab exercise format. A lower-division course for majors and minors.

3300 STATE GOVERNMENT AND POLITICS This course introduces students to the political processes and administrative procedures of state governments. Because state governments are "laboratories of democracy," the course will take a comparative approach and discuss the similarities and differences among states with respect to institutional structures, laws and regulations, political cultures, histories, demographics, and economics. A requirement for the Public Administration major and minor and elective for the Political Science major and minor (but not limited to majors and minors). This course covers the American Politics subfield. Prerequisite: PSCI 1330.

3305 UNITED NATIONS AND INTERNATIONAL POLITICS A study of the history, establishment, charter, structure, and decision-making processes of the United Nations. Students will critically analyze the role of the UN in the international system during the Cold War and post-Cold War periods, specifically in the areas of international peace and security; disarmament and arms control; human rights; humanitarian assistance and refugees; and economic and social development. This course is an elective for the Political Science major and minor in the International Relations subfield and International Studies major and minor (International Politics and Diplomacy concentration). Prerequisites: PSCI 1330, 2300, or consent of instructor. **[UD UCA Core: I]**

3313 RESEARCH DESIGN An elective for the Political Science major and minor (but not limited to majors and minors). An in-depth examination of strategies available for performing social science research. Includes experimental, quasi-experimental, non-experimental, and survey research designs. Lecture and discussion. Prerequisite: PSCI 1330.

3315 INTERNATIONAL LAW AND ORGANIZATIONS A study of the origins and roles of international law and international organizations in the international system beginning in the 19th century. Special emphasis is placed on the extent to which aspects of international law and international organizations influence or constrain the behaviors and interactions of state and non-state actors in the international system. As a result of this course, students will be able to critically analyze the effectiveness of specific aspects of international law and international organizations in the international system since the end of the Second World War. This course is an elective for the Political Science major and minor in the International Relations subfield and International Studies major and minor (International Politics & Diplomacy concentration). Prerequisites: PSCI 1330, 2300, or consent of instructor.

3320 ENVIRONMENTAL POLICY An introduction to environmental policy at the federal and state levels. The creation and implementation of environmental policy will be analyzed. An elective for the Political Science major and minor in the Public Policy subfield and the public administration major and minor (but not limited to majors and minors). Prerequisites: PSCI 1330, 2305, or consent of instructor. **[UD UCA Core: I, R]**

3330 POLITICAL PARTIES AND ELECTORAL PROBLEMS A study of the history, organization, and operation of political parties in the United States, with emphasis on electoral behavior. This course is an elective for the Political Science major and minor in the American Politics subfield. Prerequisite: PSCI 1330.

3336 LOCAL GOVERNMENT AND POLITICS A study of local governments in the U.S. and Arkansas including cities, counties, special districts, and school districts. The following challenges are examined: taxing, spending, revenue-sharing, education, policy, crime, and welfare. An elective for the Political Science major and minor in the American Politics subfield and the Public Administration major and minor (but not limited to majors and minors). Prerequisite: PSCI 1330.

3340 GOVERNMENTS AND POLITICS OF EUROPE AND RUSSIA A comparative study of the governments and political systems of selected countries in Western European, Eastern Europe, and Russia since the end of the Cold War. This course is an elective for the Political Science major and minor in the Comparative Politics subfield and the International Studies major and minor (Regional Studies concentration). Prerequisites: PSCI 1330, 2320, or consent of instructor.

3350 INTEREST GROUPS AND MONEY IN POLITICS A study of the roles and practices of organized interest groups in the American political process, from the financing of candidates for public office through the influencing of decision-makers and of public policy. This course is an elective for the Political Science major and minor in the American Politics subfield. Prerequisite: PSCI 1330.

3361 PUBLIC POLICY ANALYSIS A study of the public policy process in the United States, with focus on various theories of public policy and specific policy areas. An elective for the Political Science major and minor in the Public Policy subfield and a core requirement for the Public Administration major and minor. Prerequisites: PSCI 1330, 2305, or consent of instructor. **[UD UCA Core: Z]**

3365 PUBLIC MANAGEMENT A required course for majors and minors in Public Administration. An elective for Political Science students. The primary purpose of this course is to teach students about public organizations, the real world challenges facing public managers in administering government operations, the roles that public managers play in the development and implementation of public policies, and the specific functions that they undertake (planning, organizing, leading, decision-making). This course covers the Public Administration subfield. Prerequisites: PSCI 1330, 2305, or consent of instructor.

3370 POLITICAL THEORY I A study of the history of Western political thought from ancient Greece to the Renaissance. This course is an elective for the Political Science major and minor in the Political Theory subfield. Prerequisites: PSCI 1330 and 2315. **[UD UCA Core: R]**

3371 POLITICAL THEORY II A study of the development of western political thought from the Renaissance to the Industrial Revolution. This course is an elective the Political Science major and minor in the Political Theory subfield. Prerequisites: PSCI 1330 and 2315. **[UD UCA Core: I, R]**

3372 POLITICAL BEHAVIOR A study of the various techniques of empirical research in political science with particular emphasis on the analysis of public opinion, electoral behavior, and other forms of political behavior. This course is an elective for the Political Science major and minor in the American Politics subfield. Prerequisite: PSCI 1330.

3375 THE AMERICAN JUDICIAL SYSTEM An examination of the legal system in the United States, with emphasis upon the structure of federal and state courts, court procedure, the role of lawyers and judges, and the political impact of court decisions. This course is an elective for the Political Science major and minor in the American Politics subfield. Prerequisite: PSCI 1330.

3382 POLITICS OF DEVELOPING NATIONS This course focuses on the causes and consequences of political and economic development in the "Third World." An elective for the Political Science major and minor (but not limited to majors and minors) in the Comparative Politics subfield. Prerequisites: PSCI 1330, 2320, or consent of instructor.

4V99 STUDIES IN POLITICAL SCIENCE (Variable credit: 1-4 credit hours.) An elective for the PSCI major and minor (but not limited to majors and minors). Independent studies course in political science designed to meet the individual needs of a student. Credit from one to four hours may be earned in one semester. The work is chosen by the student and his tutor with the approval of the department chair. Students may arrange more than one independent study, subject to college and university rules. Prerequisite: Consent of instructor and department chair.

4300 CONSTITUTIONAL LAW A study of the Constitution of the United States, focusing on the work of the United States Supreme Court and the effects of its decisions upon the political system of the United States. This course is an elective for the Political Science major and minor in the American Politics subfield. Prerequisite: PSCI 1330. **[UD UCA Core: I]**

4301 CIVIL LIBERTIES An examination of the historical background, judicial decisions and contemporary social criticisms regarding civil liberties, with a focus on the Bill of Rights. This course is an elective for the Political Science major and minor in the American Politics subfield. Prerequisite: PSCI 1330. **[UD UCA Core: I]**

4305 THE POLITICAL ECONOMY OF DEVELOPMENT This course focuses on the causes and consequences of political, social, and economic development in the developing world. An

elective for the Political Science major and minor but not limited to majors and minors) in the Comparative Politics subfield. Prerequisites: PSCI 1330, 2320, or consent of instructor.

4307 POLITICAL ETHICS This course is a thorough study of the relationship between politics and ethics, with an emphasis on understanding the moral and political challenges of public office holders. The course is an elective for the Political Science major and minor (but not limited to majors and minors) in the Political Theory subfield. Prerequisites: PSCI 1330, 2315. **[UD UCA Core: I, R]**

4310 INTERNATIONAL POLITICAL ECONOMY AND GLOBALIZATION A study of the theories of international political economy and globalization. The dynamics of the global economy and the role of international financial institutions, such as the WTO, IMF, and the World Bank Group will be examined. This course is an elective for the Political Science major and minor in the International Relations subfield and the International Studies major and minor (International Political Economy and Development concentration). Prerequisites: PSCI 1330, 2300, or consent of instructor.

4312 CHINA & INTERNATIONAL POLITICS A study of China's position and interactions in the contemporary international political system, including an emphasis on Chinese foreign policy and China's relations with the United States, European Union, Russia, Japan, and other major global actors. This course is an elective for the Political Science major and minor and the International Relations subfield and the International Studies major and minor (International Politics & Diplomacy and Regional Studies concentration). Prerequisites: PSCI 1330, 2300, or consent of instructor.

4315 THE POLITICS OF PRESIDENTIAL SELECTION A study of the process by which US presidential candidates are nominated by their parties and then elected, and the constitutional devices (federation, electoral college) that shape the process. Campaign organization, finance, and strategy are thoroughly examined, as is electoral behavior in presidential elections. This course is an elective for the Political Science major and minor in the American Politics subfield, and is a core requirement for the Presidential Studies minor. Prerequisite: PSCI 1330.

4320 REVOLUTION AND POLITICAL VIOLENCE This course focuses on the causes and consequences of mass political violence including revolutions, civil wars, and coups d'etat. An elective for the Political Science major and minor (but not limited to majors and minors) in the Comparative Politics subfield. Prerequisites: PSCI 1330, 2320, or consent of instructor.

4325 MEXICAN POLITICS AND US-MEXICAN RELATIONS This course focuses on the study of the government and politics of Mexico and the relationship between Mexico and the United States. An elective for the Political Science major and minor (but not limited to majors and minors) in the Comparative Politics subfield. Prerequisites: PSCI 1330, 2320, or consent of instructor.

4328 DYNAMICS OF DEMOCRATIZATION A comparative approach to the study of democratization including the origins and causes of democracy, the problems of democratic transition, and the conditions for democratic stability and development. The course is an elective for the Political Science major and minor in the Comparative Politics subfield and the International Studies major and minor (International Political Economy and Development concentration). Prerequisites: PSCI 1330, 2320, or consent of instructor. **[UD UCA Core: Z]**

4331 AMERICAN POLITICAL THEORY An examination of the major theoretical ideas and issues of American political thought from the colonial period to the present. This course is an elective for the Political Science major and minor in the Political Theory subfield. Prerequisites: PSCI 1330 and 2315. **[UD UCA Core: I, R]**

4334 THE AMERICAN PRESIDENCY A study of the U.S. Presidency, nomination, election, responsibilities and powers, and principles of contemporary executive-legislative relationships. This course is an elective for the Political Science major and minor in the American Politics subfield, in the International Studies major and minor, it is a core requirement for the Presidential Studies minor, and is an elective for the Public Administration major. Prerequisite: PSCI 1330. Fall, **[UD UCA Core: I]**

4335 THE AMERICAN CONGRESS A study of the U.S. Congress examining how people are nominated and run for these legislative offices, how the legislative branch is organized, and legislative procedures. This course is an elective for the Political Science major and minor in the American Politics subfield and the Public Administration major.. Prerequisite: PSCI 1330.

4340 SEMINAR SELECTED TOPICS An elective for the PSCI major and minor (but not limited to majors and minors). Investigation of a significant issue or field of study in political science. Prerequisite: Junior, senior, or approved graduate standing with the prerequisites varying according to the topic and degree of specialization required. May be repeated for credit with a change of topic. Lecture and discussion.

4345 GOVERNMENTS AND POLITICS OF AFRICA A broad study of African traditional and modern political institutions as well as a specific examination of selected cases. This course is an elective for the Political Science major and minor in the Comparative Politics subfield and the International Studies major and minor (Regional Studies concentration). Prerequisites: PSCI 1330, 2320, or consent of instructor.

4348 GOVERNMENTS AND POLITICS OF THE MIDDLE EAST A comparative approach to the study of governments and politics of the Middle East including the region’s pre-colonial and modern political institutions, political culture, and democratization process. The course is an elective for the Political Science major and minor in the Comparative Politics subfield and the International Studies major and minor (Regional Studies concentration). Prerequisites: PSCI 1330, 2320, or consent of instructor.

4350 PUBLIC POLICY AND PROGRAM EVALUATION An elective course for majors and minors in political science and public administration (but not limited to majors and minors). The primary purpose of this course is designed to provide an overview to field of policy and program evaluation. Program evaluation is a crucial aspect of the policymaking process with the examination of whether (and how) existing policies and/or programs work. Combines lecture and discussion methods. This course covers the Public Policy subfield. Prerequisites: PSCI 1330, 2305, of consent of instructor.

4351 COMMUNITY AND REGIONAL PLANNING A study of the concepts and techniques of community and regional planning, with emphasis on the analysis of the community power structure. An elective for the Political Science major and minor in the Public Administration subfield and the Public Administration major and minor (but not limited to majors and minors). Prerequisites: PSCI 1330, 2305, or consent of instructor.

4375 INTERGOVERNMENTAL RELATIONS A study of the administrative, political, legal, and fiscal relationships among federal, state, and local government in the United States. An elective for the Political Science major and minor in the Public Administration subfield and the Public Administration major and minor (but not limited to majors and minors). Prerequisites: PSCI 1330, 2305, or consent of instructor. **[UD UCA Core: C]**

4385 SPECIAL TOPICS IN PUBLIC ADMINISTRATION An elective course for majors and minors in public administration, political science, and international studies. This course will explore topics in public administration including Administrative Law, Comparative Public Administration, Public Personnel Administration, and Non-Profit/NGO Administration. This course covers the Public Administration subfield. May be repeated for credit with a change of topic. Prerequisites: PSCI 1330, 2305, or consent of instructor.

4386 SPECIAL TOPICS IN PUBLIC POLICY An elective course for majors and minors in political science and public administration (but not limited to majors and minors). This course will provide an in-depth examination of substantive public policy areas such as education, health care, community development, social welfare, among others. Combines lecture and discussion methods. This course covers the Public Policy subfield. May be repeated for credit with a change of topic. Prerequisites: PSCI 1330, 2305, or consent of instructor.

4388 AMERICAN FOREIGN POLICY A study of the foreign policy of the United States since the end of World War II, with emphasis on the goals and instruments of U.S. foreign policy, as well as the individual, societal, governmental, interstate, and global influences on U.S. foreign policy decisions. This course is an elective for the Political Science major and minor in the International Relations subfield and the International Studies major and minor (International Politics & Diplomacy concentration). Prerequisite: PSCI 1330, 2300, or consent of instructor.

4390 INTERNSHIP IN POLITICAL SCIENCE This course provides a structured, supervised work experience in a public agency, a political campaign, or the office of an elected official. Each internship is unique to the needs of the student and the participating employer, but each student will complete between 120 and 150 hours of work during the semester. The activities and work hours will be determined by the student and the employer prior to the first day of the internship. An elective for the political science major and minor, this internship will count as the upper-division elective in one of the issue areas; the determination of the appropriate issue area will be made by the chair and the internship coordinator. The student must consult the internship coordinator before the start of the internship for approval. Prerequisite: Junior or senior standing.

4391 GOVERNMENT BUDGETING A study of the political and administrative aspects of government budgeting including a discussion of the budget process at each level of government and the key political and administrative actors making budget policy. An elective for the Political Science major and minor in the Public Administration subfield and the Public Administration major and minor (but not limited to majors and minors). Prerequisites: PSCI 1330, 2305, or consent of instructor.

4395 INTERNATIONAL CONFLICT AND CONFLICT MANAGEMENT A study of the concepts and theories of crisis, conflict, and war, as well as the techniques and theories of conflict management. This course is an elective for the Political Science major and minor in the International Relations subfield and the International Studies major and minor (International Politics & Diplomacy concentration). Prerequisites, PSCI 1330, 2300, or consent of instructor.

4610 INTERNSHIP IN PUBLIC ADMINISTRATION An elective for the PSCI major and minor (but not limited to majors and minors). This course provides a structured, supervised learning experience in a government or public-related agency. Prerequisite: Completion of major requirements.

Psychology

URL: http://uca.edu/ubulletin/courses/psychology-psyc/

[1] Courses in Psychology (PSYC)

1300 GENERAL PSYCHOLOGY A UCA core course satisfying three hours of the Inquiry and Analysis requirement as a social science elective. Survey and introductory course in psychology to acquaint the student with psychology as a behavioral science. A required course for majors and minors. Lecture. **[ACTS: PSYC1103]**

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.

2370 DEVELOPMENTAL PSYCHOLOGY Continuation of theoretical points of view related to development across the lifespan. Category III elective. Lecture. Prerequisite: PSYC 1300. **[ACTS: PSYC2103]**

3305 HEALTH PSYCHOLOGY A comprehensive introduction to the field of health psychology. Both theoretical and applied aspects of the work of the health psychologist will be reviewed. Category IV elective. Prerequisites: PSYC 1300 or consent of instructor. **[UD UCA Core: R]**

3306 POSITIVE PSYCHOLOGY The scientific study of optimal functioning, which aims to discover and promote factors that allow individuals, communities, and societies to thrive and flourish. The course will examine human behavior that is effective, valuable, and positively contributes to human development. This course takes a holistic and general systems theory perspective. Category IV elective. Prerequisite: PSYC 1300. **[UD UCA Core: R]**

3325 COGNITIVE PSYCHOLOGY Survey of human mental processes such as thinking, memory, language, attention, and problem-solving. Human cognition will be studied from multiple perspectives: psychology, artificial intelligence, linguistics, human learning, and computer technology. Category II elective. Lecture. Prerequisite: PSYC 1300.

3330 SENSATION AND PERCEPTION Study of the sensory processes and related perceptual phenomena. Category II elective. Lecture. Prerequisite: PSYC 1300.

3331 PSYCHOLOGY OF BUSINESS AND INDUSTRY Survey of psychological principles applicable to business and industry settings. Category IV elective. Lecture. Prerequisite: PSYC 1300.

3332 RESEARCH METHODS Scientific methodology and report writing as applied to major problem areas in behavioral research. A required course for majors. Lecture/laboratory; computer work required. Prerequisites: PSYC 1300 and 2330. **[UD UCA Core: I]**

3333 MULTICULTURAL PSYCHOLOGY This course reviews the field of Multicultural Psychology and emphasizes the development of critical thinking, cultural sensitivity, and cultural self-awareness. Major topic areas include: worldviews, immigration and acculturation, stereotypes

and prejudice, racism, privilege, cultural identity and development, and multicultural competence. Prerequisite: PSYC 1300.

3340 RESEARCH METHODS LABORATORY Application of scientific methods to behavioral research questions. A required course for majors. Lecture/laboratory; computer work required. Prerequisite: PSYC 3332. **[UD UCA Core: Z]**

3345 EVOLUTIONARY PSYCHOLOGY This course will examine the mechanisms of the human mind from the perspective of evolutionary psychology. Beginning with a brief historical review of key themes in psychology and evolutionary biology, the course then proceeds to substantive topics, including problems of survival, long-term mating, sexuality, parenting, kinship, cooperation, aggression and warfare, conflict between the sexes, status, prestige, and social dominance. The final portion of the course will conclude by proposing a unified theory that integrates the different branches of psychology. Prerequisite: PSYC 1300.

3350 PSYCHOLOGY OF WOMEN Survey and analysis of theory, research, and special topics that pertain to the psychological experience of women through the life-span. Focus on integrating psychology of women into traditional approaches to the study of human behavior. Category IV elective. Lecture. Prerequisite: Six hours of psychology. **[UD UCA Core: D]**

3351 PSYCHOLOGY OF LEARNING Basic theories and principles of learning. Category II elective. Lecture. Prerequisite: PSYC 1300.

3360 SOCIAL PSYCHOLOGY Survey of theory and research on how people perceive, influence, and relate to others. Category III elective. Lecture. Prerequisite: PSYC 1300.

3361 MEDIA PSYCHOLOGY As the use of media continues to expand into nearly all aspects of life, understanding the impacts of media use on social perceptions, attitudes, and behavior become essential to understanding the human mind in modern society. This course explores primary theory and contemporary findings in media psychology, with a focus on applying them to modern and near-future media contexts. Prerequisite: PSYC 3360. **[UD UCA Core: C]**

3370 SPORTS PSYCHOLOGY Study of the psychological factors that influence and are influenced by performance and participation in sports, exercise, and physical activity. Category IV elective. Lecture. Prerequisite: PSYC 1300.

4V80 INDEPENDENT READINGS IN PSYCHOLOGY (Variable credit: 1-3 credit hours.) Readings selected by the student under the direction of the major professor from special areas and topics in psychology. Category IV elective. Prerequisite: consent of instructor and chairperson.

4V82 INDEPENDENT RESEARCH IN PSYCHOLOGY (Variable credit: 1-3 credit hours.) Development of a research proposal and the execution of the study under the guidance of a faculty advisor. Category IV elective. Prerequisite: consent of instructor and chairperson.

4300 THEORIES OF PERSONALITY Study of the major ideas of important personality theorists and their theoretical contributions to the science of personality. Category III elective. Lecture. Prerequisite: PSYC 1300.

4305 JUDGMENT AND DECISION-MAKING Judgment and Decision-Making presents a survey of current research in psychology, evolutionary theory, and economics on the factors that influence human choice behavior. Course participants will learn the major theories and current research in

decision-making and how to avoid common decision-making errors. Prerequisite: PSYC 1300. **[UD UCA Core: I, C]**

4310 COMPARATIVE PSYCHOLOGY The course will examine the study of behavior from an evolutionary perspective as it applies to both animals and humans. We will examine behavioral biodiversity and similarity across species. Prerequisite: PSYC 1300. Offered once a year.

4320 ABNORMAL PSYCHOLOGY Survey of behavior disorders, ranging from the mild to the severe. The etiology, treatment, and prognosis of the various maladaptive behavior patterns are examined. Category III elective. Lecture. Prerequisite: PSYC 1300.

4325 PHYSIOLOGICAL PSYCHOLOGY Techniques of investigation in physiological psychology. Structure and function of all nerves, muscles, and endocrine glands. Investigation of physiological basis for behavior. Category II elective. Lecture. Prerequisite: PSYC 1300.

4340 HISTORY AND SYSTEMS OF PSYCHOLOGY Study of philosophical and scientific antecedents of contemporary psychology. A required course for majors. Lecture. Prerequisite: Graduating senior psychology major. **[UD UCA Core: I, D]**

4351 APPLIED BEHAVIOR ANALYSIS The nature of a variety of behavior analysis techniques for addressing behavior problems in developmental disabilities, abnormal behavior, education, and social behavior. Category IV elective. Lecture. Prerequisite: PSYC 3351

4352 ADULT DEVELOPMENT AND AGING Survey of psychological aspects of the adult's role in contemporary society in relation to self-image, family, and vocation. A consideration of adulthood as developmental as applied to the physical, mental, emotional, and social being. Category III elective. Lecture. Prerequisite: PSYC 1300.

4360 INTRODUCTION TO MENTAL HEALTH PROFESSIONS Exploration of the professional practice of mental health for students interested in entering the field as a licensed psychologist or mental health practitioner. Topics include the history and current status of mental health professions, and ethical principles with a focus on evidence-based practice. Prerequisites: PSYC 4320 and psychology major status, or consent of instructor.

4377 STUDY ABROAD IN PSYCHOLOGY Psychology is a discipline with roots across the world so that many psychological topics can benefit from cross-cultural investigations. One example of a course that could benefit from study abroad would focus on the artistic technique of linear perspective, invented in Florence, Italy in the early 15th century. The art and science of the Italian Renaissance encouraged a move from the middle ages in which life on Earth was widely seen as a brief interlude preparing for an eternity in the afterlife to the Renaissance ideal that the individual and the surrounding world were worthy of our attention and admiration. Offered each summer I session. **[UD UCA Core: D]**

4390 PSYCHOLOGICAL TESTS AND MEASUREMENTS Theory and construction of tests, with concern for test selection and use. Category IV elective. Lecture. Prerequisite: PSYC 2330.

Physical Therapy

URL: http://uca.edu/ubulletin/courses/physical-therapy/

[1] Courses in Physical Therapy (PTHY)

4183, 4283, 4383 DIRECTED STUDY IN PHYSICAL THERAPY Directed elective study of a particular topic in physical therapy. Methods of instruction include readings and discussions and other methods agreed upon between instructor and students. Prerequisites: Consent of instructor.

4190 TOPICS IN PHYSICAL THERAPY: INTERNATIONAL STUDIES SEMINAR Topics in physical therapy with relation to various aspects of international health systems. Students will compare the US health care system and physical therapy services with those of other countries. Instruction includes lectures, discussion, networked (requiring computer), readings and local field trips. Prerequisites: Consent of instructor.

4290 TOPICS IN PHYSICAL THERAPY: INTERNATIONAL STUDY FIELD TRIP Study in a selected country to enhance knowledge of the health care systems and culture through organized field trip experiences. Prerequisites: Consent of instructor.

Other physical therapy undergraduate courses are inactive.

Quantitative Methods

URL: http://uca.edu/ubulletin/courses/quantitative-methods/

[1] Courses in Quantitative Methods (QMTH)

2330 BUSINESS STATISTICS This is a required course for all business majors as a part of the business foundation. The mode of instruction is lecture, working problems, and discussion. This course includes an introduction to descriptive statistics, probability theory (theoretical and empirical), discrete and continuous distributions, estimation, and sampling concepts. An emphasis is placed on hypothesis testing including type I and type II errors. Prerequisite: MATH 1390. **[ACTS: BUSI2103]**

3325 DATA ANALYSIS This course is an option for Finance and Management Information Systems (MIS) Business Analysis Concentration majors. Lectures emphasize computer use to solve problems and interpret results. The course includes in-depth study of experimental design, data cleaning, exploratory data analysis, confirmatory data analysis and data modeling. Prerequisite: QMTH 2330 or equivalent.

4341 QUANTITATIVE ANALYTICAL METHODS The course emphasizes quantitative aids to decision making including a review of probability, linear programming, queuing theory, simulation techniques, network analysis, and Markov analysis. Lecture/discussion. Prerequisite: QMTH 2330.

Radiography

URL: http://uca.edu/ubulletin/courses/radiography/

[1] Courses in Radiography (RADG)

2110 INTRODUCTION TO RADIOGRAPHY Structure, policies, and procedures of the school, radiology department, and hospital. Brief history of medicine and radiology. Professional organizations, licensure, and career opportunities. Basic principles of radiation protection are introduced.

2111 MEDICAL TERMINOLOGY The language of medicine. Word-building system of medical terminology: prefixes, suffixes, and root or stem words relating to the body and its systems. Terms, abbreviations, and symbols especially pertinent to radiology with emphasis on understanding the meaning of such words and their proper uses.

2112 IMAGE PROCESSING Knowledge of processing chemistry, the various systems of automatic processors and the radiographic film characteristics. Design and structure of the processing room and appropriate accessories are discussed. The causes of, and methods of eliminating, artifacts on film are learned as well as means of silver reclamation.

2113 RADIOGRAPHIC PROCEDURES I Radiographic positioning of the anatomic structures and organs of the body are correlated with human structure and function. Special or supplementary radiographic views, studies using contrast media, special procedures, and pediatric radiography are studied.

2114 MEDICAL ETHICS AND LAW Moral, legal, and professional responsibilities of the radiologic technologist are studied. Emphasis is placed on confidentiality and interpersonal relations with patients and other health care team members.

2115 CLINICAL EDUCATION I Clinical practice experiences and competencies are evaluated. The course is designed to allow the student to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured sequential competency based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined and evaluated. Clinical practice experience is designed to give the student the ability to provide excellent patient care and assessment, competent performance of radiologic imaging and total quality management. Levels of competency and outcomes measurement ensure the well-being of the patient preparatory to, during and following the radiologic procedure.

2120 PATIENT CARE IN RADIOLOGIC SCIENCES Concepts of care of the patient in radiology including both physical and psychological conditions. General nursing procedures, patient preparation for radiographic procedures, the basic forms of contrast media and the precautions for administering them, and emergency care. Preparation to deal with patients in a manner that does not add further discomfort or injury nor hinder recovery. Competency in cardiopulmonary resuscitation and IV therapy are obtained in this course.

2121 IMAGE ANALYSIS I Content is designed to provide a basis for analyzing radiographic images, including the importance of minimum imaging standards, discussion of a problem-solving technique for image evaluation and the factors that can affect image quality. Actual images will be included for analysis.

2130 IMAGE ANALYSIS II Continuation of RADG 2121.

2223 DIGITAL/FILM IMAGE ACQUISITION AND DISPLAY I Content is designed to impart an understanding of the components, principles and operation of digital imaging and film based imaging systems found in diagnostic radiology. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented.

2224 RADIOGRAPHIC PROCEDURES II Continuation of RADG 2213.

2231 DIGITAL/FILM ACQUISITION AND DISPLAY II Continuation of RADG 2223.

2232 RADIOGRAPHIC PROCEDURES III Continuation of RADG 2224.

2233 RADIATION PRODUCTION AND CHARACTERISTICS I General theories of physics at atomic and subatomic levels, electrostatics, and electronics related to radiographic practice, x-ray tubes and transformers, circuits, and equipment. The production of x-radiation, its properties, measurements, and interaction with matter.

2420 CLINICAL EDUCATION II Continuation of RADG 2115.

3140 PRINCIPLES OF RADIATION BIOLOGY Effects of ionizing radiations on living tissues. Included are discussions on relative sensitivity and resistance of organ systems, cellular and systemic response to radiation, and in-utero response to radiation. Acute and late effects of radiation.

3141 PRINCIPLES OF RADIATION PROTECTION Interactions of radiation with matter, its biological effects, and the need for protection. Methods for minimizing exposure to patients, maximum permissible dose equivalents, personnel monitoring, shielding, and methods of measuring ionizing radiation.

3142 IMAGE ANALYSIS III Continuation of RADG 2130.

3144 RADIOGRAPHIC PROCEDURES IV Continuation of RADG 2232.

3150 IMAGE ANALYSIS IV Continuation of RADG 3142.

3151 RADIOGRAPHIC PROCEDURES V Continuation of RADG 3144.

3243 RADIATION PRODUCTION AND CHARACTERISTICS II Continuation of RADG 2233.

3250 IMAGING EQUIPMENT Introduces the student to various methods of recording images, fundamentals of maintenance and relates principles of diagnostic imaging to the process of image production and the specific equipment it requires. Includes image intensification, magnification, tomography and digital. The student is acquainted with advanced imaging techniques, including Computed Tomography, Ultrasound, Nuclear Medicine and Magnetic Resonance Imaging.

3340 CLINICAL EDUCATION IV Continuation of RADG 3530.

3530 CLINICAL EDUCATION III (BHCLR) Continuation of RADG 2420. Requires admission to the Radiography program at Baptist Health College, Little Rock. Clinical Education III is a course taught in sequence following Clinical Education I and II. Clinical practice experiences and competencies are evaluated in this course. The course is designed to allow the student to sequentially develop, apply, critically analyze, integrate, synthesize, and evaluate concepts and theories in the

performance of radiologic procedures. Through structured sequential competency-based clinical assignments, concepts of team practice, patient-center clinical practices and professional development are discussed, examined, and evaluated. All clinical practice experiences are designed to give the student the ability to provide excellent patient care, assessment, competent performance of radiologic imaging, and total quality management. Levels of competency and outcomes measurement ensure the well-being of the patient preparatory to, during, and following the radiologic procedure.

3851 CLINICAL EDUCATION V (BHCLR) Continuation of RADG 3340. Requires admission to the Radiography program at Baptist Health College, Little Rock.

3900 CLINICAL EDUCATION (SV) III Clinical education ensures that the student is competent to perform a specific exam. Clinical Education III is the third in a series of courses that provides the student with the necessary clinical education needed in the actual practice of Radiography. The student continues to rotate through assigned clinical areas as assigned by the Clinical Coordinator. Prerequisite: RADG 2420

4162 RADIOGRAPHIC PATHOLOGY Concepts of disease. Trauma/physical injury, the systemic classifications of disease, and repair and replacement of tissue.

4164 INTRODUCTION TO QUALITY ASSURANCE Evaluation of radiographic systems to assure consistency in the production of quality images. Regulations governing quality assurance and the techniques, equipment, and procedures for attaining it.

4261 SENIOR SEMINARS Review session in those courses deemed critical for the registry examination. Students are also given simulated registry examinations to aid in the preparation and familiarization with conditions under which the registry is given. Computer literacy is also covered during this time.

4400 CLINICAL EDUCATION (SV) V This course examines the critical thinking and the structure of problem solving methodology in relation to the competencies, i.e., sequencing of multiple exams, analysis of emotional/physical impairments, age specifics needs, radiation protection, and complex management resulting in goal achievement. These competencies are established through real life or realistic simulated situations allowing the students to apply information through participation and performance. Prerequisite: RADG 3340

4760 CLINICAL EDUCATION VI Continuation of RADG 3851.

Religion

URL: http://uca.edu/ubulletin/courses/religion/

[1] Courses in Religion (RELG)

1320 WORLD RELIGIONS A UCA Core elective in the diversity in world cultures area and encouraged for all students majoring or minoring in the religious studies program. This course introduces students to the study of great religions of the world–Hinduism, Buddhism, Islam, Judaism, Christianity, and others–by examining their history, beliefs, moral teachings, rituals, and practices. Combines lecture and discussion.

1330 EXPLORING RELIGION A UCA Core elective in the humanities area. This course explores religion and the meaning of religion in its various forms as an expression of human culture. Students will be introduced to basic themes concerning the nature and function of religion and how religion expresses and relates to matters of ultimate concern for human beings. Combines lecture and discussion.

2300 RELIGION IN THE UNITED STATES An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies, and an elective for other interested students. The course examines ways in which various religions are adapting to contemporary circumstances in the United States. Combines lecture and discussion.

2332 JEWISH SCRIPTURES An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies, an elective for other interested students, and counts toward the major or minor in philosophy. This course critically studies the Jewish Scriptures. Combines lecture and discussion.

2333 CHRISTIAN SCRIPTURES An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies, an elective for other interested students, and counts toward the major or minor in philosophy. This course critically studies the Christian Scriptures. Combines lecture and discussion.

3301 THEORIES AND METHODS IN RELIGIOUS STUDIES A required course for all students majoring or minoring in religious studies, an elective for other interested students, and counts toward the major or minor in philosophy. Introduces students to the study of religion focusing on methodological approaches, forms of religious expression, perennial issues in religious world views, and issues facing religion in the modern world. Combines lecture and discussion. **[UD UCA Core: I, C]**

3315 TOPICS IN RELIGIOUS STUDIES An optional core (or elective, if not taken as a core) for students majoring or minoring in religious studies or philosophy, and an elective for other interested students. An examination of relationships between religious thought and experience and various other forms of cultural expression. For any given semester one area of interest in religion and culture will be explored. Combines lecture and discussion. May be repeated for credit.

3320 MODERN RELIGIOUS THOUGHT An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies or philosophy, and an elective for other interested students. This course studies the development of philosophical and theological thinking about religion and the modern world from the European Enlightenment to the 20th century. Combines lecture and discussion.

3325 BUDDHISM An optional core (or elective, if not taken as a core) course for religious studies majors and minors, and elective for philosophy majors and minors, and an elective for other interested students. This course surveys and examines critically the major traditions of Buddhism and Buddhist thought, from the advent of Buddhism in India 2,500 years ago to contemporary expressions in Asia and the West. Lecture, discussion. **[UD UCA Core: D, R]**

3330 RELIGION AND GENDER An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies or philosophy, an elective for students minoring in Gender Studies, and an elective for other interested students. An examination of the ways in which religion has impacted historical and contemporary understandings of gender and sexuality, as well as

the roles of women and men in religious organizations and society. Combines lecture and discussion. **[UD UCA Core: D, R]**

3335 JUDAISM An optional core (or elective, if not taken as a core) course for religious studies majors and minors, an elective for philosophy majors and minors, and an elective for other interested students. This course surveys and critically examines major Jewish traditions from the ancient world to the present. Lecture, discussion. **[UD UCA Core: D, R]**

3340 RELIGION, SCIENCE, AND TECHNOLOGY An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies or philosophy, and an elective for other interested students. This course critically examines the development and interaction of religion, science, and technology from the early modern period to the present. Combines lecture and discussion. **[UD UCA Core: I, C]**

3342 NEW AND ALTERNATIVE RELIGIOUS MOVEMENTS An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies, and an elective for other interested students. The course critically examines a variety of new and alternative religious movements in the United States today. Combines lecture and discussion.

3345 AFRICAN-AMERICAN RELIGIOUS THOUGHT An optional core (or elective, if not taken as a core) course for religious studies majors and minors, an elective for philosophy majors and minors and students majoring or minoring in African/African American Studies, and an elective for other interested students. This course studies various historical and contemporary figures and movements in African-American religious thought. Lecture, discussion. **[UD UCA Core: D]**

3380 INTERNSHIP IN RELIGIOUS STUDIES For Religious Studies majors and minors to fulfill an elective requirement. Each internship is tailored to the needs of the employer and the interests of the student. Internships require 120-150 hours of work with the employer for three hours of elective credit. Prerequisites: junior or senior standing and consent of departmental internship coordinator.

4300 RELIGIOUS STUDIES FOR HONORS TUTORIAL Independent study designed to provide the exceptional student with an opportunity to do advanced research in religious studies and graduate in the undergraduate scholars program. May count toward the major. Prerequisites: 3.25 GPA overall, 3.50 GPA in the major, and invitation by the religious studies faculty.

4305 CHINESE PHILOSOPHIES AND RELIGIONS An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies, and an elective for other interested students. This course provides a survey and history of the development of Chinese philosophies and religions. The course focuses on key ideas, texts, and figures of Confucianism, Daoism, and Buddhism.

4320 CONTEMPORARY RELIGIOUS THOUGHT An optional core (or elective, if not taken as a core) course for religious studies majors and minors, an elective for philosophy majors and minors, and an elective for other interested students. This course studies the thought of some of the most significant religious thinkers and movements of the twentieth and twenty-first centuries. Lecture, discussion. **[UD UCA Core: Z]**

4325 POSTMODERN THEOLOGY An optional core (or elective, if not taken as a core) for all students majoring or minoring in religious studies, and an elective for other interested students. This course examines the development of postmodern theology. it explores the emergence of Continental

French philosophy in the 20th century, and how it relates to currents of American academic theology. Combines lecture and discussion. **[UD UCA Core: Z]**

4330 READINGS IN RELIGIOUS STUDIES Independent studies course designed to deal in depth with specific problems and individuals in religious studies. Prerequisite: Consent of instructor.

Science Education

URL: http://uca.edu/ubulletin/courses/science-education/

[1] Courses in Science Education (SCI)

3320 ADVANCED SCIENCE CONCEPTS I A required course for the middle level mathematics/science degree. This course will facilitate active discovery learning that leads to the construction of new knowledge and the formation of scientific concepts for accurately understanding and explaining the natural world. Lecture and laboratory. Prerequisites: BIOL 1400, 1401, or 1402; and PHYS 1400, CHEM 1400, SCI 3410.

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, 1401, or 1402; and PHYS 1400.

3430 ESSENTIAL SCIENCE CONCEPTS A required course for the middle level language arts/social studies degree. This course will facilitate active discovery learning that leads to the construction of new knowledge and the formation of scientific concepts for accurately understanding and explaining our natural world. Prerequisites: BIOL 1400, 1401, or 1402; and PHYS 1400.

4314 APPLICATIONS OF MIDDLE-LEVEL SCIENCE A study of methods used in teaching integrated mathematics and science in middle schools. The course includes basic models, strategies, and skills for teaching. This course is required for professional Block III of the middle level mathematics and science teacher education program and emphasizes methods that actively engage students in learning. Course goals will be accomplished through the use of demonstrations, discussion, and field experiences. Prerequisite: MATH 3351 and SCI 3320 and admission to Middle Level Teacher Education. Required Corequisite: MSIT 4411.

4400 SECONDARY SCIENCE METHODS AND MATERIALS A required course for the secondary science education program. This course reviews instructional methods, curricula, materials for secondary science classrooms, laboratories, and field trips, and teacher-devised evaluation instruments. Lecture and laboratory. Prerequisites: Admission to Teacher Education.

4410 CONCEPTS OF SCIENCE A required course for the Elementary Education and Special Education programs. This course focuses on the development of science content knowledge that is emphasized in elementary and special education curricula. The course will address and facilitate active discovery learning leading to the construction of new knowledge and the formation of scientific concepts for accurately understanding and explaining the natural world. Lecture and laboratory. Prerequisites: BIOL 1400, 1401, or 1402; and PHYS 1400.

4420 ADVANCED SCIENCE CONCEPTS II A required course for the middle level mathematics/science degree. An extension of the active discovery learning in SCI 3320 to additional areas of natural science. Lecture and laboratory. Prerequisites: SCI 3320.

4190 INTERNSHIP I A required course for secondary level preservice teachers. This practicum-style course combines the study of discipline-specific teaching methods and materials with the study of secondary school curriculum. A field experience in a secondary school classroom is a component of the course. Prerequisites: Senior status, admission to Teacher Education.

4680 INTERNSHIP II A required course for secondary level preservice teachers. The primary goal is to provide teaching experience under supervision in a school setting. The secondary goal is to gain experience presenting environmental science content in the classroom. Full-day involvement at the school and in seminars is required. Prerequisites: Completion of all other courses in the BSE program. SCI 4400, SCI 4190. Corequisite: SCI 4681.

4681 INTERNSHIP II A required course for secondary level preservice teachers. The primary goal is to provide teaching experience under supervision in a school setting. The secondary goal is to gain experience presenting physical geography content in the classroom. Full-day involvement at the school and in seminars is required. Prerequisites: Completion of all other courses in the BSE program. SCI 4400, SCI 4190. Corequisite: SCI 4680.

Sociology

URL: http://uca.edu/ubulletin/courses/sociology/

[1] Courses in Sociology (SOC)

1300 PRINCIPLES OF SOCIOLOGY A UCA core course satisfying three hours of the Inquiry and Analysis requirement as a social science elective, a requirement for all sociology majors, and a prerequisite for most sociology courses. An introduction to the basic conceptual, theoretical, and methodological principles of sociology as an academic discipline for understanding the structure and patterns of human social life. Lecture and discussion. **[ACTS: SOCI1013]**

2300 FOUNDATIONS OF CRIMINAL JUSTICE An elective for majors and minors. An overview of the American criminal justice system focusing on law enforcement, the judiciary, and corrections. Lecture and discussion. Prerequisite: SOC 1300.

2321 SOCIAL STATISTICS A requirement for all majors and an elective for minors. This course focuses on developing students' ability to understand, apply, and interpret basic descriptive and inferential statistics. This course uses both lectures on the logic of statistics and workshops on the analysis of data sets using statistical computer software. No credit will be given in more than one introductory statistics course. Prerequisite: Sociology major or minor or consent of instructor.

2325 SOCIAL PROBLEMS An elective for majors and minors; satisfies the UCA Core Responsible Living requirement as a social science elective. Examination of contemporary social problems, their causes, and proposed solutions. Emphasizes the application of sociological theories to social problems related to the major systems and institutions in our society. Lecture and discussion. **[ACTS: SOCI2013]**

2342 SOCIOLOGY OF YOUTH An elective for majors and minors. A detailed exploration of social issues related to childhood and adolescence. Particular focus will be placed on youth role expectations and socialization processes as regulated by historical events, population trends, and social institutions. Lecture and discussion. Prerequisite: SOC 1300.

2360 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.

2361 DEVIANCE AND SOCIETY An elective for majors and minors. This course examines the dynamic interaction between society and those who deviate from expected norms, with an emphasis on the subjective nature of that relationship. Integrating texts and films, this course is designed to provide a more complete understanding of how deviant behavior is defined and sanctioned in our society. Lecture and discussion. Prerequisite: SOC 1300.

2395 SPECIAL TOPICS An elective for majors and minors. A special interest course in the discipline of sociology that examines the empirical findings and theoretical frameworks associated with the topic. The topical focus will be declared in the course title. May be repeated with different content for up to 9 hours of credit. Prerequisite: SOC 1300.

3310 RACIAL AND ETHNIC RELATIONS An elective for majors and minors. A study of racial and ethnic relations in the United States and the dilemmas posed by competing value-systems. Special attention is given to theoretical explanations and empirical evidence accounting for similarities and differences in access to US social resources. Lecture and discussion. Prerequisite: SOC 1300. **[UD UCA Core: D, R]**

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 and 2321. **[UD UCA Core: I, C]**

3321 QUALITATIVE RESEARCH METHODS An elective for majors and minors in sociology and anthropology (cross-listed as ANTH 3321) . A survey of the foundations, traditions, techniques, ethics, and scholarly works associated with qualitative and ethnographic research methodologies in sociology and anthropology. Lecture and discussion. Prerequisite: SOC 1300 or ANTH 1302. **[UD UCA Core: I, C]**

3330 SOCIOLOGY OF SPORTS An elective for majors and minors. The significance of sports in contemporary society and their connection to major spheres of social life; emphasis is placed on the intersection of sports with dominant cultural institutions and related issues of race, class, and gender. Prerequisite: SOC 1300.

3340 URBAN SOCIOLOGY An elective for majors and minors. 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.

3350 MARRIAGES AND FAMILIES 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, child-rearing, and divorce. Special emphasis will be placed on family demography, history, research methods, theory, and policy evaluation. Lecture and discussion. Prerequisite: SOC 1300.

3361 GENDER AND SOCIETY 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. **[UD UCA Core: D, R]**

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.

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.

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.

3395 SPECIAL TOPICS An elective for majors and minors. A special interest course in the discipline of sociology that examines the empirical findings and theoretical frameworks associated with the topic. The topical focus will be declared in the course title. May be repeated with different content for up to 9 hours of credit. Prerequisite: SOC 1300.

3398 TRAVEL SEMINAR An elective for majors and minors. Students are immersed in the culture and environment of the locale. Travel sites vary as do the topical areas of focus. Travel seminars include both domestic and international locations. Prerequisite: Consent of instructor.

4V90 SELECTED PROBLEMS (Variable credit: 1-3 credit hours.) An elective for majors and minors. Independent readings, discussions, and writings will be completed in specific areas of sociology that are of particular interest to the student. Prerequisite: Consent of instructor and department chair.

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.

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.

4310 GLOBALIZATION AND DEVELOPMENT This course is designed to evoke critical reflection on the economic, political, and social dimensions of globalization. Emphasis is placed on measuring development and identifying patterns of development over time throughout the regions of the world. The course will help students cultivate knowledge of globalization, analyze problems

related to globalization, and evaluate policies directed at managing these problems. This is an elective course. Prerequisite: SOC 1300.

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.

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.

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.

4330 SOCIAL THEORY A requirement for all majors and an elective for minors. This course examines the theoretical contributions to sociology of selected nineteenth and early twentieth-century scholars and proceeds to the assessment of contemporary theoretical perspectives in sociology including functional theory, conflict theory, and various micro interaction theories. Lecture and discussion. Prerequisite: SOC 1300 and a minimum of 15 hours in sociology.

4331 SOCIAL GERONTOLOGY An elective for majors and minors. This course covers the political economy of aging by examining societal-level responses to an aging population and the effects that societal responses have had on the elderly as a group. Lecture and discussion. Prerequisite: SOC 1300.

4334 MEDICAL SOCIOLOGY A requirement for all medical concentration majors and an elective for other majors and minors. This course examines the institution of medicine using sociological theories. Topics include social epidemiology, social factors that influence the medical institution, social construction of illness, and the doctor-patient relationship. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

4335 HEALTH ORGANIZATIONS A requirement for all medical concentration majors and an elective for other majors and minors. This course examines the development and current state of health care organizations and health care policies in the United States and other countries, focusing on detailed discussions of public and private insurance programs and policies. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

4341 POPULATION An elective for majors and minors. This course analyzes population data, trends, and theories from a sociological perspective, using sociological theories. Analysis includes the study of factors influencing fertility, mortality, and migration and the social consequences of these and other demographic variables. Lecture and discussion. Prerequisite: SOC 1300.

4342 STRATIFICATION An elective for majors and minors. This course focuses on explanations of stratification that results in the unequal distribution of wealth and income in society. The course

explores recent historical and contemporary research describing the nature of inequality by social classes as it relates to race, ethnicity, and gender. Lecture and discussion. Prerequisite: SOC 1300.

4343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS A requirement for all medical concentration majors and an elective for other majors and minors. This course acquaints students with the health culture of various ethnic groups, examines the integration of health programs into their environment, and promotes the application of research skills in selected populations. Cross-listed with H ED 4343/5353. Students will receive credit for only one of the courses. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

4351 FAMILY DIVERSITY An elective for majors and minors. An exploration of issues concerning family change in our culture. Emphasis will be placed on family forms other than the "traditional" family. Theoretical causes of structural changes and the consequences these changes bring to society as a whole will also be discussed. Lecture and discussion. Prerequisite: SOC 1300.

4355 VICTIMOLOGY A requirement for criminology concentration majors and an elective for other majors and minors. This course focuses on the social and psychological impact of crime and the criminal justice system on crime victims, historical and current status of the crime victim movement, and policy alternatives for interactions between victims and the legal and social service agencies. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

4360 SEMINAR A requirement for all majors. This course assists the student in the completion of a unique research project. Additional emphasis will be placed on research evaluation, resume construction, and career and educational opportunities for sociology graduates. Seminar. Prerequisites: 21 hours of sociology including SOC 2321, 3320 and 4330. **[UD UCA Core: Z]**

4370 INTERNSHIP An elective for majors and minors. A structured, supervised work experience. The student completes a minimum of 150 hours within the assigned agency during the term enrolled, maintains a log of activities, and provides the internship coordinator with a final paper. Prerequisites: 21 hours of sociology including SOC 2321, 3320, 4330; junior or senior standing; 2.5 GPA or higher; and consent of instructor.

4395 SPECIAL TOPICS An elective for majors and minors. An in-depth investigation into a significant social issue, emphasizing an examination of competing ideological orientations toward the issue. The topic varies annually but is announced in the course schedule. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor.

Spanish

URL: http://uca.edu/ubulletin/courses/spanish/

[1] Courses in Spanish (SPAN)

NB: A grade of C or better is required to advance in the Spanish program.

1V11 BASIC SPANISH COMMUNICATION (Variable credit: 1 or 2 credit hours.) Oral and written practice in basic Spanish communication designed to reinforce the work students are doing concurrently in Spanish 1310 or 1320 curriculum. Laboratory or classroom setting.

1310 ELEMENTARY SPANISH I Beginning study of Spanish designed for students with minimal or no experience in Spanish. The main goal of this course is to begin to learn to speak, read, write,

and comprehend basic Spanish. Special emphasis is placed upon the grammatical structures necessary for perfecting these communication skills. The student will also gain cultural awareness of Hispanic ways of life. May not be taken for degree credit if student has three or more years of high school Spanish, except by permission of the chair. **[ACTS: SPAN1013]**

1320 ELEMENTARY SPANISH II Continuation of beginning Spanish designed for students who have previously taken SPAN 1310. This course continues to develop the student's ability to speak, read, write and comprehend basic Spanish. Special emphasis is placed upon the grammatical structures necessary for perfecting these communication skills. The student will also gain cultural awareness of Hispanic ways of life. Prerequisite: C grade or better in SPAN 1310 or consent of chair. **[ACTS: SPAN1023]**

1330 ELEMENTARY SPANISH IN REVIEW Review of elementary Spanish for students who (1) have studied the language for two to three years successfully in high school, or (2) place into the class based on the results of UCA's Spanish placement process. This course seeks to review and solidify the basic skills covered in Spanish 1310 before concentrating on the major topics in Spanish 1320 and 2300. Upon successful completion of this course, students should enroll in Spanish 2310. Prerequisite: Two or more years of high school Spanish, departmental placement, or consent of chair.

2V12 COMMUNICATING IN SPANISH (Variable credit: 1 or 2 credit hours.) Oral and written practice of Spanish designed to reinforce the Spanish 1320 or 2300 curriculum. Does not fulfill the BA foreign language requirement.

2300 INTERMEDIATE SPANISH I Practical communication skills with emphasis on intermediate-level proficiencies using culturally authentic materials. Designed for the generalist, in particular the BA student. Does not apply toward major/minor requirements. Prerequisite: C grade or better in Spanish 1320, or consent of chair. **[ACTS: SPAN2013]**

2310 INTERMEDIATE SPANISH II Basic review followed by active use of reading, writing, speaking and listening skills. Discussion/lecture. Prerequisite: C grade or better in Spanish 1330 or 2300, or appropriate placement examination score or consent of chair. **[ACTS: SPAN2023]**

2320 INTERMEDIATE SPANISH III Further review of Spanish with practice of reading, writing, speaking and listening skills. Also fulfills Critical Inquiry Humanities elective in UCA CORE. Discussion/lecture. Prerequisite: SPAN 2310 or appropriate placement examination score and consent of chair.

2325 INTRODUCTION TO SPANISH PHONETICS This course examines the basics of Spanish pronunciation through a systematic analysis of the language's phonetic composition, based on the International Phonetic Alphabet (IPA) and exemplified with voice recordings of native Spanish speakers. Students are given ample opportunity to practice their pronunciation during the course of the semester, both in classroom exercises and in outside homework and projects. The target group for this course is non-native Spanish speakers, since many matters covered would pose little or no problem for native speakers. Prerequisite: SPAN 2310.

2330 INTRODUCTION TO BUSINESS SPANISH Special applications of Spanish to the business environment. Emphasis on a broad range of topics related to the needs of people working or living in the Spanish business community. Discussion/lecture. Prerequisite: SPAN 2310 or consent of chair.

2340 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 Languages, Linguistics, Literatures, and Cultures. Spanish 2340 cannot be counted toward the major or minor in Spanish, but it may be used to fulfill three credit hours at the intermediate level for the B.A. foreign language requirement. Prerequisite: SPAN 1320.

2350 INTERMEDIATE CONVERSATIONAL SPANISH This course is designed to develop intermediate level oral proficiency by providing extra speaking practice. Students will also complete short written assignments for grammar review. Discussion/lecture. Prerequisite: SPAN 2310.

3V60 PRACTICUM IN SPANISH (Variable credit: 1 or 2 credit hours.) Designed to enhance communication skills and cultural knowledge through participation in authentic language experiences. May be repeated for 6 hours, but a maximum of 3 hours may be applied to the major or minor program. Prerequisite: SPAN 2310 or consent of chair.

3V98 TRAVEL SEMINAR ABROAD [formerly SPAN 3398 and 3698] (Variable credit: 3 or 6 credit hours.) Intensive study abroad. Classes in Spanish conversation, Spanish/Spanish-American history, culture, and literature. Prerequisite: SPAN 2320 or consent of chair.

3300 ADVANCED GRAMMAR AND COMPOSITION In-depth study and review of advanced grammar topics, with intensive practice in speaking and writing idiomatic Spanish. Compositions prepare students to write in a variety of contexts, including narrative and persuasive discourse styles. Discussion/lecture. Prerequisite: SPAN 2320 and passing scores on proficiency tests in SPAN 2320, or departmental placement, or consent of chair. **[UD UCA Core: I, C]**

3301 ADVANCED SPANISH FOR HERITAGE SPEAKERS This is an advanced language course designed for Spanish heritage speakers who were born in the U.S. or immigrated during early childhood. Its major goal is the widening of the student's linguistic repertoire specifically focusing on grammatical functions necessary for success in academic and professional environments. Each of the chapters covered during the semester will focus on grammar, writing, reading, speaking, and listening. Course objectives will be realized through the explicit teaching of grammatical structures, cultural readings, oral presentations, and writing assignments. Prerequisite: A "C" or higher in SPAN 2320.

3303 ADVANCED COMPOSITION AND TEXTUAL ANALYSIS Contextual study of additional advanced grammar topics through analysis of literary and cultural texts. Advanced practice in speaking and writing with a focus on preparation for research, reading, and writing in literature and civilization courses. Discussion/lecture. Prerequisite: SPAN 3300, departmental placement, or consent of chair. **[UD UCA Core: I, C]**

3312 SPANISH CIVILIZATION Survey of historical, literary, and artistic elements of Peninsular society with an analysis of modern Spanish customs and social issues. Discussion/lecture. Prerequisite: SPAN 3300 or 3303 or consent of chair. **[UD UCA Core: D, I]**

3313 LATIN-AMERICAN CIVILIZATION Survey of Pre-Columbian civilizations, historical, literary and artistic trends with an analysis of modern Latin-American society. Discussion/lecture. Prerequisite: SPAN 3300 or 3303 or consent of chair. **[UD UCA Core: D, I]**

3315 TOPICS IN HISPANIC STUDIES Taught entirely in Spanish, this course is specifically designed for students who are in the process of improving their reading, writing, listening, and

speaking skills. Course content will include a diverse range of topics related to Hispanic studies. May be repeated for credit under different topics; however, it may only be used once to satisfy the requirement for a 3000-level course in the literature or civilization block, depending on the topic. Prerequisite: SPAN 3300. **[UD UCA Core: D, R]**

3320 SPANISH LITERATURE Introduction to Spanish literature, with emphasis on Spain. Discussion/lecture. Prerequisite: SPAN 3300 or 3303 or consent of chair. **[UD UCA Core: D, I]**

3321 LATIN AMERICAN LITERATURE Literature of the Hispanic world, with emphasis on Latin America. Discussion/lecture. Prerequisite: SPAN 3300 or 3303 or consent of chair. **[UD UCA Core: D, I]**

3330 ADVANCED BUSINESS SPANISH This course further develops the four language skills in the context of vocabulary and content related to commercial uses of Spanish. Designed to build on concepts introduced in Spanish 2330, the course will prepare students to communicate effectively in a variety of practical business settings. Discussion/lecture. Prerequisite: SPAN 2330 or 3300.

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.

3360 DRAMA-TEATRO: STAGING SPANISH ONE-ACT PLAYS Consists of reading, writing, rehearsals and public performances of one-act plays in Spanish. Designed for students who want to experience acting in Spanish, to engage in creative teamwork, and to polish their written and spoken Spanish. All oral and written coursework is in Spanish. Prerequisite: Completion of SPAN 2320 or permission of instructor.

3370 INTRODUCTION TO SPANISH TRANSLATION This course examines the essence of translation through a discussion of theory and its application to authentic texts involving general, economic, sci-tech, and political topics. Also explored are the professional possibilities in the field of translation. As assignments and tests involve translation both from Spanish to English and English to Spanish, the class is taught in both languages, with emphasis on Spanish. Prerequisite: SPAN 3300.

3380 SPANISH PRACTICUM IN SERVICE LEARNING This is a practicum course with a significant service learning element, designed to enhance communication skills as well as pedagogical and/or cultural knowledge through participation in authentic language experiences. Prerequisite: SPAN 2320 or consent of chair and instructor. **[UD UCA Core: R]**

4V00 INDEPENDENT STUDY IN SPANISH (Variable credit: 1-3 credit hours.) Prerequisite: Consent of instructor and chair.

4110 SENIOR CAPSTONE PROJECT Capstone course required of all students completing a track in the Spanish Concentration of the Modern Language Degree program. Students must complete a series of comprehensive assessments including proficiency examinations, self-assessments, essays and a final paper asking students to integrate their linguistic, cultural, and literary knowledge. Students completing the course will be required to complete an official ACTFL Oral Proficiency Interview. Discussion/lecture. Prerequisite: Completion of 24 hours in the major. **[UD UCA Core: Z]**

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 INTRODUCTION TO SPANISH LINGUISTICS This course is an introduction to the Spanish language system. After a basic examination of linguistic concepts, the course will explore Spanish phonetics, phonology, morphology, and syntax. In addition to an overview of the history of the Spanish language, the course may consider the implications of sociolinguistics, semantics, and linguistic variation. Required course for all teacher candidates. Prerequisite: SPAN 3300 or 3303 or consent of chair.

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: SPAN 3303, or 3312/13, or 3320/21 or consent of chair.

4396 HISPANIC STUDIES Theme course. Special studies relating to sociological, political, cultural, and philosophical aspects and/or trends in the Spanish-speaking world. May be repeated for credit under different topics. Discussion/lecture. Prerequisites: SPAN 3303, or 3312/13, or 3320/21 or consent of chair.

4397 TOPICS IN ADVANCED SPANISH LINGUISTICS This course allows for the exploration of a variety of advanced linguistic topics, varying by semester according to program needs, faculty availability and expertise, and student demand. Discussion/lecture. May be retaken for credit under a different topic. Prerequisite: SPAN 3300.

STEMteach

URL: http://uca.edu/ubulletin/courses/stemteach/

[1] STEMteach Courses (STEM)

1100 STEP 1: INQUIRY APPROACHES TO TEACHING The course instructor introduces students to the theory and practice behind exemplary inquiry-based science and mathematics instruction, guides them through the process of designing and preparing to teach lessons in local, high-need third-grade through sixth-grade classrooms to obtain firsthand experience in planning and implementation, and assesses their progress toward course objectives.

1101 STEP 2: INQUIRY-BASED LESSON DESIGN This course allows students to continue to develop the lesson planning skills learned in Step 1 as they become familiar with exemplary middle school (grades 6 – 8) mathematics and science curricula. After observing a lesson being taught in a local school district classroom, students work alone, or in pairs, and teach three inquiry-based lessons to middle school students in grades six through eighth. Prerequisite: STEM 1100.

1301 KNOWING AND LEARNING IN MATHEMATICS AND SCIENCE This course seeks to develop a tool kit of powerful approaches to knowing and learning in mathematics and science. This course focuses on issues of what it means to learn and know science and mathematics. Prerequisite: STEM 1100

2301 CLASSROOM INTERACTIONS This course continues the process of preparing candidates to teach mathematics and science in a secondary setting by providing opportunities to see how

theories explored in Knowing and Learning translate into classroom interactions in an instructional setting. Candidates design and implement instructional activities informed by their own understandings of what it means to know and to learn mathematics and science, and then evaluate the outcomes of those activities on the basis of student artifacts (i.e. what students say, do, or create). Prerequisite: Successful completion of STEM 1301 and admission to teacher education, or permission of the instructor.

3300 PROJECT-BASED INSTRUCTION Project-Based Instruction (PBI) is the capstone course in the sequence of professional development courses (Knowing and Learning, Classroom Interactions, and PBI) in the STEMteach program. This course is based on the premise that project-based instruction engages learners in exploring authentic, important, and meaningful questions of real concern to high school students. Project-based instruction equips candidates to promote equitable and diverse participation and to engage high school students in their learning as they learn fundamental science and mathematical concepts and principles that they can apply to their daily lives. Prerequisites: Permission of the instructor and admission to teacher education program. Prerequisite: STEM 2301 and admission to teacher education, or permission of the instructor.

3310 RESEARCH METHODS IN MATHEMATICS AND SCIENCE This course equips STEMteach candidates with the tools and resources needed to understand the role that science and mathematics plays in solving problems and in developing new knowledge and insights. Upon completion of the course, candidates will have developed skills in research and in the inquiry approach to teaching and learning. Prerequisites: STEM 1301 or consent of instructor.

4600 APPRENTICE TEACHING This course offers STEMteach candidates a culminating experience that provides them with the tools needed for their first teaching position. In Apprentice Teaching, candidates are immersed in the expectations, processes, and rewards of teaching. Apprentice Teaching requires field experiences in local secondary school and is taken concurrently with a weekly seminar that brings apprentice teachers together with university master teachers to share experiences and work on solutions to problems that they encounter in the field. Prerequisites: Completion of all other STEMteach courses or permission of the instructor. Students must be concurrently enrolled in STEM 4605 Apprentice Teaching Seminar. **[UD UCA Core: Z]**

4605 APPRENTICE TEACHING SEMINAR This course in the STEMteach sequence explores a selection of topics and episodes in the history of science and mathematics and prepares candidates to broaden their approach to mathematics and science instruction so that they might captivate and retain the interest of all students. By conveying particular human stories about why and how various branches of science and mathematics have originated and evolved, candidates gain insights into the critical thinking processes that lead to scientific creativity. The Apprentice Teaching seminar provides a supportive environment where apprentice teachers share their experiences and work on solutions to problems they may be experiencing. Master teachers teach the weekly seminar, share their teaching experiences, and facilitate discussions to help apprentice teachers develop their own successful teaching identities. The seminar is an effective forum for candidates to get guidance and additional assistance on classroom management, teaching strategies, and other issues that emerge during the semester. Prerequisites: Successful completion of all other STEMteach courses (except STEM 4600) or permission of the instructor. Candidates must be concurrently enrolled in STEM 4600.

Theatre

URL: http://uca.edu/ubulletin/courses/theatre/

[1] Courses in Theatre (THEA)

1122-4122 THEATRE PRODUCTION AND PERFORMANCE A required course for theatre majors and minors, offering practical experience in theatre production and performance. Each level may be repeated for a total of 2 hours credit each.

1300 ACTING FOR NON-MAJORS An elective course for non-majors and non-minors. Requires no previous acting experience. Through readings and classroom performance, students will experience the basic principles of acting including relaxation, concentration, improvisation, use of imagination, actions, objectives, initial monologue and scene work, and other basic terms and concepts of process work for the actor. This course does not satisfy any of the acting requirements for the Theatre major or minor.

1360 TEXT ANALYSIS FOR THE THEATRE A required course for theatre majors and an elective course for theatre minors. This is a course in text analysis for theatre practitioners, the intellectual basis upon which artistic decisions are made. Students will develop a process for analyzing play scripts for use as directors and designers in developing a concept, an approach to producing the play. Prerequisite: Declaration of a major or minor in Theatre or permission of instructor.

1370 VOICE AND MOVEMENT A required course for theatre majors and an elective course for theatre minors. Study of processes of vocal and physical performance and recognition of controllable elements in speech and the body. Drill work for improvement of flexibility, strength, physical and vocal expression, pronunciation, and articulation. Prerequisite: Declaration of a major or minor in Theatre or permission of instructor.

2200 DANCE FOR THE THEATRE This class is designed to introduce the theatre student to the fundamentals of dance for the theatre. The class will lead students to explore various movement and dance styles appropriate to the theatre, and will help students develop strength and flexibility needed for stage performance. Prerequisites: Declaration of a Theatre major, minor or permission of the instructor.

2300 THEATRE APPRECIATION A UCA Core course that satisfies three hours of the Inquiry and Analysis requirement as a fine arts elective. Awareness and appreciation of theatre art and its place in contemporary human culture. Incorporates study of theatrical styles, history, theory, and practice using live and recorded performances. May not be credited toward a major or minor in theatre. **[ACTS: DRAM1003]**

2320 STAGE MAKE-UP An elective course for theatre majors and minors. 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. Prerequisite: Declaration of a major or minor in Theatre or permission of instructor.

2325 FUNDAMENTALS OF THEATRICAL DESIGN A required course for theatre majors and minors. Introduction to critical methodology in conception, creation, and presentation of scenic, lighting, and costume design. Prerequisite: Declaration of a major or minor in Theatre or permission of instructor.

2330 STAGE MANAGEMENT An elective course for the theatre major or minor. Introduces the duties of the stage manager from rehearsal to performance. Areas of instruction include responsibilities and duties of the stage manager during periods of pre-production, rehearsal, performance, and post-production. Collaboration with director, actor, and technicians, and other appropriate topics.

2331 STAGECRAFT A required course for theatre majors and an elective course for theatre minors. Basic elements of the theatrical setting leading to competency in the procedures involved in the construction, painting, and dressing of scenery, and the use of the theatre building. Prerequisite: Declaration of a major or minor in Theatre or permission of instructor.

2390 ACTING I A required course for theatre majors and minors. An introduction to the physical, intellectual, and emotional aspects of acting, including basic movement, script analysis, and characterization techniques. Prerequisite: Declaration of a major or minor in Theatre or permission of the instructor.

3150/3250/3350 DIRECTED STUDY IN THEATRE Concentrated study of a topic or topics to be determined through instructor/student interaction. Does not count toward course requirements in the theatre major or minor. May be repeated for credit. May be used for honors studies with the consent of the department chair. Prerequisite: junior standing, minimum 3.0 GPA, or consent of the instructor.

3305 SCENIC PAINTING FOR THEATRE An elective course for Theatre majors and minors. Students will explore problems involving composition, scaling, and color using tools, materials, and techniques of theatrical scenic painting. Studio.

3310 COSTUME DESIGN A required or elective course for theatre majors, and an elective course for theatre minors. Applied theory and principles of design, specifically related to stage costume design. Emphasis is on the communicative and collaborative nature of costume design within the process of theatrical production. Prerequisite: THEA 2325 or consent of instructor.

3320 DIGITAL DESIGN An elective course for theatre majors and minors. The study of digital image design and multimedia manipulation for the theatre artist. Through lecture and lab work, students learn to use diverse software applications integrating text, sound, images, animation, and video to complete a theatre project and create an individualized acting, directing, or theatrical design portfolio for the internet. Prerequisite: THEA 2325 or by consent of instructor.

3324 THEATRE HISTORY I A required course for theatre majors and an elective for theatre minors. The first part of a two semester series offering an historical and critical survey of theatre and drama from origins to 1700. The course includes study of architecture, theatrical conventions, design styles, acting styles, dramatic literature, and noted theatrical artists. The course will also cover major arguments in dramatic theory. **[UD UCA Core: I]**

3325 THEATRE HISTORY II A required course for theatre majors and an elective for theatre minors. The second part of a two semester series offering an historical and critical survey of theatre and drama from 1700 to the present. The course includes study of architecture, theatrical conventions, design styles, acting styles, dramatic literature, and noted theatrical artists. The course will also cover major arguments in dramatic theory. **[UD UCA Core: D, C]**

3331 STAGECRAFT II An elective for theatre majors and minors. Advanced study of stagecraft through the use of production project assignments. Projects and topics covered will include technical

problem solving, advanced tool use, alternative materials and rigging methods. An elective for theatre majors and minors. Prerequisite: THEA 2331 or consent of instructor.

3332 STAGE LIGHTING A required or elective course for theatre majors. Stage lighting design and its role in theatre, film, and TV production is examined, including types of instruments, lamps, color media, control devices, and history. Laboratory work in UCA theatre productions is offered. Prerequisite: THEA 2325 or consent of instructor.

3390 ACTING STYLES: FARCE, COMMEDIA, COMEDY OF MANNERS An elective course for theatre majors and minors. Student actors will explore techniques of performing in the comedic styles of farce, commedia dell'arte, and comedy of manners. Prerequisites: THEA 2390 or consent of the instructor.

3391 ACTING STYLES: SHAKESPEARE, GREEK An elective course for theatre majors and minors. Using performance material written in verse, students will explore the techniques of performing Shakespeare and Greek theatre. Prerequisite: THEA 2390 or consent of the instructor.

4300 PROFESSIONAL ISSUES This is a required course for Theatre majors and an elective course for Theatre minors. It is designed to help prepare the student to pursue meaningful personal and professional goals following completion of the undergraduate degree. Course topics will include preparation in choosing and applying for graduate programs; preparation for professional interviews and auditions; identifying and making choices based on life goals, meaningful collaboration with others, and awareness of physical health and its impact on individual success. Prerequisite: Junior or Senior status, declaration of a major or minor in Theatre or permission of the instructor. **[UD UCA Core: R]**

4305 ACTING FOR THE CAMERA An elective course for theatre majors and minors. Building on the actor's knowledge of stage acting, students will be given on-camera experience in the fundamental techniques that are particular to acting for the camera. Topics covered will include listening and reacting, distance and relationship, shot size and the actor, and on-camera auditions. Prerequisites: THEA 2390 and/or permission of instructor.

4315 TOPICS IN THEATRE PERFORMANCE An elective course for theatre majors and minors. In-depth studies in selected theories and methods of performance such as musical theatre, Elizabethan theatre, children's theatre, and experimental theatre. May be repeated for credit up to 6 hours. Content changes See semester schedules for description of content. Prerequisite: THEA 1360 and 2390.

4320 DIRECTING FOR THE STAGE This course explores the fundamentals of directing for the stage, and the role of the director in the theatrical event. Through discussion, exercises, and the preparation and presentation of dramatic pieces, students will be encouraged to develop their artistic imaginations and their own processes for manifesting their dramatic visions. Students will each direct a piece for the Festival of One-Act Plays and Scenes. Prerequisites: Junior or Senior standing, THEA 1360 and THEA 2390 or consent of instructor. **[UD UCA Core: Z]**

4321 TOPICS IN TECHNICAL THEATRE An elective course for theatre majors and minors. 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 See semester schedules for description of content. Prerequisite: THEA 2331 or consent of instructor.

4322 THEATRE WORKSHOP An elective course for theatre majors and minors. Advanced training in directorial methods and organization, performance techniques, and experimental theatre practices.

4326 COSTUME HISTORY An elective course for theatre majors and minors. This course examines the history and fabrication of western clothing, as well as its aesthetic, cultural, political and economic influences from Antiquity to 1990.

4340 SCENE DESIGN A required or elective course for theatre majors and an elective course for theatre minors. Theories and styles of scenic design and their application to the individual play. Prerequisite: THEA 2325 and 2331 or consent of instructor.

UCA Consortium

URL: http://uca.edu/ubulletin/courses/uca-consortium/

[1] UCA Consortium (UCAC)

UCAC 1101-4606 CONSORTIUM Studies through an approved consortium program in which the University holds membership.

UCA Study Abroad

URL: http://uca.edu/ubulletin/courses/uca-study-abroad/

[1] UCA Study Abroad (UCAS)

UCAS 2V02-4V02 Study Abroad Studies through an approved exchange program with an international institution.

University College

URL: http://uca.edu/ubulletin/courses/university-college/

[1] University College Courses (UNIV)

0331 PROGRESSIVE MATHEMATICS I This course is designed to prepare students for general education math courses. Students will be guided through math modules in a computer classroom. Students wishing to take Quantitative Literacy, MATH 1360, will need to complete through Module 10. Students wishing to take College Algebra, MATH 1390, will need to complete through Module 15. Completing the UNIV 0331-0333 sequence will satisfy the requirements for UNIV 1330 and UNIV 1340. Students who successfully complete the module sequence will receive a grade of A and may proceed into their general education math course. Students receiving a grade of S, Satisfactory, will be enrolled in UNIV 0332, Progressive Mathematics II the following semester. Students receiving a grade of U, Unsatisfactory, will be required to repeat UNIV 0331 the following semester.

0332 PROGRESSIVE MATHEMATICS II This course is a continuation of Progressive Mathematics I. The course is designed to prepare students for general education math courses. Students will be guided through math modules in a computer classroom. UNIV 0332 is required for students who earned a grade of S in Progressive Mathematics I and did not complete at least 10

modules. Completing the UNIV 0331-0333 sequence will satisfy the requirements for UNIV 1330 and UNIV 1340. Students who successfully complete the module sequence will receive a grade of A and may proceed into their general education math course. Students receiving a grade of S, Satisfactory, will be required to take UNIV 0333 the following semester. Students receiving a grade of U, Unsatisfactory, will be required to repeat UNIV 0332 the following semester. Prerequisite UNIV 0331.

0333 PROGRESSIVE MATHEMATICS III This course is a continuation of Progressive Mathematics II. The course is designed to prepare students for general education math courses. Students will be guided through math modules in a computer classroom. UNIV 0333 is required for students who earned a grade of S in Progressive Mathematics II and did not complete at least 10 modules. Completing the UNIV 0331-0333 sequence will satisfy the requirements for UNIV 1330 and UNIV 1340. Students who successfully complete the module sequence will receive a grade of A and may proceed into their general education math course. Students who do not complete at least 10 modules will be suspended from UCA. Prerequisite: UNIV 0332.

0350 FOUNDATIONS OF QUANTITATIVE LITERACY Students must be enrolled in MATH 1360 (Quantitative Literacy) to enroll in UNIV 0350. Students will learn and review basic mathematical concepts needed to succeed in Quantitative Literacy. Concepts covered will include solving linear equations, percents and decimals, and using a graphing calculator. This course is open to any student while enrolled in MATH 1360 but required for students with ACT Mathematics subscore of 18 and below or the equivalent.

0361 FUNDAMENTALS OF COLLEGE LITERACY: READING, REASONING, AND WRITING An introduction to the strategies needed in college-level reading and writing. Entering students with an ACT subscore below 19 (or equivalent placement score) in Reading or an ACT subscore below 16 (or equivalent) in English are required to register for this course during their first enrollment period and during each subsequent enrollment period until they earn a course grade of "C" or higher. The grade in this course will not be used to compute semester and cumulative grade point averages. The course does not count toward any degree.

0390 FOUNDATIONS OF COLLEGE ALGEBRA Students must be enrolled in MATH 1390 (College Algebra) to enroll in UNIV 0390. Students will learn and review basic mathematical concepts needed to succeed in College Algebra. Concepts covered will include graphing, functions, linear equations and inequalities, quadratic equations, operations with real numbers, polynomials, rational functions, and radical functions. The use of a graphing calculator will be required throughout the course for computations and graphing. This course is open to any student while enrolled in MATH 1390 but required for students with ACT Mathematics subscore of 18 and below or the equivalent.

1100 UNIVERSITY STUDIES This course is designed to aid students in being successful at a collegiate level as well as in their personal lives. There are two primary goals: (1) Empower students to become successful learners at the collegiate level. (2) Empower students to develop a realistic sense of themselves as healthy citizens in a university, professional, public and global community. The grade in this course will not be used to compute semester and cumulative grade point averages. The course does not count toward any degree.

1300 TRANSITIONAL WRITING An introduction to the skills needed in college-level writing. Entering students with an ACT score below 19 in English are required to register for this course

during their first enrollment period and during each subsequent enrollment period until they earn a course grade of C or higher. The grade in this course will not be used to compute semester and cumulative grade point averages. The course does not count toward any degree.

1301 TRANSITIONAL READING An introduction to the strategies needed in college-level reading. Entering students with an ACT score below 19 in Reading are required to register for this course during their first enrollment period and during each subsequent enrollment period until they earn a course grade of C or higher. The grade in this course will not be used to compute semester and cumulative grade point averages. The course does not count toward any degree.

1330 BEGINNING ALGEBRA This course introduces students to fundamental algebraic concepts in preparation for Intermediate Algebra. Concepts covered include word problems, fractions, graphing, linear equations and inequalities, factoring, operations with real numbers, and polynomials. Lecture and activity based instruction. Entering students with an ACT score below 19 in Math are required to register for this course or UNIV 1340 Intermediate Algebra during their first enrollment period. Once enrolled, students must enroll in UNIV 1330 during each subsequent enrollment period until they earn a course grade of C or higher, after which they must enroll in UNIV 1340 the following semester. Students enrolling in this course may have only three total attempts between this course and UNIV 1340 to complete their remediation requirements in Math. The grade in this course will not be used to compute semester and cumulative grade point averages. The course does not count toward any degree.

1340 INTERMEDIATE ALGEBRA This course introduces students to fundamental processes: functions, graphing, linear equations and inequalities, quadratic equations, factoring, operations with real numbers, polynomials, rational expressions, and radicals. Lecture and activity based instruction. Entering students with an ACT score below 19 in Math are required to register for this course or a UNIV 1330 Beginning Algebra course during their first enrollment period and must enroll in UNIV 1340 during each subsequent enrollment period until they earn a course grade of C or higher. Students may have only three total attempts to complete their remediation requirements in Math. The grade in this course will not be used to compute semester and cumulative grade point averages. The course does not count toward any degree.

World Languages

URL: http://uca.edu/ubulletin/courses/world-languages/

[1] Courses Offered in English (WLAN)

1300 ELEMENTARY LANGUAGE I Beginning study in a language other than those normally taught at UCA. Emphasis on grammatical concepts leading to a basic reading ability and/or speaking skills.

2300 LEVEL 5 INTENSIVE ENGLISH CORE PROGRAM Credit for WLAN 2300 will be granted to international students enrolled full-time in the IEP program who meet the following criteria: (1) completion of Level 3 of the Intensive English Program with a 3.0 GPA; (2) all As and Bs in IEP classes and a score of 500 or above on TOEFL; (3) passing scores on the Compass reading and writing tests for transitional classes or equivalent scores on the ACT or SAT tests; (4) previous admission to UCA on the basis of high school grades or grades issued by another university from which the student is transferring.

2315 CULTURAL STUDIES Satisfies the 3-hour Diversity in Creative Works humanities requirement in the UCA Core. Examination of one or more world cultures, their individual and group values, and their ways of life as reflected in cultural productions: i.e., literature (short stories, essays, novels, poetry) film, and art. May be repeated for credit under different topics. Includes work on speaking and writing skills. May not be presented as part of the foreign language requirement for the BA degree.

2325 ISSUES OF CULTURAL IDENTITY IN THE AFRICAN DIASPORA Satisfies the 3-hour humanities requirement of the Diversity in World Cultures area of the UCA Core and fulfills elective credit in the African/African-American studies major and minor. An introduction to issues of cultural identity in post-colonial cultures of the French or Spanish speaking world, including cultural diasporas. Examination of cultures of Africa, the Caribbean, and/or the Americas as reflected in literature (e.g., short stories, essays, novels, poetry) and film. Includes work on speaking and writing skills. Lecture, discussion.

2350 WORLD LANGUAGES Cross-listed with LING 2350 World Languages; one of these courses is required for the Linguistics major and minor and for the TESOL minor. This course also satisfies the linguistics foundation course for all Modern Languages majors in French, Mandarin Chinese, and Spanish. Fulfills a Critical Inquiry Humanities requirement in the UCA Core. This course provides an introduction to the world's languages from geographical, historical, social, and psychological perspectives. Emphasis is on the diversity of the world's languages as well as their underlying unity. Lecture, discussion.

3390 WORLD LANGUAGES INTERNSHIP This course provides a structured, supervised work experience in a federal, state, or local agency, non-profit agency, or with an elected official. Each internship is unique to the needs of the student and the participating employer. However, each student will complete a minimum of 100 hours of work within the semester. The activities and work hours will be determined by the student and the employer prior to the first day of the internship. This course is an elective for a WLAN major and minor. The internship will count as an upper-division elective course. The student must consult the internship coordinator prior to the start of the internship for approval. Prerequisite: Permission of department chair.

4315 METHODS OF TEACHING SECOND LANGUAGES A required course for the ESL Endorsement (with an Arkansas teaching license); the Teacher Education track in Mandarin Chinese, French, or Spanish; the Linguistics major, Track Two (TESOL); and the TESOL minor. It is an elective in the Linguistics minor. Modern methods of instruction in foreign language, English as a second language, and culture. Materials, planning, and classroom techniques are emphasized. Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences. May not be presented as part of the foreign language major or minor requirements. Prerequisite: Admission to the teacher education program or consent of department chair.

4325 SECOND LANGUAGE ACQUISITION A required course for the ESL Endorsement (with an Arkansas teaching license); the Teacher Education track in Mandarin Chinese, French, or Spanish; the Linguistics major, Track Two (TESOL); and the TESOL minor. It is an elective in the Linguistics minor. A study of the most common theories and research on second language acquisition (SLA), similarities and differences of first and second language acquisition, and the relevance of SLA to classroom teaching of second languages. Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences. May not be

presented as part of the foreign language major or minor requirements. Prerequisite: Consent of department chair.

4330 SECOND LANGUAGE ASSESSMENT A required course for the ESL Endorsement (with an Arkansas teaching license); the Teacher Education track in Mandarin Chinese, French, or Spanish; and an elective in the Linguistics and TESOL minors. A study of second language assessment techniques and procedures. Construction and critique of instruments for assessing proficiencies in listening, speaking, reading, and writing. Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences. May not be presented as part of the foreign language major or minor requirements. Prerequisites: Admission to the teacher education program or consent of department chair.

4350 INTERNSHIP I Internship I is part of the senior block for candidates in foreign language education. The internship occurs in a P-8 classroom setting where candidates gain experience in organizing instruction, in creating a productive learning environment, in teaching for student learning, and in achieving professional behaviors. Requires concentrated time weekly in the school. Taken the semester prior to Internship II. Prerequisites: Admission to the teacher education program and completion of designated professional education and specialty courses.

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 minor or major requirements. Prerequisite: Consent of chair.

4690 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 WLAN 4691. Prerequisites: Admission to teacher education and successful completion of Internship I.

4691 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 WLAN 4690. Prerequisites: Admission to teacher education and successful completion of Internship I.

Writing

URL: http://uca.edu/ubulletin/courses/writing/

[1] Courses in Writing (WRTG)

1310 INTRODUCTION TO COLLEGE WRITING Part of the lower-division UCA Core (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 English score of 19 or higher or prerequisite/corequisite completion of UNIV 1300 with a grade of C or higher. **[ACTS: ENGL1013]**

1320 ACADEMIC WRITING AND RESEARCH Part of the lower-division UCA Core (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 substantiating, 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. **[ACTS: ENGL1023]**

1374 FIRST-YEAR SEMINAR IN DIVERSITY IN CREATIVE WORKS The FYS in Diversity in Creative Works provides students with a small-classroom environment designed to promote community, develop skills necessary for success, and reinforce the importance of written communication. Topics will vary depending on instructor.

2325 INTRODUCTION TO RHETORIC This course acquaints students with basic rhetorical knowledge demanded by their academic growth in rhetoric, technical/professional writing, and composition studies. It will introduce students to three key areas of rhetoric: (a) a brief historical account of rhetoric, (2) basic concepts of classical rhetoric, and (3) basic forms of rhetorical analysis. In addition to class discussions and lectures, students will be tested and write critiques of rhetorical discourse. Prerequisite: WRTG 1320.

2330 INTRODUCTION TO WRITING STUDIES Introduction to Writing Studies provides a survey of the history, key concepts, and practices of the field. These include social history of writing as a technology; theories on writing and identity, ideology, and politics; writing as a mode of expression, cognition, and memory; and writing as recognizable form and genre. Students will complete a variety of reflective, analytical, and practical writing projects over the course of the semester. Prerequisite: WRTG 1320.

3305 WRITING AS INFORMATION DESIGN 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.

3306 INFORMATION DESIGN II: USABILITY AND ACCESSIBILITY An advanced course in rhetorical approaches to writing for digital media. Students create multimodal digital texts and leave the course with portfolio items. The course takes students through the writing process from proposal development through the recursive global and local drafting and revision stages to the final reflective piece. Required for the Writing major and minor, Professional Writing track. Elective in the Writing major and the minor, General Writing track. Prerequisite: WRTG 3305.

3307 INTRODUCTION TO EDITING Introduces fundamentals of comprehensive editing and hones basic copyediting skills. Students learn to work with writers as comprehensive editors from the concept stage of the writing process through analysis of audience and purpose, focus, organization, development, and more, finally moving to basic copyediting at the sentence level. One of a group of five courses from which students choose three for the Writing major, Professional Writing track. Elective in the Writing major and minor, General Writing track. One of a group of six courses from which students choose three in the Professional Writing minor. Prerequisite: WRTG 1320 and at least junior standing.

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. **[UD UCA Core: C]**

3315 WRITING CENTER PRACTICUM Training course for Tutoring in the UCA Writing Center. This course is an elective in the TESOL minor. Exposure to rhetorical and linguistic concepts that enhance the tutoring of composition and oral presentations. Prerequisites: WRTG 1320, COMM 1300, and consent of the Writing Center Director. **[UD UCA Core: C]**

3340 WRITING ACQUISITION: THEORY AND PRACTICE Designed for the mid-level teacher education candidate, this course introduces basic theories behind the teaching of writing and addresses the literacy benchmarks established for mid-level grades. Students will learn strategies for teaching the writing process. Prerequisite: 1320.

3390 DISCOURSE ANALYSIS An elective for Writing majors and minors, and Linguistics majors (Track 4) and minors. Students will examine texts of several types to analyze how a text means and why it means as it does. Both quantitative and qualitative methodologies will be used in written analyses of texts of the student's choosing. Discussion, workshop. Prerequisite: WRTG 1320. **[UD UCA Core: I, R]**

4V80 DIRECTED STUDY IN WRITING (Variable credit: 1-3 credit hours) Provides opportunities for advanced study of specific topics in writing. It is designed for students who have completed basic and intermediate courses and who want to study specific topics that are not offered in the curriculum. Directed Study is especially useful to students who plan to go on to graduate study and to students seeking professional careers in writing. Prerequisite: WRTG 1310 and 1320.

4305 COMPOSITION THEORY AND PEDAGOGY An upper-division elective for writing majors and minors and students interested in teaching writing. This course examines composition theory and pedagogy through both readings and direct observation of composition classrooms. The first half of the course concentrates on the history of contemporary composition theory and the key issues fundamental to the development of the disciplines. The second half of the course concentrates on how these theories are applied in today's composition classroom. Students will analyze the composition teaching they observe and relate it to theories discussed. Lecture, discussion. Prerequisite: WRTG 1320.

4306 WRITING FOR DIGITAL MEDIA III: CLIENTS AND PROJECT MANAGEMENT Building on the theoretical and practical work undertaken in Writing for Digital Media II, students work with an organization in the community to develop one or more substantial multimodal digital texts for that organization. Students leave the course with portfolio items and connections to writers in the community. One of a group of five courses from which students choose three for the Writing major, Professional Writing track. One of a group of six courses from which students choose three in the Professional Writing minor. Elective in the Writing major and minor, General Writing track. Prerequisite: WRTG 3306 or permission from instructor.

4307 PRACTICAL RHETORIC: THEORY AND PRACTICE OF WRITING IN THE WORKPLACE Upper-division course examining practical applications of rhetoric and writing in the professions and the workplace. Students will research rhetoric and writing in an academic, non-academic, and non-profit organization, analyze the use of techne and phronesis as they apply in one of those organizations, and conduct interviews with organization personnel regarding their professional writing practices. Required for the Writing major, Professional Writing track. One of a group of six courses from which students choose three in the Professional Writing minor. Elective in the Writing major and minor, General Writing track. Prerequisite: WRTG 2325 or permission of the instructor.

4308 WRITING FOR CHANGE: ADVOCACY WRITING Students research political, environmental, socioeconomic, and/or historical conditions of a particular issue/event. Through both primary and secondary research, students produce writing to promote action from their target audience. Advocacy writing through service learning may play a pivotal role in this course. Students gain greater understanding of national issues and how writing can evoke change within the community, private business, nonprofit organizations, and local and national government. Required for the Writing major. Professional Writing track. One of a group of six courses from which students choose three in the Professional Writing minor. Elective in the Writing major and minor, General Writing track. Prerequisite: WRTG 1320 and at least junior standing or permission of the instructor. **[UD UCA Core: Z]**

4309 INTRODUCTION TO PUBLISHING Fundamentals of publishing writing for print and digital media. Focus on contrast between designing and delivering information for print versus digital media. Considers publishing variables such as color, graphics, preparation, file formats and document design. One of a group of five courses from which students choose three for the Writing major, Professional Writing track. One of a group of six courses from which students choose three in the Professional Writing minor. Elective in the Writing major and minor, General Writing track. Prerequisite: WRTG 3305.

4320 INTERCULTURAL RHETORIC AND WRITING Elective for writing majors and minors and other students interested in persuasion. Provides students with an understanding of the impact of rhetorical traditions on written and oral communications in non-Western cultures. Prerequisite: WRTG 1320. **[UD UCA Core: D]**

4360 RESEARCH METHODS IN WRITING STUDIES Required upper-division seminar for Writing Studies majors and minors. Focuses on qualitative, quantitative, and mixed method approaches to research in Writing Studies. Student will examine various approaches to research, consider ethical implications, and create original research plans. Prerequisite: WRTG 2330 and Junior standing.

4370 EXEMPLARY STUDIES SENIOR THESIS This course satisfies a requirement for graduation from the Exemplary Studies Undergraduate Scholars Program and for graduation with honors from the major department. The student will enroll in the course in order to prepare for submission, no later than the last day of instruction for the semester in which the student will graduate, an honors thesis (a research paper, project, performance, or presentation) of twenty to thirty pages or the performance equivalent demonstrating original, reasoned research or creative work. Discussion, writing, and group work. Prerequisite: Acceptance in major department's Exemplary Studies Program.

4381 SPECIAL TOPICS IN WRITING An elective for majors and minors in Writing. In-depth investigation of a significant figure, group, historical period, genre, or issue in rhetoric or writing. Content varies. Course may be repeated for credit. Offered Lecture, discussion, research, writing. Prerequisite: senior status and writing major or minor.

4385 INTERNSHIP IN WRITING Emphasizes professional writing experience from work sites either inside or outside the university. Interns are supervised by department faculty and work site manager. The internship also applies to students seeking on-the-job experience in Linguistics. Prerequisites: WRTG 1320, one 3000-level writing course, and consent of department chair. May be

repeated for credit with a different internship project if recommended by the internship coordinator and approved by the department chair.

5. Other Information

The following pages have not been reproduced in this document:

Sitemap

URL: http://uca.edu/ubulletin/sitemap/

Change Log

URL: http://uca.edu/ubulletin/change-log/

Bulletin Reference Conventions

URL: http://uca.edu/ubulletin/refsys/

Graduate Bulletin

1. Graduate Bulletin Notices

Contents linked from the Academic Bulletins site (and from others) is not repeated here, but the headings and URLs are included to indicate what is presented in the site.

Accreditation

URL: http://uca.edu/accreditation/

Bulletin Provisions

URL: http://uca.edu/academicbulletins/bulletin-provisions/

Notice of Non-Discrimination

URL: http://uca.edu/academicbulletins/notice-of-non-discrimination/

2. General Policies and Information

Contents linked from the Academic Bulletins site (and others) is not repeated here, but the headings and URLs are included to indicate what is presented on the page.

About UCA

URL: http://uca.edu/academicbulletins/mission-and-origins-of-the-university/

Information Directories

URL: http://uca.edu/gbulletin/information-directories/

[1] Graduate School

University of Central Arkansas
201 Donaghey Avenue
Torreyson West 328
Conway, Arkansas 72035-0001
(501) 450-3124

The Graduate School is located on the third floor of the west end of Torreyson Library in Suite 328. Office hours are 8:00 a.m.–4:30 p.m., Monday through Friday, including the noon hour.

[2] Graduate Council

See the most current available Graduate Council roster at
http://uca.edu/graduateschool/graduate-council/

[3] Graduate Office Staff

Angela Barlow, PhD
Dean of the Graduate School (interim)
Phone: 450-3124
Email: abarlow5@uca.edu

Patti Hornor
Program Coordinator
Phone: 450-3124
Email: phornor@uca.edu
Graduate Assistantships, Graduate School Incentive Scholarship (COE), University Research Council, Summer Stipends, Graduate Council, Faculty Emeritus, Honorary Degree, and Sabbatical Leave

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Degree Works and Graduation
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Admissions, registration, candidacy, and graduation for Colleges of Business, Education, Fine Arts and Communication and Health & Behavioral Sciences.

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Administrative Specialist
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[4] Whom to Contact

[4.1] Department Chairs and Graduate Coordinators

Department chairpersons and graduate advisors/coordinators are available for consultation. Contact information is listed below.

Accounting

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Advanced Studies in Teacher Leadership

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Biology

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Business Administration

Mark McMurtrey, MBA Coordinator
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College Student Personnel Services and Administration

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Susan R. Barclay, Program Coordinator
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Communication Sciences and Disorders

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Computer Science

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Sinan Kockara, Graduate Coordinator
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Creative Writing

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Film

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Educational Leadership

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Exercise Science

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Family and Consumer Sciences

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Geographic Information Systems

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Health Sciences

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Heather Hudson, Graduate Coordinator
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History

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Instructional Technology

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Leadership Studies PhD

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Master of Arts in Teaching

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Music

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Nursing

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Occupational Therapy

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Physical Therapy

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Psychology and Counseling

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Reading

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School Leadership, Management, and Administration
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Spanish

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Travis Sorenson, Graduate Coordinator
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Special Education

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Janet Filer, Graduate Coordinator
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[4.2] Other Important Phone Numbers

Outreach and Community Engagement
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Admission to Graduate Studies
Graduate Office
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Bookstore
The UCA Bookstore
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Student Accounts, Fee Payment
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Candidacy
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Counseling Center
Susan Sobel, Director
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Course Schedule
Web site: course schedule

Financial Aid Office
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Graduate Assistantships
Graduate Office
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Graduate Record Examinations
Graduate Office
Phone: 450-3124

Graduation
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Office of Diversity and Community
Web site: http://uca.edu/diversitycommunity/
Phone: 852-2975

Registrar
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Student Activities
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Disability Resource Center
Crystal Hill, Director
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Email: crystalh@uca.edu

University Testing Services
Courtney Dycus, Director
Phone: 450-3209
Email: cdycus@uca.edu

Academic Calendar

URL: http://uca.edu/registrar/academic-calendar/

The Graduate School

URL: http://uca.edu/gbulletin/the-graduate-school/

[1] Mission and Purpose

The Graduate School supports the vision, mission, and core values of the University of Central Arkansas. In doing so, the Graduate School

- Promotes intellectual excellence at the advanced levels of academic learning,
- Serves multiple communities through professional and training activities,
- Recruits and retains a highly qualified and diverse graduate student body, and
- Promotes integrity through ethical and responsible behavior in faculty, staff, and students.

The Graduate School supports doctoral, specialist, master's, and certificate programs of distinction in a variety of fields. These excellent programs help graduates acquire the knowledge, skills, and

dispositions needed to become productive members of their chosen fields. The Graduate Council, a representative body of the graduate faculty, assists the Dean of the Graduate School in establishing policies and standards for graduate education.

In keeping with its mission, the Graduate School

- Approves curricula and admission, retention and completion standards for individual programs;
- Stimulates and supports creative, scholarly and research activity through the University Research Council and the Office of Sponsored Programs;
- Approves standards of appointment for members of the Graduate Faculty;
- Advocates for graduate education within the Division of Academic Affairs and other levels as appropriate; and
- Collaborates with individual graduate programs and the UCA Director of Assessment to support programs self-assessment and external review.

[2] Graduate Student Learning Outcomes

The University of Central Arkansas offers coursework leading to a graduate certificate and two types of graduate degrees – professional degrees and research degrees – at three levels – master's, specialist, and doctoral. A professional degree gives the student a specific set of skills needed to practice a particular profession or to enhance skills in an existing career. The research degree provides experience in research and scholarship.

[2.1] Doctor of Philosophy Degrees

The Doctor of Philosophy (PhD) degree is designed to prepare students to become scholars and leaders. The scholar not only discovers, integrates, and applies knowledge but also communicates and disseminates it. PhD graduates have the ability to make significant contributions to scholarship in their disciplines. A leader guides and sets examples for others. Students in a PhD program are required to grasp complex intellectual issues in addition to the highly technical standards necessary for research and scholarship. The scholar becomes a leader by looking for connections, bridging theory and practice, considering implications of research, and fitting research into all professional roles.

PhD degree program graduates will demonstrate

- Skill in the conduct of original research, providing evidence of an understanding of research designs and the ability to formulate hypotheses, plan methodologies, gather data (quantitatively and qualitatively), draw conclusions, and effectively communicate research findings;
- Commitment to engage in scholarship after graduation and to discover new knowledge and develop theoretical principles that advance the understanding of their chosen disciplines;
- Breadth of knowledge of their disciplines and the research literature;
- Ability to teach at beginning and advanced levels of instruction;
- Leadership traits that guide their professions in identifying and resolving important questions and problems.

[2.2] Master's, Specialist, and Professional Doctoral Degrees

The master's, specialist, and professional doctoral degrees are awarded to students who achieve and demonstrate a level of academic and/or professional accomplishment and subject mastery substantially beyond that required for the baccalaureate degree. Graduates from master's, specialist, and/or professional doctoral programs will demonstrate:

- Ability to think logically and consistently as well as to integrate and synthesize knowledge;
- Understanding of methods to access knowledge and information within their discipline;
- Ability to write in a clear, consistent, and logical manner;
- Understanding of the interrelationships between their disciplines and others; and
- Awareness of how to deal with ethical dilemmas within their professions and apply knowledge about their disciplines to real-life situations.

In addition to the above, graduates of the programs leading to the educational specialist or professional doctorate will demonstrate:

- Ability and skill to fill advanced clinical and educational roles;
- Ability to contribute to the scholarship of practice; and
- Ability to provide leadership and service related to their professions and society.

[2.3] Graduate Certificate Programs

In addition to its degree programs, the Graduate School offers graduate certificate programs, focused collections of courses (12–18 hours) which, when completed, afford the student a record of coherent academic accomplishment in a given discipline or set of related disciplines. Graduate certificate programs are designed by the university to enhance marketability of its graduate students and programs, to provide a service to the community at large through a short-term graduate program, and to provide expanded opportunities for students wishing to further their education for personal or career advancement.

[3] Graduate Degrees and Programs

The University of Central Arkansas offers work leading to the following graduate degrees and programs:

Doctor of Philosophy (PhD)

Communication Science and Disorders
Leadership
Physical Therapy
Psychology

Doctor of Nursing Practice (DNP)

Doctor of Physical Therapy (DPT)

Educational Specialist (EdS)

Educational Leadership

Master of Accountancy (MAcc)

Master of Arts (MA)

English
History
Mathematics Education
Spanish

Master of Arts in Teaching (MAT)

Master of Business Administration (MBA)

Master of Fine Arts (MFA)

Creative Writing
Digital Filmmaking

Master of Geographic Information Systems

Master of Music (MM)

Master of Science (MS)

Applied Computing
Applied Mathematics
Biology
College Student Personnel Services and Administration
Communication Sciences and Disorders
Community and Economic Development
Family and Consumer Sciences
Health Sciences
Instructional Technologies
Kinesiology
Library Media and Information Technologies
Mental Health Counseling
Occupational Therapy
School Counseling
School Leadership, Management, and Administration
School Psychology

Master of Science in Education (MSE)

Advanced Studies in Teaching and Learning
Reading
Special Education

Master of Science in Nursing (MSN)

Post Master's Certificate Programs

Adult Nurse Practitioner
Clinical Nurse Leader
Family Nurse Practitioner
Nurse Educator
District Level Administration

School Based Leadership – Gifted/Talented Program Administrator
School Based Leadership – Special Education Program Administrator
School Based Leadership – Adult Education Program Administrator
School Based Leadership – Curriculum Administration
School Based Leadership – Building Administrator
School Psychology

Graduate Certificate Programs

Dyslexia Interventionist
Geographic Information Systems
Gifted and Talented Education
Instructional Technology – Distance Education
Instructional Technology – Media Design and Development
Instructional Technology – Technical Support
Integrated Early Childhood Education (B-K)
Music
Spanish
Special Education K-12

Admission to Graduate Study

URL: http://uca.edu/gbulletin/admission-to-graduate-study/

[1] The Admission Process

For students wishing to pursue a specific graduate program, the admission process involves a mutual decision between the Graduate Dean and the appropriate department. Application information may be obtained by visiting the Graduate School website at http://uca.edu/graduateschool/applying-to-graduate-school/. Transmission of these forms, the required application fee, official transcripts of all undergraduate and graduate work, and required test scores to the Graduate Office normally will complete an application for admission. Application materials are shared with the department for a recommendation about whether to admit a student to graduate studies and under which type of admission. For students not planning to seek a graduate degree at UCA or who are undecided (i.e., transient or non-degree), the Graduate Dean will admit them to Graduate Studies if they meet Graduate School requirements for regular admission. Prospective students who do not meet the qualifications for admission and are not seeking a degree may be admitted on a conditional basis after review by the Graduate Dean.

Applications are retained on students who are admitted but do not enroll for three years. After three years, these credentials are discarded, making it necessary to reapply for admission and furnish all credentials again for evaluation. The credentials of applicants who were denied admission are also retained for three years.

[2] Preferred Dates for Applications

Some programs with competitive admission (Nursing, Occupational Therapy, Physical Therapy, Psychology and Counseling, Communication Sciences and Disorders, Creative Writing, Leadership Studies) have application deadlines and admit a limited number of students only certain times of the

year. Contact the department for specific dates and separate departmental application information. For other programs, the preferred application date is **March 1** for summer and fall admission and **October 1** for spring admission.

To ensure time for processing, applications must be completed (including official transcripts and standardized test scores) at least one month prior to the beginning of the term for which the student wishes to enroll. Although every effort will be made to accommodate late applicants, there is no guarantee that a late applicant will be allowed to enroll.

[3] Preference Given to Self-Managed Applications

After submission of the online application, students should verify receipt by the Graduate School of official transcripts from all institutions where undergraduate or graduate course work has been completed, as well as receipt of GRE or GMAT scores. This type of self-managed application will be given priority in processing by the Graduate Office and will reach the department of choice more quickly for review.

[4] Graduate Admissions Examinations

To supplement other evidence of preparation for graduate work, the Graduate School requires departments to use a standardized admission test such as the General Test of the Graduate Record Examinations (GRE) or the Graduate Management Admission Test (GMAT). These examinations will not replace other records of achievement as a basis for admission to graduate studies, but they will offer additional evidence concerning the qualifications of students desiring to undertake graduate work. Accountancy (MAcc) and the MBA program require either the GMAT or the GRE. College of Education Programs require either Praxis I, GRE, or a valid standard educator license. The School of Nursing requires verification of a current unencumbered RN license. All other programs require the GRE.

All applicants are encouraged to complete these tests early in their senior year of undergraduate work or before filing an application for admission to graduate studies. For further information on these examinations and places where they may be taken, applicants should contact the Graduate School (450-3124), the department in which they want to pursue a graduate degree, or University Testing Services (450-3209); information about testing is also available on the web at GRE or GMAT.

[5] Types of Admission

[5.1] Regular

To be granted regular admission to graduate school, students must have

1. Obtained a baccalaureate degree from an accredited institution;
2. Achieved a minimum cumulative undergraduate GPA of 2.70 on a scale of 4.00 or at least a 3.00 in the last 60 hours of undergraduate study;
3. Achieved a minimum 3.00 GPA on any graduate course work previously taken at another accredited institution or previously completed at UCA;
4. Submitted required test scores (GMAT, GRE, Praxis I), hold a valid standard educator license for College of Education applicants, or hold a current unencumbered RN license verified by the School of Nursing for School of Nursing applicants; and

5. Met any additional program admission requirements (e.g. minimum test scores, interview, statement of purpose) specified by the department/program. (See program requirements in this Graduate Bulletin.)

Note: Students who plan to attend UCA must provide **proof of immunizations**. In order to register for classes, these immunizations must be in compliance with Arkansas Department of Health Rules and Regulations. The only exception to this policy is for a student who will enter a 100% online program AND will not visit campus at any time during his/her program. Without an approved immunization record, the student cannot make library visits, attend sports events, make in-person advising visits, use the HPER facility, attend graduation ceremonies, or participate in any other on-campus events and activities. An applicant must provide an official copy of his/her immunization record or proper exemption to the Graduate School or Student Health.

[5.2] Conditional

Conditional admission may be granted when recommended by a department and approved by the Graduate Dean. For each conditionally admitted student, the Graduate School and/or appropriate department will specify on the admission review form the conditions for obtaining regular admission status, including a specified deadline, if applicable, for meeting these conditions. Conditionally admitted students are ineligible to receive financial aid, including graduate assistantships.

With good justification, this classification can be used when students

1. Have not met the minimum GPA requirement for regular admission; [Note 1]
2. Have not submitted all required admission materials prior to initial enrollment (e.g., GRE, GMAT, Praxis I, valid standard educator license, or current unencumbered RN license); [Note 2]
3. Have not met the more stringent admission requirements specified by programs; or
4. Need to complete prerequisites specified by the department offering the graduate program of interest. [Note 3]

Notes on Conditional Admission

Note 1:

In the case of failing to meet minimum GPA requirements for regular admission, the student must obtain a minimum cumulative GPA of 3.00 after the first nine semester hours of graduate course work taken at the University of Central Arkansas. The graduate courses taken during this probationary period must apply toward a degree program and be approved by the appropriate departmental chair and the Graduate Dean. If the cumulative 3.00 GPA is achieved, the student is reclassified to regular admission status. If a 3.00 GPA is not achieved, the student will be denied further graduate enrollment at the University of Central Arkansas.

Note 2:

In the case of failing to submit the required standardized test score or educator license, the student must present appropriate test scores no later than the end of the first semester of graduate enrollment. The student will not be allowed to register for additional graduate course credits until scores are received by the Graduate School.

For newly graduated BSN applicants, a verified current unencumbered license must be submitted to the School of Nursing prior to the first day of classes.

Note 3:

If prerequisites or other non-GPA departmental requirements are specified by a department as conditions for admission, the student may be admitted to the university as a post-baccalaureate student or to the Graduate School as a non-classified/non-degree student until the specified prerequisites and any other requirements are completed. Admission under this classification, however, does not guarantee admission to the requested departmental program.

[5.3] Concurrent

If a senior is in the last term of enrollment before receiving a baccalaureate degree from the University of Central Arkansas and is otherwise fully qualified to enter graduate study, that student may be admitted to concurrent status. An Application for Concurrent Status must be filed with the Graduate School at least six weeks prior to registration. The student's entire program is subject to the regulations and requirements for graduate study. The student's total credit load (graduate and undergraduate courses) will not exceed 15 credit hours during the semester of concurrent registration. Graduate credit will be received only if the student completes the requirements of the bachelor's degree during the term in which the graduate courses are taken. Concurrent enrollment is not available for education, nursing, occupational therapy, or computer science students.

[5.4] Non-degree

Students who possess the minimum GPA for regular admission may choose to be admitted as a non-degree student. This classification is reserved for students who are undecided about their major field of emphasis, who choose to take work for upgrading their professional skills, or who wish to enroll in work for transferring to another graduate school. Any work taken by a non-degree student may subsequently be applied to fulfilling degree requirements when the student petitions for and is accepted to candidacy in a degree program if the hours taken are applicable to the program. (Certain limitations may apply. See Petition for Degree Candidacy and Program of Study.) Students pursuing certification/licensure and not a degree will be assigned an advisor in the certification area. Some departments limit enrollment in courses to students admitted to specific degree programs.

[5.5] Visiting

Students pursuing a graduate degree from another institution and wishing to take a graduate course at the University of Central Arkansas may be admitted as visiting students. A letter of good standing from the Graduate Dean of the college or university where the student is attending will allow admission for one semester only.

[6] Admission of International Students

Application materials for international applicants may be obtained from the Office of International Engagement or on-line at the Web address below. The completed application form, all supporting documents, and the application fee must be submitted to the Office of International Engagement, which then forwards completed application files to the Graduate Office. Incomplete application files are not reviewed by the Graduate Office.

International applicants to the Graduate School whose first language is not English must demonstrate a satisfactory level of English proficiency. Students need a strong command of the English language to perform at the graduate level, especially in interactive programs which emphasize teamwork and effective oral and written communication.

The Office of International Engagement maintains a list of English proficiency requirement exempt countries. Applicants from those countries, **who also speak English as a first language**, will be considered proficient in English. Applicants whose first language is not English will be considered proficient in English if they have completed a four-year baccalaureate degree at an accredited educational institution in the United States. Applicants whose first language is not English and who have not earned bachelor's degrees from U.S. institutions will demonstrate English proficiency by submitting one of the following:

1. TOEFL PBT score of 550 or higher
2. TOEFL CBT score of 213 or higher
3. TOEFL iBT score of 79 or higher
4. IELTS score of 6.5 or higher

Individual departmental graduate programs may set higher minimum scores, either for the overall score or any individual subscores, or both.

The English proficiency requirement may be waived at the discretion of the academic department chair if the last four semesters of full-time academic coursework have been completed at an accredited institution in the United States with an overall GPA of 3.00 or higher.

In addition to demonstrating a satisfactory level of English proficiency, international applicants to the Graduate School must submit transcripts to the University of Central Arkansas. Foreign transcripts must be accompanied by a UCA-recognized third-party credential evaluation. The Office of International Engagement maintains a list of UCA-recognized third-party credential evaluators.

Applicants needing immigration document issuance necessary for applying for student visas, must also submit documentation of financial support, accompanied by a Confirmation of Financial Resources Form. Students must demonstrate the financial capacity as required per immigration regulations and as per any Exchange Agreement or other agreements which may exist and apply to the students' situation. Such applicants must also submit a copy of the biographical page of their passport.

Detailed information for international students is available from

UCA Office of International Engagement
360 Farris Road
Conway, AR 72035-0001 USA
Phone: (501) 450-3445 (voice)
E-mail: admission@uca.edu
Web: http://uca.edu/international

[7] Admission of Transfer Students and Transfer Credit

No student who has attended another graduate institution and earned less than a cumulative 3.00 GPA on a 4.00 scale will be admitted to a UCA graduate program.

Subject to the approval of the Graduate Dean and the appropriate department chair, a maximum of six hours of transfer graduate credit of grade B or above from another accredited institution may be accepted in UCA graduate degree programs requiring only the minimum 30 hours. In programs requiring 39 or more hours, a maximum of 15 hours of graduate credit of grade B or above may be transferred from another accredited institution, subject to the approval of the Graduate Dean and the appropriate department chair. If graduate credit earned at an accredited institution is equivalent to and constitutes a logical part of the student's program, transfer of credit above the established policy may be allowed when recommended by the student's major professor/advisor, advisory committee, and department chair, and when approved by the dean of the Graduate School.

All transfer hours must be in courses for which an equivalent UCA course exists, and no transfer hours may be in extension or correspondence work. A minimum of 24 hours credit in residence at the University of Central Arkansas is required.

[8] Admission to Graduate School Does Not Imply Candidacy for a Degree

A student becomes a candidate for an advanced degree only by demonstrating the requisite preparation and ability through study at UCA. Requirements specified for admission to graduate school and for any advanced degree are minimum requirements. Additional requirements may be specified by departments depending upon the student's undergraduate preparation and the particular field of graduate work chosen.

General Requirements for Graduate Study

URL: http://uca.edu/gbulletin/general-requirements-for-graduate-study/

[1] Minimum Semester Hours

The candidate must earn a minimum of 30 semester hours in courses for which graduate credit is given. Graduate credit will be given for 5000-, 6000-, 7000- and 8000-numbered courses. A minimum of 15 semester hours of 6000-level courses are required for the master's degree. No course below the 5000-level may apply toward a graduate degree.

Undergraduate courses may not be repeated at the graduate level with the expectation of credit. Any student taking a graduate course which is double listed with an undergraduate course must do work of graduate caliber to receive graduate credit. No credit may apply toward a graduate degree unless it is included in the student's approved program of study.

[2] Residence Credit

The candidate must take a minimum of 24 credit hours at UCA. Acceptance of transfer credit does not reduce the minimum residence requirement of 24 hours.

[3] Grades and Quality Points

Grades are expressed as letters, with equivalents as follows:

Letter	Grade	QP*
A	Excellent	4

Letter	Grade	QP*
B	Good	3
C	Average	2
D	Passing	1
F	Failing	0
W	Withdrawn	N/A**
X	Deferred Credit/Incomplete	N/A**
PR	Progress - Credit	N/A**
CR	Credit	N/A**
NC	No Credit	N/A**
AU	Audit	N/A**

***QP**: Quality Points (sometimes referred to as "Grade Value" or "Grade Points")
****N/A**: Hours attempted where W, X, PR, CR, NC, or AU are involved are not used in computing the grade point average.

Note: Beginning with the fall 2017 term, the grades of WP and WF are no longer used. Consult an earlier issue of the *Graduate Bulletin* for their use and meaning.

Grades of A, B, and C will allow students to receive graduate credit representing 4, 3, and 2 quality points, respectively. Grades below C are recorded and are considered in determining the quality-point ratio **but are not accepted toward completion of the graduate program**.

All grades, once reported, remain a matter of permanent record and are used in calculating the cumulative GPA. Any appeal or question concerning an assigned grade must be made within one calendar year from the time the grade was awarded.

Calculation of the graduate grade point average includes all residence course work attempted. No transfer credit grades are used to calculate the cumulative GPA.

A graduate student is expected to maintain a cumulative 3.00 average. A student whose cumulative grade point average is less than 3.00 is on academic probation. In the next semester or summer term in attendance, the student should achieve a cumulative 3.00 or at least show meaningful improvement towards a 3.00 GPA. If the cumulative 3.00 is not met or meaningful improvement shown, the student is ineligible to continue graduate studies at UCA.

A GPA of 3.00 or above is required for graduation. Up to six hours beyond the degree requirements can be used to meet this GPA, but all such hours must be approved by the student's advisor.

The grade of PR is used for certain kinds of courses (typically thesis, dissertation, or other multi-term courses) where continuous enrollment across two or more terms is required. A PR grade indicates that a student has made satisfactory progress in the course/project; a CR grade is used in this context to indicate that the course/project has been successfully completed. Both PR and CR result in earned credit hours but do not carry "quality points" (and thus are not included in GPA calculations); an NC grade indicates "no credit," and signifies in this context unsatisfactory progress or failure to complete the course/project. Note that this grade mode is not intended to be used as a substitute for "deferred credit" (an incomplete grade) in a course not requiring continuous enrollment for more than one term.

The grade of X (incomplete) 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 GPA. One calendar year is the maximum time limit for removal of an X grade except in independent study courses and theses. If one year passes and the X has not been removed, the grade is changed automatically to an F. An individual instructor may specify a shorter time 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. One copy of the requirement is to be given to the registrar, one to the student, and one to the department chair; one copy is retained by the instructor. 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. No student may be cleared for conferral of a graduate degree until all incomplete (X) grades have been removed.

To obtain the qualitative index of a student's scholarship, the total number of quality points (QP) accumulated is divided by the total number of semester credit hours (SCH) attempted to give the ratio known as the grade point average (GPA):

QP ÷ SCH = GPA

For example, if a student has earned 96 quality points on 30 semester hours attempted, the GPA is 3.20 (96 ÷ 30 = 3.20). The following list shows quality points earned for each letter grade:

A = 4 quality points per credit hour (12 for a 3-hour course)
B = 3 quality points per credit hour (9 for a 3-hour course)
C = 2 quality points per credit hour (6 for a 3-hour course)
D = 1 quality points per credit hour (3 for a 3-hour course)
F = 0 quality points per credit hour (0 for a 3-hour course)

[4] Attendance

Attendance and tardiness are primarily a student-teacher-class issue, but the university has an interest in the proper fulfillment of such obligations by the student. In the case of absences indicating that the student has been negligent about class attendance, registration in the given class may be canceled and a grade of WF (Withdrawn Failing) recorded; in flagrant cases the student may be suspended from the university.

[5] Full-Time and Maximum Course Loads

A student who carries 9 or more graduate hours in any semester is considered a full-time graduate student. A student who is enrolled in 3 or more semester hours in a 10-week summer session is considered a full-time graduate student. The maximum course load for a student shall be 15 hours for each semester and 6 semester hours for each summer term. Permission to take more than a

maximum credit load requires written approval of the student's advisor, the department chair, and the graduate dean.

[6] Advisement

At the time of admission to graduate study, the student is assigned to an advisor who is a regular faculty member in a department offering graduate work in the student's field of specialization. The graduate advisor will be responsible for

1. Helping the student plan a unified and balanced program of study adapted to the student's particular interests, needs, and abilities and directed toward the student's field of specialization;
2. Recommending the student for degree candidacy; and
3. Assisting the student's progress toward satisfactory completion of the program of study.

Graduate students are encouraged to make appointments with their advisors each semester of enrollment.

[7] Thesis/Dissertation

Departments determine whether they require, or provide an option for, master's students to submit a thesis. All PhD candidates will complete a dissertation. The Thesis and Dissertation Preparation Guide outlines the general timeline, policies, and procedures for producing a thesis or dissertation at the University of Central Arkansas. It is important to read and understand fully the contents of the manual, which is available from the Graduate School web site at http://uca.edu/graduateschool/thesis-and-dissertation/. The student must allow sufficient time for conducting the research and writing the thesis or dissertation.

Students and faculty will comply with all university policies regarding research and the use of human subjects and animals in research.

Continuous Enrollment: Students submitting a master's thesis must register for at least one hour of graduate thesis credit each semester (Fall, Spring and Summer) after enrolling in their first thesis course. Doctoral students must register for at least one hour of dissertation credit each semester (Fall, Spring, and Summer) following approval of dissertation proposal until the work is completed, whether the student is in residence or away from the campus.

[8] Appeal Procedures

Appeal procedures for graduate students related to grades, student educational records, academic policy/requirements, and professional program selection are outlined in the *Student Handbook.*

[9] Academic Integrity

Integrity in scholarship and research is an essential characteristic of our academic life and structure in the university. Any activity that compromises the pursuit of truth and the advancement of knowledge besmirches the intellectual effort and may undermine confidence in the academic enterprise. The Graduate School expects students to conduct their academic endeavors with honesty and integrity. The definition of academic misconduct and appeal procedures for graduate students who are accused of academic misconduct are specified in the Student Handbook. UCA's Policy for

responding to allegations of research misconduct is linked from this page: http://uca.edu/sponsoredprograms/policies/.

[10] Policy on Research with Human Subjects

Graduate or undergraduate student research projects may involve the use of human subjects. "Human subject" is defined as an individual about whom an investigator conducting research obtains (1) data through intervention or interaction with the individual or (2) identifiable, confidential information about the individual. Both federal and university regulations require that all proposed research projects involving human subjects be reviewed and approved by the Institutional Review Board prior to the initiation of such studies.

Specific information regarding procedures for obtaining appropriate review of proposed research projects involving human subjects is available from the office of the dean of the student's college, the Graduate School, the Office of Sponsored Programs, or Sponsored Program's web site at http://uca.edu/researchcompliance/.

[11] Policy on Intellectual Property

University policy on intellectual property applies to all graduate students. An invention or discovery resulting from projects supported in whole or in part by funds, personnel, or facilities provided by or administered by the Board of Trustees of the University of Central Arkansas is the property of the university. The university has a policy of sharing with the inventor any income derived from such discoveries. Information on UCA's Intellectual Property Policy is available on the web at ttp://uca.edu/sponsoredprograms/intellectual-property-technology-transfer/.

[12] Deadlines for Graduate Program Completion

All requirements for a master's degree, specialist's degree, graduate certificate, or post-master's certificate must be satisfied within six years from the initial semester of matriculation. All requirements for a doctoral degree must be completed within ten years from the initial semester of matriculation.

[13] Second Master's Degree or Graduate Certificate

Subject to review by the graduate dean, college dean, department chair, and program advisor, students holding valid master's degrees or graduate certificates from accredited graduate institutions, including UCA, may apply no more than six hours of approved course work completed as a part of the first master's degree toward a second master's degree or three hours toward a graduate certificate. Transferring these hours for specific courses in the program for the second master's degree or certificate will be indicated in writing, approved by the program advisor and submitted to the Graduate School. These courses and those for which they substitute must be approved by the department chair. All remaining courses applied to satisfy the requirements for the second master's degree or certificate must be taken in residence at the University of Central Arkansas. If graduate credit earned for a prior graduate degree is equivalent to and constitutes a logical part of the student's program, application of previously earned credit above the established policy may be allowed when recommended by the student's major professor/advisor, advisory committee, and department chair, and when approved by the dean of the Graduate School. Acceptance of transfer credit does not reduce the minimum residence requirement of 24 hours.

The second master's degree or certificate will be subject to the general regulations governing master's degrees or certificates except as stated above.

[14] Maintenance of Standards

The university reserves the right to deny further attendance to a student who lacks the personal qualities, professional characteristics, or scholastic attainments essential for success. Such a student desiring to re-enroll will supply the university with evidence that the difficulties have been corrected.

[15] Withdrawal Policy

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) will be recorded according to the deadlines specified in the academic calendar for the semester.

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

Program of Study

URL: http://uca.edu/gbulletin/program-of-study/

Programs of Study are now approved using Degree Works. See the Graduate School Degree Works page for information and exceptions.

Application for Degree and Graduation

URL: http://uca.edu/gbulletin/application-for-degree-and-graduation/

All candidates are required to make formal application for the graduate degree and graduation by the dates specified in the academic calendar. These dates are approximately **September 24** for December graduation, **February 4** for May graduation, and the **first Friday of the Summer I session** for August graduation. Students not meeting this deadline may have their graduation delayed by one semester.

Application packets are available on the Graduate School web site.

Assistantships and Other Forms of Financial Aid

URL: http://uca.edu/gbulletin/assistantships-and-other-forms-of-financial-aid/

Graduate assistantships are available for qualified students in approximately 25 academic areas and 20 non-academic areas. Recipients of these assistantships serve as laboratory assistants, research assistants, or teaching assistants.

The primary goal of an assistantship is to augment the student's educational objectives and to assist in the prompt and successful completion of the student's degree program. The student and the department share a central responsibility in the student's education. The graduate assistant is clearly a student who, while making progress in the degree program, has special opportunities to receive experience in a profession under the supervision of a faculty mentor. Although such students serve the University of Central Arkansas with teaching, research, and/or administrative duties, they are considered students – and not employees – of the university, and the tasks assigned to them must be clearly and justifiably consistent with the student's educational and career objectives.

Various funding sources exist for graduate assistantships. In addition to assistants who receive funding from the Graduate School, other sources for support include grants, gifts, contracts, community service agencies, or various university departments, divisions, or centers. Approximately 260 graduate students receive assistantship funds each semester.

To qualify for an assistantship, a student should have achieved an excellent academic record and completed substantial course work in the major field. The student must have been admitted with full qualifications in accordance with the admission policies and procedures of the Graduate School. The English language proficiencies of international students must be thoroughly evaluated in relationship to the demands of the assistantship assignment prior to the start of the appointment period. All teaching assistants must demonstrate competency in spoken English through procedures established by the controlling department and the Graduate School.

Graduate assistants on Graduate School sponsored appointments may be appointed for up to 12 months per contract period. Nine-month appointments would generally correspond to 36 weeks of service (nine monthly pay periods). Twelve-month appointments would generally correspond to 52 weeks of service (12 monthly pay periods). The start and end dates of all Graduate School sponsored appointments must be within the university's fiscal year, July 1 to June 30.

In order to continue an appointment from semester to semester during the academic year, a graduate assistant must remain in good academic standing. If an assistant's cumulative GPA falls below 3.00 during the academic year of an appointment, the student will be terminated from the assistantship during that academic year.

Graduate assistants who are performing satisfactorily in their studies and duties are eligible for annual reappointments. Academic and professional performance and progress are measured by the following criteria: (1) GPA, cumulative and over the past academic year, of at least 3.00; (2) student academic record with not more than one incomplete grade; (3) report of the academic advisor; (4) formal evaluation by the faculty mentor; (5) length of time holding the assistantship; and (6) length of time in the degree program.

Normally, a graduate student may hold an assistantship for a maximum of two years while pursuing a master's degree and four years in a doctoral program.

Application forms and specific requirements for assistantships may be obtained from Patti Hornor in the Graduate School or online on the Graduate School web site. Information about other forms of financial aid, including loans, may be obtained from UCA's Financial Aid Office, (501) 450-3140. Students receiving graduate assistantships and other forms of financial aid should contact the Financial Aid Office to determine their combined financial package.

Fees and Other Charges

URL: http://uca.edu/gbulletin/fees-and-other-charges/

Note: Fees and other charges are subject to change without notice.

[1] Graduate Application Fee

A $25 and $50 non-refundable fee, for US and international students respectively, must be submitted with an application for admission to graduate study.

[2] General Registration and Other Mandatory Fees

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 144 or viewed online at http://uca.edu/studentaccounts/.

Students admitted to programs in Accounting, Applied Computing, Biology, Communication Sciences and Disorders, Dietetics, Family and Consumer Sciences, Health Sciences, Kinesiology, MBA, Mathematics, Nursing, Occupational Therapy, Physical Therapy, Psychology and Communication Sciences and Disorders may pay an additional lab or departmental fee. Contact the individual department for information.

[3] Graduation Fee

Every candidate for a degree pays an appropriate graduation fee to the Graduate Office at the time of application for graduation.

[4] Withdrawal and Refunds from the University

Please note that financial aid regulations govern those students who receive Title IV funds. For more information, please contact the Financial Aid Office, 450-3140.

[4.1] Withdrawals: Fall and Spring Semester

Refunds or Adjustments

Students who officially withdraw from the University may be entitled to a partial refund or adjustment of fees, if the withdrawal is completed within the refund period approved for the semester. Graduate students should contact the office of Graduate Studies at (501)-450-3124. Please review the Student Withdrawal and Refund Policy #612 to determine the approved refund period for each semester. Students receiving Title IV financial aid funds will be adjusted according to the Federal Regulations governing these funds. Contact the Student Accounts office at (501)-450-5015 for information about the Student Withdrawal and Refund Policy #612. Contact the Financial Aid Office at (501)-450-3140 for information about Title IV funds regulations.

[4.2] Class Adjustments: Fall and Spring Semester

Schedule Adjustments

Students who make schedule adjustments (drops) on or after the first day of scheduled classes, and within the period approved for the semester, may be entitled to a partial refund of the difference in the cost of the original class enrollment and the final class enrollment after adjustment. Please

review the Student Withdrawal and Refund Policy #612 to determine the approved refund period for each semester. Financial Aid regulations govern those students who receive Title IV funds. Contact the Student Accounts Office for information about the Student Withdrawal and Refund Policy #612. Contact the Financial Aid office for information about Title IV funds regulations. Refunds of less than $5.00 will not be granted.

Certain miscellaneous fees may not be refundable.

Refunds due for credit hours dropped will not be processed before the last date to add classes.

[4.3] 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 before 4 p.m. on by the first Friday of the term. Refunds of 100% will be made if the withdrawal takes place on or before the first day of scheduled classes.

[4.4] Class Adjustments: Summer Terms

Students who drop courses on or after the first day of scheduled classes and on or before the first 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.

[4.5] Room and Board Refunds

If a student withdraws from housing before the end of the academic year, the room deposit will be forfeited. Any unused room and board will be refunded. No refund will be made for absences.

[5] Housing

On-campus housing costs are quoted in terms of room and board. Housing costs and prices of various meal plans may be obtained from the Housing Office, Bernard Hall, 450-3132; Housing homepage.

Graduate students may pick up brochures and available information concerning off-campus housing in the Housing Office.

[6] Post Office

A branch post office is maintained in the Student Center for the convenience of students and faculty. Resident students are required to rent a campus post office box at a fee due with the first housing installment.

3. FIELDS OF INSTRUCTION

The index page for this section of the GBulletin (http://uca.edu/gbulletin/fields-of-instruction/) is not reproduced here.

Accountancy

URL: http://uca.edu/gbulletin/fields-of-instruction/accountancy/

[1] Objectives

The Department of Accounting in UCA's College of Business Administration offers a Master of Accountancy (MAcc) program designed to provide a fifth year of accounting education to prepare students for careers in professional accounting.

The objective of the program is to give students greater breadth and depth of accounting knowledge and, if desired, a specialization on taxation or industry track. The program provides the academic background needed to begin a professional accounting career. Outstanding employment opportunities in public accounting, industry, and government await graduates of the Master of Accountancy program.

The MAcc program is a comprehensive program that develops students' conceptual and technical accounting competence, communication skills, research and analytical abilities, and leadership skills. The UCA MAcc focuses on the common body of knowledge recommended by the American Institute of Certified Public Accountants and builds on the traditional undergraduate accounting courses. Consequently, graduates are well prepared to sit for and pass the CPA exam. However, UCA takes students beyond the knowledge required on the CPA exam. Students learn the theory behind accounting and auditing procedures so they can adapt to an ever changing environment. The program encourages life-long learning and is unique in two respects: (1) The UCA MAcc teaches leadership through a course that focuses on the application of leadership in business and accounting organizations. (2) The program also requires a case studies course in which students learn to use multiple resources to solve management and accounting problems.

[2] Admission Requirements

In addition to admission requirements of the Graduate School (application, application fee, transcripts) and the Division of International Engagement (TOEFL score), the Master of Accountancy requires the following:

- Bachelor's degree in Accounting from an accredited institution or a bachelor's degree in another discipline including the 27 hours listed in Note 1 below.
- Undergraduate cumulative GPA of at least 2.70, or 3.00 in the last 60 hours.
- GPA on all accounting courses completed of at least 2.70. Accounting GPA requirement may be waived for applicants with significant professional experience or accounting certifications.
- Score of at least 450 on the GMAT (Graduate Management Admission Test) with a minimum score of 18 on the verbal component and 26 on the quantitative component. An equivalent GRE (Graduate Record Examination) score will also be accepted. Scores should

be no more than five years old. Some students may be exempt from taking the GMAT or GRE. For exemptions, see Note 2 below.

Applicants for admission to the Master of Accountancy program must submit a completed application packet that includes a completed application form, official transcripts from all undergraduate schools attended, and official GMAT or GRE scores (unless exempt), to the Graduate School.

Note 1:

In lieu of a baccalaureate degree in accounting, an applicant may be admitted by presenting a baccalaureate degree in another field and credit in the following undergraduate courses or their equivalents (27 hours total):

Intermediate Accounting (6 hours)
Cost Accounting (3 hours)
Individual Taxation (3 hours)
Accounting or Management Information Systems (3 hours)
Auditing (3 hours)
Microeconomics (3 hours)
Macroeconomics (3 hours)
Business Law (3 hours)

For a well-rounded business perspective and CPA eligibility, credit is recommended for courses in the following areas, but is not required for admission:

Management (3 hours)
Marketing (3 hours)
Finance (3 hours)
Statistics (3 hours)

Note 2:

Applicants to the Master of Accountancy program are generally required to supply GMAT or GRE scores as part of their application process. The following persons may, however, be exempt from taking the GMAT or GRE [updated effective Spring 2018]:

1. Applicants who have completed and passed all parts of the CPA exam (must submit official copy of license from any state or, if not licensed, proof of successful completion of all four parts of the exam).
2. Applicants who hold a bachelor's degree from an accredited***** program or institution (including UCA) with an overall GPA of 3.2 or an Accounting GPA of 3.2.
3. Applicants who hold a master's or doctoral degree from an accredited***** program or institution (including UCA).

***** "Accredited" may refer to business programs accredited by AACSB or EQUIS or institutions accredited by a regional accreditor recognized by the U.S. Department of Education (or other appropriate accrediting agency as determined by the UCA Graduate School and MAcc Program Coordinator).

[3] Degree Requirements

The Master of Accountancy requires 30 hours of course work beyond the baccalaureate degree. Courses will be scheduled so that a full-time student will be able to complete the program in one academic year.

[4] Curriculum

The Master of Accountancy requires a minimum of 10 courses: 6 required MAcc core courses, 3 additional courses required for students who did not have the undergraduate equivalent, and electives to complete the course requirement.

[4.1] Required MAcc Core (18 hours)

ACCT 6309 Tax Research and Planning
ACCT 6310 Seminar in Accounting Theory
ACCT 6317 Seminar in Auditing
ACCT 6320 Seminar in Accounting Information Systems
ACCT 6340 Seminar in Case Studies in Accounting
ACCT 6350 Seminar in Accounting Leadership

[4.2] Additional MAcc Requirements (0–9 hours)

These three courses are **required** for students who did not complete equivalent undergraduate-level courses.

ACCT 5312 Advanced Accounting [Note 3]
ACCT 5316 Advanced Income Tax [Note 3]
ACCT 6304 Advanced Governmental/Not-for-Profit Accounting [Note 3]

[4.3] Approved MAcc Electives (3–12 hours)

An additional one to four electives is required to bring total courses to 10. These electives courses have been approved.

ACCT 5322 Advanced Business Law for Accountants [Note 3]
ACCT 6319 Corporations & Shareholder Taxation
ACCT 6325 International Accounting & Auditing
ACCT 6329 Partnership/S-Corporation Tax
ACCT 6339 Estate & Gift Taxation
ACCT 6390 Special Problems in Accounting
MBA 5355 Project Management
MBA 5361 Principles of Information Security
MBA 5380 Business Intelligence
MBA 6301 Information Technology for Managers
MBA 6303 Managerial Economics
MBA 6305 Financial Decision Making
MBA 6320 Strategic Management
MBA 6325 Organizational Behavior
MBA 6330 Operations Management
MBA 6349 Management of Small and Family-Owned Businesses

Students wishing to take electives not on this list must seek approval in advance from the MAcc advisor or the chair of the Department of Accounting.

Note 3:

These courses are not open to students who completed a similar undergraduate level course.

[5] Graduate Course Links

Follow this link for ACCT course descriptions: course link.

Follow this link for MBA course descriptions: course link.

Advanced Studies in Teacher Leadership

URL: http://uca.edu/gbulletin/fields-of-instruction/advanced-studies-in-teacher-leadership/

[1] Objectives

The Master of Science in Education in Advanced Studies in Teacher Leadership (ASTL) is a cross-disciplinary program designed to prepare candidates to become highly skilled and articulate classroom teachers who serve as leaders in their schools and communities. It is designed to enhance and expand existing knowledge, skills, and dispositions of candidates while fostering the development of competencies expected of advanced educators. The program rests on the assumption that accomplished educators engage in reflective decision-making and efficacy as they assess and extend their own professional practice. In addition to addressing the elements of UCA's Professional Education Unit's Conceptual Framework, the program incorporates standards and propositions from appropriate national professional organizations including the Teacher Leadership Model Standards.

Upon completion of the program, ASTL graduates will demonstrate the knowledge, skills, and dispositions necessary to

1. Respond positively to practices that enhance student learning.
2. Critically analyze their own teaching practices and appropriately respond to their findings.
3. Articulate the rationale for decisions they make regarding professional practice, instruction, and policies and procedures.
4. Make informed decisions by reflecting on experiences both past and present to improve teaching practices that enhance student learning.
5. Function as change leaders for the improvement of their professional communities.

This 30 hour graduate degree program consists of a 15-hour core and a 15-hour emphasis area, selected from the following:

1. Teacher Leadership
2. Gifted and Talented
3. Early Childhood
4. Elementary Mathematics Specialist
5. Writing Pedagogy
6. Content Area/Generalist
7. English as a Second Language

8. Career Orientation
9. Dyslexia Endorsement

Graduate candidates will complete 10 courses for the degree with the culminating experience being the creation and defense of a professional portfolio.

[2] Admission Requirements

Admission into the University of Central Arkansas Graduate Studies program will be required before enrolling in courses. Candidates must have an undergraduate degree with a 2.7 GPA in undergraduate work for full admission. Candidates are required to submit either a Praxis I or Praxis Core score, or GRE scores, or a valid educator license. Candidates are to meet all Graduate School requirements.

[3] Program Completion Requirements

Candidates must successfully complete the following program requirements to earn the Master of Science in Education (MSE) in Advanced Studies in Teacher Leadership (ASTL) within the six years allotted time set forth by the Graduate School:

1. The ASTL program of study
2. The ASTL program key assessments
3. The ASTL portfolio process

[4] Retention Requirements

To be recommended for a degree, candidates must meet the following requirement: Complete all required course work with at least a 3.00 GPA with a maximum of six hours of “C” grades.

[5] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department. The Graduate School policy requires that all students complete their program of student within a six year time period.

[6] Program of Study

Core Curriculum (15 hours required)

ASTL 6302 Models of Teaching
ASTL 6303 Teacher Leadership
ASTL 6305 Classroom Assessment
ASTL 6315 Investigation of Learning and Development Through Multiple Contexts
ASTL 6380 Research Methods

Emphasis Areas

1. **Teacher Leadership**

   SLMA 6310 Foundations of School Leadership
   ELSE 6366 Educational Programming for Students with Mild Disabilities K-12
   SLMA 6330 Curriculum and Program Leadership
   ITEC 6368 Technology Planning and Leadership
   Elective (3 hours) as approved by the academic advisor

2. **Gifted and Talented**

   See also the Graduate Certificate in GATE below.

   GATE 6353 Introduction to Gifted Education
   GATE 6355 Curriculum for Gifted Programs
   GATE 6357 Creativity for the Gifted And Talented
   GATE 6358 Strategies for the Gifted And Talented
   GATE 6391 Advanced Practicum: Educational Practice in Gifted Education

3. **Early Childhood**:
   ELSE 6300 SPED 101 Academy: The Philosophical, Historical, and Legal Aspects of Special Education
   ELSE 6309 Solution-Focused Learning
   ELSE 6327 Educational Programming for Young Children
   ELSE 6336 Advanced Studies in Guidance Management of Young Children
   ELSE 6338 Instructional Strategies and Assessment of Young Children
4. **Elementary Mathematics Specialist**:

   MATH 5308 Mathematical Thinking for K-8 Teachers
   MATH 5309 Algebraic Thinking for K-8 Teachers
   MATH 5335 Geometry and Measurement and Their Applications
   MATH 6307 Advanced Topics for Mathematics Educators
   MATH 6312 Data Modeling for K-8 Teachers

5. **Writing Pedagogy**:

   LING 5310 Educational Linguistics
   LING 5320 Grammatical Structures of English
   CRWR 5320 Teaching Creative Writing: History, Theory and Practice
   WRTG 5330 Composition Theory and Pedagogy
   WRTG 6310 Advanced Topics in Discourse Analysis

6. **Content Area/Generalist**:

   15 graduate content hours approved by academic advisor

7. **English as a Second Language**:

ASTL 5340 Cultural Diversity: Applications for Classrooms and Workplaces
WLAN 5315 Methods of Teaching Second Languages
WLAN 5325 Second Language Acquisition
WLAN 5330 Second Language Assessment
Three (3) graduate hours approved by academic advisor

8. **Career Orientation**:

   ASTL 5311 Methods of Teaching Career Development
   ASTL 5312 Learning Experiences in Career Orientation
   ASTL 5325 Application of Computers in Education and Work
   ASTL 6310 Integrating Media and Technology into Teaching and Learning
   ASTL 6385 Curriculum Development

9. **Dyslexia Endorsement**:

   ELSE 6314 Diagnosis and Intervention of Reading Difficulties
   ELSE 6343 Clinical Practicum in Reading
   ELSE 6347 Foundations of Dyslexia and Language
   ELSE 6348 Multisensory Approach to Language I
   ELSE 6349 Multisensory Approach to Language II

Candidates may be allowed to transfer a maximum of six graduate credit hours to the program.

[7] Graduate Certificate (GC) in Gifted and Talented Education

→ Gainful Employment Information – Graduate Certificate in Gifted and Talented Education: 2015-16 | 2014-15

The 15-hour graduate-level program is designed to prepare licensed teachers as collaborative professionals committed to working closely with other professionals and families to create the most effective learning environments for gifted and talented students. The program will provide candidates with a recognized certificate in Gifted Education, as well as give teachers formal acknowledgement of their graduate work without the completion of a master's degree. The course requirement is the same as that for the GATE emphasis in the master's program:

GATE 6353 Introduction to Gifted Education
GATE 6355 Curriculum for Gifted Programs
GATE 6357 Creativity for the Gifted And Talented
GATE 6358 Strategies for the Gifted And Talented
GATE 6391 Advanced Practicum: Educational Practice in Gifted Education

For more information, visit the Teaching and Learning web site.

[8] Graduate Course Links

[8.1] Courses in Advanced Studies in Teacher Leadership (ASTL)

Follow this link for ASTL course descriptions: course link.

[8.2] Courses in Other Areas (ELSE, GATE, ITEC, LING, MATH, SLMA, WLAN, WRTG)

Follow this link for ELSE course descriptions: course link.

Follow this link for GATE course descriptions: course link.

Follow this link for ITEC course descriptions: course link.

Follow this link for LING course descriptions: course link.

Follow this link for MATH course descriptions: course link.

Follow this link for SLMA course descriptions: course link.

Follow this link for WLAN course descriptions: course link.

Follow this link for WRTG course descriptions: course link.

Biology

URL: http://uca.edu/gbulletin/fields-of-instruction/biology/

[1] Objectives

The Master of Science degree in Biology is offered primarily for those who wish to obtain a graduate degree before enrolling in a doctoral or professional program or who seek a terminal degree as preparation for a career in biology.

The Department of Biology offers the Master of Science with two tracks: the MS with thesis, and the MS without thesis. The MS degree is a general one in which breadth is emphasized, but the thesis candidate is expected to acquire depth in a particular area. The thesis track allows students to carry out original research through mentoring from a major professor in that professor's specialty. This track provides training relevant to research-based careers in biology and health sciences. Some examples of career options appropriate for students in this track include research technicians/associates in academic and corporate settings, scientists for state and federal agencies, and doctoral programs. The non-thesis track is an appropriate option for careers that do not require research, but would benefit from advanced biological education. These include practice-focused professional programs (e.g., medicine, optometry, physical therapy), management positions, environmental policy, and teaching at the secondary or community-college level.

[2] Program Admission Requirements

In addition to the university's general requirements for admission to graduate study, a departmental application form, a score report on the Graduate Record Examination (GRE) General Section, a curriculum vita/résumé, statement of purpose/cover letter, and two letters of support must be submitted to the departmental Graduate Coordinator. It is generally expected that applicants will have completed at least the equivalent of a minor in biology; however, we welcome applications from students with non-biology backgrounds. Deficiencies in previous training will be evaluated by the department's Graduate Coordinator on a case-by-case basis. Students with deficiencies will be required to obtain at least a C grade in all courses taken to resolve the deficiencies.

All applicants are strongly encouraged to contact the departmental Graduate Coordinator early in the application process. Thesis-track applicants will not be accepted into the program if they do not have

a biology graduate faculty member willing to accept the applicant into their research laboratory and willing to mentor the thesis project. Therefore, it is imperative that thesis-track applicants communicate directly with potential thesis advisors prior to submitting application materials or very early in the process. Faculty contact information and areas of research can be found on the departmental web page.

The application deadline for the **fall** term is **March 1**, and the deadline for the **spring** term is **November 1**.

Applications submitted or completed after the deadlines will be considered on a case-by-case basis. A limited number of graduate assistantships that include a stipend and tuition scholarship are available for students. These competitive awards are determined by the departmental Graduate Committee, with priority being given to thesis-track applicants. Thesis-track applicants who have not communicated with faculty regarding advising or submit applications after deadlines will have a lower priority for admission into the program and for receiving graduate assistantships.

[3] Advisement

Once a thesis-track student is admitted to the program, the student's initial advisor/major professor will review the student's undergraduate record and recommend an initial program of study. Before the end of the first semester in which the student is officially enrolled in graduate school, the membership of the student's Thesis Committee must be selected. The Thesis Committee will be chaired by the major professor and must contain at least two other members of the Biology faculty. The Thesis Committee may be expanded to include faculty from other departments or institutions in cases where additional expertise would be helpful in overseeing the project. The Thesis Committee will recommend subsequent courses to be taken by the student and approve a proposal of thesis research and the final thesis document.

Students enrolled in the non-thesis track are not required to establish a thesis committee, but instead will be assigned an academic advisor (e.g., the Graduate Program Coordinator) with whom they will meet regularly to construct a course degree plan.

[4] Program Requirements

Some requirements differ for the two tracks within the Master of Science in Biology degree program and these are listed separately below.

[4.1] MS with Thesis

[4.1.1] Course Requirements

Thirty (30) semester hours are required for this track. Up to six hours of thesis research (BIOL 6V01) may be included in this total. At least 15 hours of graduate coursework must be at the 6000-course level, including at least two 6000-level courses not including Thesis Research, Independent Study, and Graduate Seminar. Students must take two hours of Graduate Seminar (BIOL 6102) during their degree program; additional hours of Graduate Seminar taken do not count towards the degree. Under exceptional circumstances a student may petition the Biology Graduate Committee and Graduate School to allow a 5000-level course to be substituted for one of the required 6000-level courses. No more than six semester hours of Independent Study credit for conducting research can be used to fulfill the credit hour requirements. With permission of the student's Thesis

Committee, up to six semester hours may be taken outside the Department of Biology, if such work has a direct relationship to the student's objectives in achieving the MS degree in biology.

[4.1.2] Other Requirements

Original laboratory or field research is required. The Thesis Committee prior to the beginning of the third term must approve a written thesis proposal. At the end of the student's program, the student will write a thesis to be approved by the Thesis Committee, Biology Department Chair, Dean of the College of Science and Mathematics, and Dean of the Graduate School. The student will also present the research as a seminar open to all Biology Department faculty and the public. Before the candidate is recommended to the Dean of the Graduate School for graduation, the Thesis Committee will meet with the candidate for an oral examination, which will consist principally of a defense of the thesis. A majority of the student's committee must approve the thesis and its defense. If approval is denied, the candidate will not be recommended for graduation, but may be re-examined after at least one month.

[4.2] MS without Thesis

Course Requirements

A minimum of thirty-four (34) semester hours are required for this track, including at least 15 hours of graduate course work at the 6000-course level. These 15 hours must be composed of three 6000-level courses other than Independent Study and Graduate Seminar. Two semester hours of Graduate Seminar (BIOL 6102) are required, but up to three Graduate Seminar (BIOL 6102) hours and up to four semester hours of Independent Study (6000-level) can be applied to the 34-hour total required. Independent Study allows opportunities for students to gain research skills or other tailored experiences on a semester basis with faculty. Under exceptional circumstances, a student may petition the Biology Graduate Committee and Graduate School to allow a 5000-level course to be substituted for one of the required 6000-level courses. With permission of the Graduate Committee and the Graduate School, up to six semester hours may be taken in a department other than the Department of Biology, if such work has a direct relationship to the student's objectives in achieving the MS degree in biology.

[5] Graduate Course Links

[5.1] Courses in Biology (BIOL)

Follow this link for BIOL course descriptions: course link.

[5.2] Gulf Research Laboratory Courses

Follow this link for a list of graduate courses at the Gulf Research Laboratory that may be taken for credit in the UCA master's program: course link.

[5.3] Courses in Science Education (SCI)

Follow this link for SCI course descriptions: course link.

College Student Personnel Services and Administration

URL: http://uca.edu/gbulletin/fields-of-instruction/college-student-personnel-services-and-administration/

[1] Program Summary

The Master of Science program in College Student Personnel Services and Administration provides professional preparation for students seeking student services positions in both two-year and four-year postsecondary institutions. The program is interdisciplinary to prepare student services administrators for diverse areas of responsibility, including campus climate, finance, grant writing, assessment, career advising, leadership, and legal/ethical issues.

Consistent with the standards and beliefs stated by ACPA: College Student Educators International, NASPA, and the Council for the Advancement of Standards (CAS), UCA's course of study offers opportunities to experience the exciting relationship between theory and practice. Students are expected to meet the intellectual challenges of coursework, assistantships, and professional involvement, while participating in learning experiences leading to an understanding of college student development, collegiate subcultures, organizational dynamics, and the nature of higher education.

The CSPA specialization provides coursework and practica leading to a Master of Science in College Student Personnel Services and Administration.

[2] Objectives

- To enhance the leadership skills of student personnel services administrators who can recognize and adapt quickly to changes in the field
- To promote an understanding of the legal and ethical responsibilities required of student personnel services professionals
- To familiarize students with the theoretical foundation in models of human and student development and learning and to apply those concepts to the creation of more effective service units
- To foster interpersonal communication skills
- To promote the use of qualitative and quantitative analysis and research to investigate and solve problems
- To use technology to create more efficient organizations
- To engage in strategic planning and visioning to provide services that deliver maximum benefit to students
- To engage in sound financial and budgeting practices to use the resources of the organization most efficiently

[3] Admission Requirements

Prospective students can apply to the CSPA program at any time during the year. Applicants who qualify may enter the program on a full-time or a part-time basis. As an applicant for admission, students must present evidence of their ability to participate successfully in a graduate-level academic endeavor. To be considered, applicants must meet the general requirements for admission to the Graduate School and complete all necessary files. Admission to the Graduate School is based upon the following requirements:

1. Online application
2. Graduate School application fee
3. Transcripts from all institutions attended
4. Entrance exam scores (GRE or Praxis CORE)

For more information, please visit the Graduate School website.

Admission to the CSPA program is based upon the following requirements.

1. A completed program application for admission
2. Résumé
3. Three letters of recommendation from professionals who are familiar with the applicant's professional and academic performance, and can address capabilities to be successful in graduate school and the profession
4. A one-page, single-spaced letter of intent that includes reasons for becoming a student affairs professional, reasons for applying to this program, and future goals in the profession
5. Personal interview with CSPA faculty members

Upon receiving all required materials, program faculty will contact the applicant regarding participation in the CSPA Interviewing Conference.

[4] Program Requirements/Curriculum

The program integrates theory with practice by combining academic preparation with field-based experiences and internships. The program also provides students access to graduate-level instruction from faculty with diverse backgrounds, including field practitioners.

The academic program requires the completion of 42 semester hours of graduate credit. Students will choose one of two options, either a non-thesis or a thesis option. Thirty-nine of the 42 credit hours are common to the programs of study for both the thesis and non-thesis options. Additionally, a written comprehensive examination or thesis is required for graduation competency requirements.

Required Courses

CSPA 6310 HISTORY OF HIGHER EDUCATION
CSPA 6311 LEADERSHIP AND SUPERVISION
CSPA 6318 FINANCING HIGHER EDUCATION
CSPA 6320 LAW OF HIGHER EDUCATION
CSPA 6325 ASSESSMENT IN HIGHER EDUCATION
CSPA 6360 DIVERSITY IN HIGHER EDUCATION
CSPA 6365 PRACTICUM
CSPA 6370 INTERNSHIP
CSPA 6391 PRINCIPLES AND PRACTICES IN STUDENT AFFAIRS
CSPA 6392 STUDENT DEVELOPMENT THEORY
LEAD 6320 COUNSELING THEORY IN K–20 EDUCATION
LEAD 6321 RESEARCH METHODS
LEAD 6330 INDIVIDUAL AND GROUP COUNSELING IN THE K–20 EDUCATION ENVIRONMENT

Thesis and Non-Thesis Selective Courses

The thesis option requires three hours of CSPA 6V95 THESIS: STUDENT AFFAIRS.

Based on advising, the non-thesis option requires one of the following two courses:

CSPA 6335 GRANT WRITING
CSPA 6340 CAREER ADVISING

[5] Other Program Policies

1. Transfer Credit: A maximum of nine hours of transfer work may be accepted to meet program requirements excluding courses for practicum and internship. Transfer credit must reflect a final grade of A or B and be approved in advance by both the program coordinator and the department chair.
2. Per UCA Graduate School policy, a graduate student is expected to maintain a cumulative 3.00 average. A student whose cumulative grade point average is less than 3.00 will be placed on academic probation. The following semester of attendance, the student should achieve a cumulative 3.00 or at least show meaningful improvement towards a 3.00 GPA. If the cumulative 3.00 is not met or meaningful improvement is not evidenced, the student will be ineligible to continue in the CSPA program.
3. Professionalism: Candidates are expected to act in accordance with the ethical principles stated by ACPA: College Student Educators International, NASPA, and the Council for the Advancement of Standards (CAS). As professionals providing services in higher education, we are committed to upholding these shared ethical principles for the benefit of our students, our professions, and higher education. Conduct in misalignment with these principles will be subject to disciplinary action, ranging from probation up to or including expulsion from the program.

[6] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer I or II, and Fall). If a student must take a time-out, the student must notify the department in which the program of study resides. If a student fails to register for more than one semester out of three in a given calendar year, that student might be ineligible for readmission unless granted by the home department.

[7] Graduate Course Links (CSPA, LEAD)

Follow this link to CSPA course descriptions: course link.

Follow this link to LEAD course descriptions: course link.

Communication Sciences and Disorders

URL: http://uca.edu/gbulletin/fields-of-instruction/communication-sciences-and-disorders/

[1] Master of Science

[1.1] Objectives

The Master of Science (MS) degree program in Communication Sciences and Disorders is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA) and is designed to meet academic and clinical standards for ASHA's Certificate of Clinical Competence in Speech-Language Pathology.

Questions related to the program's accredited status should be directed to the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association:

2200 Research Boulevard #310
Rockville, MD 20850
Telephone: (800) 498-2071 | (301) 296-5700
Web site: http://caa.asha.org/

Each graduate of the program will also meet academic and clinical requirements for Arkansas licensure in Speech-Language Pathology and Arkansas teacher licensure.

[1.2] Admission Requirements

Admission to the MS Program in Communication Sciences and Disorders is competitive, selective and limited. A Bachelor's Degree is required prior to enrolling but can be in related fields. Applicants must demonstrate proficiency in oral and written communication prior to admission to practicum courses. In addition to the Graduate School admission requirements, Communication Sciences and Disorders requires (1) submission of the Graduate Record Examinations (GRE) General Test prior to the department's recommendation to the Graduate School for admission to graduate studies and (2) submission of a résumé, narrative, and recommendation form. A maximum of 9 credit hours may be transferred from another CAA accredited graduate program, subject to the approval of the departmental graduate advisor. Students should submit applications by January 15 for consideration for fall admission. Applications to the MS in Communication Sciences and Disorders is administered through the Council of Academic Programs in Communication Sciences and Disorders Centralized Application Service for Clinical Education in Audiology and Speech Language Pathology. Complete application instructions are located on the CSDCAS website: http://portal.csdcas.org.

[1.3] Program Requirements

In addition to any undergraduate deficiencies for ASHA certification and Arkansas licensure, completion of the master's degree requires six consecutive semesters of full-time enrollment. Students must complete a minimum of 54 semester credit hours of academic and clinical courses including:

Required Core Courses (40 hours):

CSD 6101 CLINICAL PROFESSIONAL SEMINAR I
CSD 6105 CLINICAL PROFESSIONAL SEMINAR II
CSD 6221 CULTURAL DIVERSITY AND COUNSELING IN COMMUNICATION SCIENCES AND DISORDERS
CSD 6302 RESEARCH FUNDAMENTALS IN COMMUNICATION SCIENCES AND DISORDERS
CSD 6310 ARTICULATION AND PHONOLOGY
CSD 6311 AURAL REHABILITATION
CSD 6314 FEEDING AND SWALLOWING DISORDERS
CSD 6322 FLUENCY DISORDERS
CSD 6325 VOICE DISORDERS
CSD 6329 AUTISM SPECTRUM DISORDERS: ASSESSMENT AND INTERVENTION FOR COMMUNICATION SCIENCES AND DISORDERS
CSD 6335 SEVERE DISABILITIES AND AUGMENTATIVE-ALTERNATIVE COMMUNICATION (AAC)
CSD 6341 MOTOR SPEECH DISORDERS: ASSESSMENT AND TREATMENT
CSD 6343 ADULT LANGUAGE DISORDERS: ASSESSMENT AND TREATMENT
CSD 6344 COGNITION AND NEUROREHABILITATION
CSD 6345 LANGUAGE AND LITERACY DISORDERS: ASSESSMENT AMD INTERVENTION

On demand:
CSD 6306 ADVANCED INDEPENDENT STUDY AND READINGS IN COMMUNICATION SCIENCES AND DISORDERS
CSD 6327 PEDIATRIC FEEDING AND SWALLOWING DISORDERS
CSD 6331 PSYCHOLINGUISTICS FOR COMMUNICATION SCIENCES AND DISORDERS
CSD 6V36 THESIS

Practicum (14 hours):

Students enroll in academic courses during the first 3 semesters and enroll primarily in clinical practicum courses during the last 3 semesters.

The student must meet with the departmental graduate advisor to prepare a plan of study to ensure that all requirements are met. A student must maintain a minimum overall grade point average of 3.0 and maintain satisfactory non academic criteria that are important to function as a speech-language pathologist. Finally, each student must adhere to the rules of ethical conduct as described in the Code of Ethics of the American Speech-Language-Hearing Association.

[2] Doctor of Philosophy

The Doctor of Philosophy (PhD) in Communication Sciences and Disorders is provided through a consortium of three institutions: The University of Central Arkansas, The University of Arkansas for Medical Sciences and the University of Arkansas at Little Rock. The name of this consortium is the Arkansas Consortium for the PhD in Communication Sciences and Disorders. The consortium structure offers the opportunity for interdisciplinary research in both medically oriented sites and in conventional college campus locations. The program prepares graduates for teaching and research through coursework and internships in grant writing, teaching and clinical supervision as well as research and discipline specific areas of study.

[2.1] Admission Requirements

Admission to the program is made by application through the UAMS Graduate School and a program application. A graduate degree in Speech-Language Pathology and/or Audiology is required as well as appropriate state licensure. Complete admission requirements and processes are located on the program website at UAMS.

[2.2] Program Requirements

The Doctor of Philosophy degree in Communication Sciences and Disorders requires a minimum of 70 semester credit hours. Within the 70 hour requirement, students complete a minimum of: 9 hours of statistics, 3 hours of advanced research methods, 6 hours of a research project (pre-dissertation), 18 hours in doctoral seminars, 10 hours in professional development, 6 hours in a collateral area and 18 hours of dissertation research.

[2.3] Graduation Requirements

- Successful completion of an approved program of study as outlined above
- Successful completion of comprehensive examinations
- Successful completion of the dissertation

[3] Graduate Courses in Communication Sciences and Disorders (CSD)

Follow this link for CSD course descriptions: course link.

Computer Science – Applied Computing

URL: http://uca.edu/gbulletin/fields-of-instruction/computer-science-applied-computing/

[1] Objectives

The Master of Science in Applied Computing is designed to provide intensive preparation in both concepts and techniques related to applications of computing systems. The program requires the student to take a wide range of courses to meet the breadth requirement, while simultaneously allowing for emphasis in desired application areas of specialization. Upon completing this degree program, a student should have the ability and skills for immediate employment in positions related to applied computing and also be well prepared for advanced studies in doctoral degrees at leading institutions. Detailed program objectives and educational outcomes can be found at the Department of Computer Science homepage.

[2] Program Admission Requirements

The candidate must meet the Graduate School general requirements for admission to graduate study. Requirements and applications can be found at the Graduate School website.

In addition, applicants are evaluated by the Department of Computer Science based on the following requirements:

- An undergraduate degree in Computer Science or a closely related field with a cumulative GPA of 3.0 or higher (on a 4.0 scale) or a GPA of 3.0 or higher (on a 4.0 scale) for the last 60

credit hours.
A degree is considered closely related if its curriculum includes equivalent coursework for a CS minor at UCA. For other applications, leveling courses will be suggested / required before the student can be enrolled into Graduate Courses. An applicant has the option of demonstrating proficiency in a given course through an exam proctored by the department in lieu of taking a leveling course.

- The GRE verbal and quantitative scores
- An admission packet which includes:
    - A complete form of Application for Admission to Graduate Study,
    - Official transcript of all undergraduate and graduate work,
    - General Test of the GRE
    - A résumé and three names of references

The application package, with application fee, should be submitted directly to the Graduate School. Online application for U.S. students is available at this page: U.S. Admissions. International students seeking admission may complete the form at International Admissions.

For international applicants whose primary language is not English, the Test of English as a Foreign Language (TOEFL) is required.

[3] Degree Requirements

This degree requires a minimum of 34 credit hours with a cumulative grade-point average of at least 3.0. A maximum of six hours may be transferred, with approval of the Graduate Coordinator, from another university toward the degree. Transferred credits will not count towards the UCA grade-point average.

The degree has both thesis and non-thesis options. For both, at least four courses from the three areas (1) algorithms and theory, (2) systems and hardware, and (3) software engineering are required to meet the breadth requirement.

Algorithms and Theory

CSCI 5310 Intro Scientific Computing
CSCI 5325 Concurrent Programming
CSCI 5330 Theory of Computation
CSCI 5385 Artificial Intelligence
CSCI 6330 Topics in Algorithms
CSCI 6360 Advanced Theory of Computation
CSCI 6385 Topics in Artificial Intelligence

Systems and Hardware

CSCI 5300 Operating Systems
CSCI 5305 Unix/Linux Systems
CSCI 5325 Concurrent Programming
CSCI 5385 Artificial Intelligence
CSCI 6380 Advanced Computer Architecture
CSCI 6385 Topics in Artificial Intelligence

Software Engineering

CSCI 5325 Concurrent Programming
CSCI 6381 Topics in O-O Software Development
CSCI 6390 Topics in Software Engineering

A graduate student should file the Petition for Candidacy that includes a Program of Study at the end of the enrollment period in which the total number of graduate hours accumulated toward the current degree reaches 9 or more. The Petition for Candidacy must be made no later than the end of the enrollment period in which the accumulated total of graduate hours reaches 18 hours. Failure to petition for candidacy at the proper time may result in a delay in conferral of the degree.

To complete the master's degree, a student must complete a thesis or a project under the supervision of her/his thesis or project committee. A majority of the committee members must approve the thesis or project. The thesis option usually consists of original work or a detailed survey of a research topic. The non-thesis option usually consists of the production and documentation of code to perform a particular application task. The student must also complete a written report describing the objectives of the work, the previous state of the art, and the results of the project. A public presentation and defense will be required of every student in either option. Successful completion of a thesis will result in up to six credit hours toward the degree. Successful completion of a project will result in three credit hours toward the degree.

Graduate students are expected to participate in the professional activities of the department. This includes attending seminars and colloquia, and suggesting improvements in curriculum, and teaching. The requirements for the degree must be completed within six calendar years of the date of enrollment.

[4] Advisement

When a student is admitted to the program, the Graduate Coordinator or the department chairperson will review the student's records, recommend an initial program of study, and serve as the initial advisor. Before the student completes 18 credit hours or the second semester of graduate work, a student should select a member of the graduate faculty to become principal advisor with the approval of the department chairperson. The advisor and the student will work together to establish a formal Petition for Candidacy with a Program of Study. Any change in the program of study should be agreed upon by both the student and the advisors, and must be approved by the Graduate Dean.

The principal advisor helps the student formulate a thesis or project committee. The committee consists of the principal advisor and at least two other graduate faculty members of this department; the committee may include up to two additional members from outside the department with the approval of the department chairperson. The task of the committee is to oversee the topic selected for the project, assess progress on a regular basis, and conduct the oral examination over the project. An approval by the majority of the thesis/project committee is necessary for a student to pass her/his thesis or project.

[5] Graduate Assistantship

Graduate assistantships are available to students with full admission status. The application for graduate assistantship is available online at http://uca.edu/graduateschool/assistantships-and-other-aid. Considerations when awarding graduate assistantships are based not only on an applicant's credentials but also on available resource and the number of applicants. Normally, graduate assistantship support for students in this program is limited to two years.

[6] Graduate Courses in Computer Science

Follow this link to CSCI course descriptions: course link.

Creative Writing

URL: http://uca.edu/gbulletin/fields-of-instruction/creative-writing/

[1] Objectives

The MFA degree is recognized as a terminal degree in the area of creative writing. This program emphasizes full-time, professionally oriented study that will uniquely prepare graduates for careers in writing pedagogy and publishing.

[2] Program Admission Requirements

In addition to the graduate school application and fee, GRE scores, and transcripts, a student applying to the MFA program in Creative Writing must also submit the following:

- a brief statement on why he/she desires an MFA in Creative Writing.
- a 10- to 30-page portfolio for review in any of the following four areas: poetry, fiction, creative nonfiction, or other.
- at least two upper-level undergraduate courses in Creative Writing on his/her transcript.

Up to 9 credits of graduate work from other accredited institutions may be transferable, pending approval of the chair of the Department of Writing and the dean of the Graduate School. Students admitted with a master's degree in Creative Writing (or a closely related area) may transfer up to 15 hours of graduate coursework, subject to the approval of the dean of the Graduate School and chair of the Department of Writing. All transfer hours must be in courses for which an equivalent graduate course exists at UCA. Students may be requested to provide support materials, including relevant course syllabi. Thesis hours may not be transferred.

In accordance with the *Graduate Bulletin*, a minimum of 24 hours credit in residence at UCA is required.

[3] Degree Requirements

The Master of Fine Arts in Creative Writing is a three-year, 60-credit-hour terminal degree. It includes 45 hours of core coursework (including 9 credits of thesis work) and 15 hours of electives from the list below. Full time students are expected to take nine credits a semester.

[3.1] Curriculum

[3.1.1] MFA Core Courses

MFA students must take 45 hours from the lists below. Generally, each course listed below is 3 credits.

Advanced Forms and Theory Courses – 6 hours

CRWR 6325 Advanced Forms and Theory of Poetry
CRWR 6335 Advanced Forms and Theory of Fiction
CRWR 6345 Advanced Forms and Theory of Creative Nonfiction

Advanced Workshop Courses – 9 hours

Students must take nine (9) hours from at least two of the following areas:

CRWR 6370 Advanced Poetry Workshop
CRWR 6371 Advanced Fiction Workshop
CRWR 6372 Advanced Creative Nonfiction Workshop
CRWR 6373 Novella Workshop

Advanced Special Topics Courses – 6 hours

CRWR 5324 Advanced Special Topics in Creative Writing

These courses will vary according to the expertise of the professor. Possible topics may include environmental writing, screenplay writing, literary translation, the illustrated narrative, genre writing, writing for children, travel writing, writing for new media, etc.

Advanced Internship or Advanced Directed Study – 3 hours

CRWR 6V80 Advanced Directed Study in Creative Writing
CRWR 6V85 Advanced Internship in Creative Writing

Required Courses – 12 hours

CRWR 5320 Teaching Creative Writing: History, Theory and Practice
CRWR 6300 The MFA Experience: A Professional Development Seminar
CRWR 6390 Editing and Publishing
WRTG 5330 Composition Theory and Pedagogy

Thesis Hours – 9 hours

CRWR 7V80 Thesis Research (variable credit: 1-9 credit hours)

[3.1.2] MFA Electives

MFA students must take at least 15 hours from the courses below.

WRTG 6610 Great Bear Writing Project Summer Institute

Additional 5000- or 6000-level workshop, forms and theory, special topics, internship, or directed study courses may also be used to satisfy the elective requirement. A maximum of 12 hours may be taken for degree credit in any workshop course or the special topics course. One 5000- or 6000-level course offered in another department will be allowed with approval by the chair of the Department of Film, Theatre, and Creative Writing.

[3.2] Thesis Project

This is the culminating required project for candidates for the Creative Writing MFA degree. Each student will be responsible for researching, writing and ultimately creating a creative book-length manuscript appropriate to the genre of choice, with a critical introduction. Students will work independently while periodically seeking the assistance and approval of members of their thesis

committee. Enrollment is contingent upon the successful completion of 36 credits of course work and preapproval of the thesis committee. MFA candidates are expected to enroll for a total of 9 hours minimum and must enroll for thesis research credit each term until they successfully defend their theses, typically in their final semester. If the thesis committee does not approve the thesis, a student may register for this course again, provided he or she does not receive a D or less in the course. The learning outcome of thesis research is naturally and literally a mastery of the fine arts in Creative Writing. Offered every semester for variable credit.

[4]Graduate Course Links

Follow this link for CRWR course descriptions: course link.

Follow this link for WRTG course descriptions: course link.

Educational Leadership

URL: http://uca.edu/gbulletin/fields-of-instruction/educational-leadership/

[1] Educational Specialist (EdS) Program in Educational Leadership

The Educational Specialist degree in Educational Leadership (EDLP) includes two general areas of concentration: (1) a PK–12 emphasis in district and school level positions (e.g. superintendent and other central office positions; building administration; curriculum administration; program administration in adult education, special education, or gifted and talented education; instructional technology; library media information technologies, etc.); and (2) a post-secondary education emphasis (e.g. student affairs, college administration, or adult education, etc.). A Post-Master's Certificate in District-Level Administration is also available.

[2] Admission to Program

In addition to meeting the general requirements of the Graduate School, the prospective candidate must

1. Complete the application forms/processes for admittance to the EDLP program.
2. Provide documentation of appropriate master's degree in school or educational leadership or approved equivalent (**Note**: Eligibility for a district-level license requires a standard building-level and/or curriculum/program license).
3. Provide Graduate Record Examination (GRE) general test scores to the Graduate School or Praxis I or verification of a valid standard educator license to the graduate school and the department.
4. Present letters from appropriate officials that verify the applicant has had at least four years of relevant professional experience if appropriate for the area of emphasis.
5. Provide at least three professional references that may be contacted regarding your potential for success in the program.
6. Provide official transcripts from all previously attended institutions. Each candidate's transcript will be evaluated for determining if any courses will be required as program prerequisites for admission into the program.
7. If candidates did not complete an appropriate research or statistics course as part of their master's degree, then one of these courses will be an additional requirement.

[3] Arkansas Requirements for Candidates Seeking P–12 Licensure

Candidates seeking P-12 administrator licensing for District-Level Administrator or Building-Level Administrator (includes Building Administrator and Curriculum/Program Administrator* licenses) must adhere to the following state requirements for UCA to recommend the candidate for licensing:

1. Complete significant internship experiences at P-12 levels.
2. Present to the Department of Leadership Studies the appropriate license application, an appropriate score report showing at least the minimum score set by the state for licensure, and all other documentation that is required by the state.
3. Acquire and provide documentation of the appropriate number of years of professional experience required by the state for the license being sought.

* Curriculum/Program Administrators must hold a valid teaching license in the area of administrator licensing being sought.

[4] Retention Requirements

Retention is contingent upon making satisfactory academic progress toward the degree. Candidates focusing on the P–12 emphasis must hold a current and valid teacher's license. Serious violations of the state ethics mandates for P–12 educators, and/or serious violations of UCA student academic conduct policies may result in suspension or dismissal from the program.

[5] Resident Credit and Transfer Credit

No more than six semester hours credit of grade "B" or above earned at another institution may be applied to the degree requirements. To be considered for transfer, the credits must have been awarded by a state or regionally accredited institution, must have been earned after completion of the master's degree, must complement the student's approved program of study, and must be approved in advance by the department. Internship and portfolio credit may not be transferred. Acceptance of transfer credit does not reduce the 24 hours of residency requirement.

[6] Degree Requirements

The EdS degree in Educational Leadership requires that the candidate

1. Earn a minimum of 30 semester hours of graduate credit including three required courses (9 semester hours)—EDLP 7301, 7363, 7387—and a minimum of 21 hours of selective courses congruent with area of emphasis, maintaining a minimum GPA of 3.0, with no more than six hours of "C" grades; and
2. Complete satisfactorily the program's required culminating experience.

[6.1] PK–12 Education Concentration

[6.1.1] Core requirements (9 hours)

EDLP 7301 Program Planning and Evaluation
EDLP 7363 Human Resource Administration
EDLP 7387 Organizational Change and Development

[6.1.2] Selective credit hours (minimum of 21 hours)

Course selections are based on area of emphasis, transcript analysis, and department approval. The selective courses will be chosen from appropriate coursework from existing graduate-level offerings. Please see the Department of Leadership Studies website and/or contact the Program Coordinator for more information.

[6.2] Post-Secondary Education Concentration

[6.2.1] Core requirements (9 hours)

EDLP 7301 Program Planning and Evaluation
EDLP 7363 Human Resource Administration
EDLP 7387 Organizational Change and Development

[6.2.2] Selective credit hours (minimum of 21 hours)

Course selections will based on area of emphasis, transcript analysis, and department approval. The selective courses will be chosen from appropriate coursework from existing graduate-level offerings. Please see the Department of Leadership Studies website and/or contact the Program Coordinator for more information.

[7] Post-Master's Certificate in District-Level Administration

→ Gainful Employment Information – Post-Master's Certificate in District-Level Administration: 2015-16 | 2014-15

[7.1] Core Course Requirements (21 hours)

EDLP 6324 Facilities Planning and Administration
EDLP 7301 Program Planning and Evaluation
EDLP 7324 School Board Relations
EDLP 7300 School Finance
EDLP 7V30 Internship District Leadership (3 credit hours)
EDLP 7363 Human Resource Administration
EDLP 7387 Organizational Change and Development

[7.2] Certificate Requirements

To be recommended for the certificate, candidates must meet the following requirements:

1. Complete all required coursework with at least a 3.00 GPA (maximum of seven hours of "C" grades may be counted toward degree);
2. Complete satisfactorily the program's required culminating experience;
3. Present score reports on the state mandated external national examination and meet at least the minimum score set by the state for licensure, and;
4. Present other documentation that is required by the state in order for the department to recommend you for the appropriate administrator's license.

[8] Graduate Course Links: Educational Leadership (EDLP)

Follow this link for EDLP course descriptions: course link.

English

URL: http://uca.edu/gbulletin/fields-of-instruction/english/

[1] MA in English

[1.1] Objectives

The Master of Arts (MA) program in English allows students three options: a Literature option for those interested in advanced study of literature; a Medieval and Renaissance Option for students interested in focusing their graduate study more narrowly in those areas; and a Language Arts option for teachers interested in enhancing their content area knowledge. The MA in English is designed to do the following:

- teach and have students retain knowledge about the periods, authors, genres, and critical theory germane to the study of English and American literature and about the English language on a level befitting graduate-level study; in the case of the Medieval/Renaissance option, retain knowledge about the early periods of English literature in the context of English and American literature as a whole, focusing on authors, genres, and critical theory germane to the study of English literature on a level befitting graduate-level study.
- teach students to conduct and present graduate-level research, including the discovery, evaluation, integration, and documentation of primary and secondary sources.
- teach students to read closely and to think critically about literary works in order to form a thorough understanding of those works, their complexities, and how they fit into the larger scope of English and American literature.
- teach students to compose graduate quality writing that presents arguments in clear, mechanically sound prose and supports those arguments with evidence drawn from primary and secondary sources.

The Medieval and Renaissance Option adds one more objective to the four listed above:

- Students completing the MA program option in Medieval and Renaissance literature will demonstrate a reading knowledge of a language of value to the study of the literature of these periods.

In addition, the Language Arts option of the English MA program includes the following objectives:

- teach and have students analyze key issues in linguistics and education through a written analysis.
- teach and have students demonstrate the ability to apply composition theory to pedagogy through a written analysis.
- teach and have students demonstrate the ability to apply creative writing theory to pedagogy through a written analysis.
- help students identify strategies for teaching diverse literatures in the K–12 classroom.

[1.2] Program Admission Requirements

[1.2.1] Literature Option and Medieval and Renaissance Option

In addition to meeting the general requirements for admission to graduate school, the student must present satisfactory scores on the General Section of the Graduate Record Examination (GRE). (See Admission to Graduate Study.) The English department recommends a minimum of 153 on the Verbal Reasoning portion of the GRE. Further, the student must have earned a minimum 3.00 GPA in an undergraduate major or minor in English literature to gain regular admission to the program. Finally, a student must show the equivalent of one year of undergraduate foreign language study, or must remedy this deficiency before the MA Comprehensive Examination is taken. The English department requests that applicants supply two letters of recommendation and a 7–10 page writing sample with their application.

Those international students required by the university to submit TOEFL scores for entrance to graduate study must score a minimum of 600 on the written exam or 250 on the computerized exam in order to gain admission to graduate study in English. Further, the student must attain a minimum score of 5 on the essay portion of the exam.

For conditional admission to the program, consult the department chair or graduate coordinator.

[1.2.2] Language Arts Option

Applicants must apply for admission to both the Graduate School and the Master of Arts in English. In addition to taking the GRE test, admission to the master's option in English Language Arts requires the following:

Unconditional Admittance:

1. The applicant must score a minimum of 4 on the writing section of the GRE.
2. The applicant must score a minimum of 153 on the verbal section of the GRE.
3. The applicant must submit a Statement of Purpose detailing why he or she wants to pursue this degree.
4. The applicant must have at least a 2.7 undergraduate GPA.
5. The applicant must submit two letters of recommendation.

Conditional Admittance:
Applicants who do not meet one or more of these requirements may be admitted to the program at the discretion of the Director of the English Graduate Program. These students maintain a 3.0 GPA by the end of 12 hours to remain in the program.

[1.3] Degree Requirements

In all three options, at least 15 of the student's 30 hours must consist of 6000-level courses. All students pursuing the MA are required to pass the following courses:

ENGL 5360 History and Structure of the English Language
ENGL 5366 Literacy Theory and Criticism
ENGL 6393 Research Methods in English

The department strongly recommends that ENGL 6393 be taken at the earliest opportunity.

Students who completed ENGL 4360 and/or ENGL 4366 with a grade of C or better at UCA need not retake these courses at the 5000 level. Instead, students will need to substitute any 5000- or 6000-level course for each.

[1.3.1] Literature Option

Candidates for the English MA-Literature option must fulfill one of the following plans:

Non-Thesis: Satisfactorily complete 30 hours of English and pass a comprehensive examination based upon the department's Master's Reading List.

Thesis: Satisfactorily complete 24 hours of English, pass a comprehensive examination based upon the department's Master's Reading List, prepare a thesis for which 6 hours of credit are earned, and pass an oral examination over the subject matter of the thesis.

Upon acceptance into the graduate program, each student will be advised by a member of the department's graduate faculty and will procure a Master's Reading List from the departmental secretary. At or near the end of the candidate's program, the Coordinator of Graduate Study and members of the graduate faculty will give the student a comprehensive, written examination. If the candidate's performance is unsatisfactory, the student may be re-examined during one of the regularly scheduled comprehensive exam periods.

Should the student elect the thesis option, he or she will select a major professor to direct the thesis. When the thesis is submitted, an oral examination will be given by a committee composed of the major professor, a member of the graduate faculty (to be appointed by the departmental chairperson), and a member of the graduate faculty from outside the Department of English.

[1.3.2] Language Arts Option

Required Core Courses (9 hours – required of all MA candidates in English – see § 1.3 above):

Required Courses for Language Arts Option (9 hours):

LING 5310 Educational Linguistics
CRWR 5320 Teaching Creative Writing: History Theory and Practice*****
WRTG 5330 Contemporary Composition: Theory and Application

*****Prerequisite Creative Writing course is required. May be an undergraduate course.

Electives (9 hours):
Choose three courses from these approved electives (two must be literature courses):

ENGL 5325 Special Topics in Postcolonial Literature
ENGL 6306 Seminar in English Literature 1900 to Present
ENGL 6307 Seminar in American Literature 1900 to Present
ENGL 6321 Readings in American Literature
ENGL 6323 Literature of the Americas for Teachers
ENGL 6325 Asian/Asian American Literature for Teachers
ENGL 6394 Graduate Independent Study
WRTG 6310 Advanced Topics in Discourse Analysis
WRTG 6610 Central Arkansas Writing Project [Note: choosing this option will add an extra 3 hours to the degree program, since this is a 6-hour workshop.]

Required Capstone Course (3 hours):

ENGL 6365 Diverse Literatures Seminar

[1.3.3] Medieval and Renaissance Option

In addition to the nine hours required of all MA candidates, students in the Medieval and Renaissance Option must complete the following course:

ENGL 6336 Manuscripts and Texts

Electives (9 hours)

Choose three courses (nine hours) from these approved electives. If 5000-level courses are chosen, they should NOT be courses for which the student has earned undergraduate credit.

ENGL 5301 The Renaissance
ENGL 5304 Studies in British and American Literature (Must be a Medieval or Renaissance topic, e.g., "Old English")
ENGL 5305 Medieval English Literature
ENGL 5330 Shakespeare I
ENGL 5331 Shakespeare II
ENGL 5340 Chaucer
ENGL 5341 Milton
ENGL 5342 The Seventeenth Century
ENGL 5343 Tudor-Stuart Drama
ENGL 5385 Travel Seminar in Literature (Focus of major project must be Medieval or Renaissance literature, e.g., "Dante" during trip to Florence)
ENGL 6301 Seminar in Medieval English Literature
ENGL 6302 Seminar in the Renaissance
ENGL 6337 Internship: Arkansas Shakespeare Theater Intensive
ENGL 6394 Graduate Independent Study (Must be a Medieval or Renaissance topic, e.g., "Old Norse Language and Literature")

Required Course Outside of the Medieval and Renaissance Periods (3 hours)

The purpose of this requirement is to ensure that candidates have one minor area of study to help prepare them for the Comprehensive MA exam, where they must choose three essay topics: students in this option must write on the Medieval question and the Renaissance question, and choose one other area upon which to write. The required course should be chosen from these approved courses. (Again, if 5000-level courses are chosen, they should NOT be courses for which the student has earned undergraduate credit.)

ENGL 5311 The Neoclassical Period
ENGL 5312 American Provincial Literature
ENGL 5313 American Romanticism and Realism
ENGL 5315 Twentieth-Century American Poetry
ENGL 5320 The Romantic Period
ENGL 5321 The Victorian Period
ENGL 5325 Special Topics in Postcolonial Literature
ENGL 5354 Modernism

ENGL 5355 Postmodernism
ENGL 5372 Eighteenth-Century English Novel
ENGL 5373 Nineteenth-Century English Novel
ENGL 5374 Twentieth-Century English Novel
ENGL 5375 Twentieth-Century English Poetry
ENGL 6303 Seminar in Neoclassicism
ENGL 6304 Seminar in Romanticism
ENGL 6305 Seminar in The Victorian Period
ENGL 6306 Seminar in Modernism
ENGL 6320 American Romantic Period

Thesis and Non-Thesis Options (6 hours)

Students must choose one option or the other.

Thesis: In addition to the satisfactory completion of the above 24 hours of English classes, and to the passing of a comprehensive examination based upon the department's Master's Reading List, the student must prepare a thesis for which 6 hours of credit are earned,. The thesis must be on a Medieval and/or Renaissance topic, and the student must pass an oral defense of the thesis before a committee of graduate faculty.

Non-Thesis: In addition to the satisfactory completion of the above 24 hours of English classes, and to the passing of a comprehensive examination based upon the department's Master's Reading List, the student must take an additional 6 hours of credit chosen from the above list or from this list of non-ENGL courses:

HIST 5302 History of Witchcraft
HIST 5360 The Mediterranean World in Late Antiquity, 300-900 AD
HIST 5361 The Mediterranean World in the Medieval Period, 900-1400 AD
HIST 5362 Tudor and Stuart England, 1485-1690
HIST 5374 The European Renaissance and Reformation
HIST 6341 Medieval History, 450-1450
HIST 6342 Early Modern Europe
PSCI 5340 Seminar: Selected Topics (Must be a Medieval or Renaissance topic)
PSCI 5V99 Studies in Political Science (Must be a Medieval or Renaissance study)

Students may petition to count any of the following courses (or other courses the student and his/her advisor deem appropriate) for the non-thesis option:

SPAN 5395 Advanced Spanish Literature: Theme Course (Must be a Medieval or Renaissance theme)
SPAN 6330 Hispanic Author Seminar (Must be a Medieval or Renaissance author)
SPAN 6335 Seminar on Literary Genre (Must deal with Medieval or Renaissance texts)

Comprehensive Examination

Prior to sitting for the MA comprehensive exam, students should study the annual reading list compiled by the department to ensure familiarity with the Medieval and Renaissance texts and texts from their elective period required for the exam for that year. Students will write three essays on the exam: one in Medieval literature, one in Renaissance literature, and one in a separate elective area.

Finally, instead of a comprehensive essay covering several periods, students in this concentration would take an exam in a Medieval language.

Language Requirement

In lieu of independently studying the comprehensive MA reading list, students in this program will study a language appropriate to this area of specialization. This study may take place through a class or independently. For the second part of the comprehensive exam, students in the this option will have 90 minutes to translate a passage from Latin, Old English, or Old Norse, with the use of a dictionary or handbook in the language. Upon request, students may substitute a passage in another Medieval or Early Modern language, if they are familiar with it (e.g., French, German, or Spanish); note, however, that the passage for translation will be drawn from late Medieval or early Renaissance texts. Courses in Old English or another medieval language will be offered for credit every few semesters.

[2] Graduate Course Links

[2.1] Courses in English (ENGL)

Follow this link to ENGL course descriptions: course link.

[2.2] Courses in Other Areas (HIST, LING, PSCI, SPAN, WRTG)

Follow this link to CRWR course descriptions: course link.

Follow this link to HIST course descriptions: course link.

Follow this link to LING course descriptions: course link.

Follow this link to PSCI course descriptions: course link.

Follow this link to SPAN course descriptions: course link.

Follow this link to WRTG course descriptions: course link.

Exercise Science

URL: http://uca.edu/gbulletin/fields-of-instruction/exercise-science/

[1] Objectives

The Department of Exercise and Sport Science offers the Master of Science with a thesis/non-thesis option. The MS degree is designed to develop a high level of knowledge and competence in exercise science. The goal of this degree is for students to gain a deeper understanding of the primary areas of exercise science (exercise physiology, biomechanics, and motor control) and the research methods used to obtain this knowledge. This degree, particularly with the thesis option, can also serve as preparation for work at the doctoral level.

[2] Program Admission and Retention Requirements

Admission to graduate study and admission to candidacy for the Master of Science degree in Exercise Science will be the same as stated in the current *Graduate Bulletin*. A score report on the Graduate Record Examinations (GRE) General Section must be submitted prior to admission.

Retention in the program will be the same as stated in the current *Graduate Bulletin*.

[3] Degree Requirements

[3.1] Thesis Option (36 hours)

The thesis candidate must complete and submit a Master's Thesis in accordance with the graduate thesis requirements in the current UCA Thesis and Dissertation Preparation Guide. After the thesis has been read and approved, and before the candidate is recommended to the Dean of the Graduate School for graduation, the candidate will meet with the Thesis Committee for an oral examination, which will consist principally of a defense of the thesis. A majority of the student's committee must approve the thesis and defense. If approval is denied, the candidate will not be recommended for graduation. In this event, the student may be re-examined no sooner than three months and no later than one year after initial examination. A maximum of two defense attempts will be allowed. If a student who has selected the thesis option wishes to change to the non-thesis option, no credit will be granted for thesis courses. A student will be allowed no more than one change of option.

[3.1.1] Core requirements (18 hours)

EXSS 6310 Motor Learning
EXSS 6315 Research Methods in Exercise and Sport Science
EXSS 6316 Data Analysis
EXSS 6333 Evaluation of Cardiorespiratory Adaptation
EXSS 6336 Analysis of Human Movement
EXSS 6337 Evaluation of Neuromuscular Adaptation

[3.1.2] Thesis research (6 hours)

EXSS 6V01 Thesis Research

The procedures for selecting and writing a thesis will be the same as prescribed in the current *Thesis and Dissertation Preparation Guide*.

[3.1.3] Electives (12 hours)

Selected with approval of graduate advisor to include not more than six hours from an outside field. EXSS elective courses are listed in section 3.2.2, below.

[3.2] Non-Thesis Option (36 hours)

The student will be required to pass a written and oral comprehensive examination. The examination will be administered during the spring and fall semesters and the first summer session each year. An oral examination will be scheduled no later than two weeks following the written examination. A maximum of two attempts will be allowed to successfully pass the examination (both written and oral portions). Students who fail either portion of the exam will be required to enroll in a EXSS 6300 Independent Study during the semester they wish to retake the exam. Students may be tested again a minimum of one semester and a maximum of three semesters (summer, fall, spring) after the first examination attempt. To be eligible to take the examination the student must be within nine hours of completing the degree requirements. It will be the responsibility of the student to advise the department's graduate coordinator of the intent to take the examination.

[3.2.1] Core requirements (12 hours)

EXSS 6310 Motor Learning
EXSS 6315 Research Methods in Exercise and Sport Science
EXSS 6316 Data Analysis
EXSS 6333 Evaluation of Cardiorespiratory Adaptation
EXSS 6336 Analysis of Human Movement
EXSS 6337 Evaluation of Neuromuscular Adaptation

[3.2.2] Electives (24 hours)

Selected with approval of graduate advisor not to exceed more than nine hours from an outside field.

Courses in Exercise and Sport Science that can be used as electives under either option are listed here:

EXSS 5V71 Special Topics in Exercise and Sport Science
EXSS 5331 Care and Prevention of Exercise and Sports Injuries
EXSS 5332 Critical Analysis of Research
EXSS 5350 Obesity Prevention and Management
EXSS 5352 Exercise Prescription for Special Populations
EXSS 5376 Advanced Strength and Conditioning
EXSS 6300 Independent Study in Exercise and Sport Science
EXSS 6320 Organization and Development of School and Community Recreation Programs
EXSS 6330 Foundations of Exercise and Sport Science
EXSS 6334 Contemporary Coaching Problems
EXSS 6360 Measurement in Exercise and Sport Science
EXSS 6370 Athletic Administration

[4] Graduate Courses in Exercise and Sport Science (EXSS)

Follow this link for EXSS course descriptions: course link.

Family and Consumer Sciences

URL: http://uca.edu/gbulletin/fields-of-instruction/family-and-consumer-sciences/

[1] Objectives

The graduate program in family and consumer sciences leads to the Master of Science degree. The program is designed to serve the needs of qualified students preparing for family and consumer sciences careers in business, education, hospitals, industry, government, or community agencies, or for entering a doctoral program in family and consumer sciences or in a related discipline. A post-baccalaureate Dietetic Internship is also offered.

[2] Dietetic Internship

The Dietetic Internship is a supervised dietetic practice and study program accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

Accreditation Council for Education in Nutrition and Dietetics
120 South Riverside Plaza, Suite 2190
Chicago, IL 60606-6995
Telephone: (800) 877-1600 x5400
Email: ACEND@eatright.org
Website: http://www.eatright.org/acend

The dietetic internship meets performance requirements for eligibility to write the Commission on Dietetics Registration exam to become a Registered Dietitian Nutritionist (RDN). The dietetic internship is to be completed in 15 months. The first year includes instruction in community nutrition and food-service management. Instruction and practicum experiences during the second year include clinical nutrition and clinical management. Practice sites include various health care facilities in the central Arkansas area.

[2.1] Dietetic Internship Entrance Requirements

- Baccalaureate degree.
- Verification statement of completion of Academy of Nutrition and Dietetics accredited Didactic Program in Dietetics (DPD).
- Official transcript(s) of course work from all colleges and universities attended.
- Minimum of 3.00 GPA (on a 4.00 scale).
- Recommended GRE score of 300 (150 verbal, 150 quantitative) with 3.0 on writing.
- Work experience in nutrition-related area.
- Completed dietetic internship application. See http://uca.edu/facs/programs/dietetic-internship/.

[3] Master of Science Degree

[3.1] Program Admission Requirements

Admission to the MS degree program in family and consumer sciences requires a baccalaureate degree in Family and Consumer Sciences or an allied area. In addition to entrance requirements for the graduate school, satisfactory scores on the General Section of the Graduate Record Examinations (GRE) must be submitted.

[3.2] Degree Requirements

The degree plan offers thesis and non-thesis options; the requirements for these options differ. All students will take comprehensive examinations and complete a graduate portfolio as described in the departmental manual for graduate students. For the MS degree, the student must fulfill one of the following options:

[3.2.1] Thesis Option (30 hours)

Core requirements (9 hours):

FACS 6300 Current Issues in Family and Consumer Sciences
FACS 6335 Evidence-Based Research in Nutrition **or** ASTL 6380 Research Methods **or** H SC 6379 Research in Health

FACS 6350 Statistical Methods in Family and Consumer Sciences **or** ASTL 6382 Educational Statistics **or** EXSS 6316 Data Analysis

Thesis research (6 hours):

FACS 6344 Thesis Research I
FACS 6345 Thesis Research II
(The procedures for selecting and writing a thesis will be those prescribed in the current UCA *Thesis and Dissertation Preparation Guide*, available on-line at http://uca.edu/graduateschool/thesis-and-dissertation/.

Specialization track (12 hours): student will select one of the specialization tracks listed below.

Elective (3 hours): elective in an allied area approved by major advisor.

[3.2.2] Non-Thesis Option (36 hours)

Core requirements (9 hours): same as for thesis option.

Specialization track (15-18 hours): student will select one of the specialization tracks listed below.

Elective (9–12 hours): electives in an allied area approved by major advisor.

[3.2.3] Specialization Tracks

Clothing, Textiles, and Fashion (12 hours with thesis, 15-18 hours without thesis):

FACS 5V30 Special Topics (variable credit, 1-3 credit hours)
FACS 6303 History of Fashion
FACS 6305 Problems in Consumer Textiles
FACS 6306 Clothing Trends
FACS 6309 Consumer Economics
FACS 6320 Directed Study

Nutrition and Foods (12 hours with thesis, 15-18 hours without thesis):

NUTR 5315***** Nutrition Services Practicum I
NUTR 5316***** Nutrition Services Practicum II
NUTR 5317***** Community Nutrition Practicum
NUTR 5318***** Clinical Nutrition Practicum
NUTR 5321***** Nutritional Services Administration
NUTR 5324***** Nutritional Assessment
NUTR 5325 Medical Nutrition Therapy I
NUTR 5340 Geriatric Nutrition
NUTR 5374 Medical Nutrition Therapy II
NUTR 5375 Nutrition in Exercise & Sports
NUTR 6307 Current Findings in Foods
NUTR 6308 Trends in Nutrition
NUTR 6313***** Diet Therapy
NUTR 6330 Metabolic Nutrition
NUTR 6335 Nutrition Counseling
NUTR 6340 Diabetes Medical Nutrition Therapy

NUTR 6345 Pediatric Nutrition
FACS 5V30 Special Topics
FACS 6309 Consumer Economics
FACS 6320 Directed Study

***** Indicates courses included in the dietetic internship program.

General Family and Consumer Sciences (12 hours with thesis, 15-18 hours without thesis): All FACS courses listed in the specialized tracks may be used for the general degree. In addition to the courses listed in the two specialized areas, the following courses may be used as electives in the general track:

FACS 5310 Program Development in Family and Consumer Sciences
FACS 5V30 Special Topics (variable credit, 1-3 credit hours)
FACS 6301 History and Philosophy of Family and Consumer Sciences
FACS 6310 Advanced Resource Management
FACS 6311 Readings in Family Relations
FACS 6312 Readings in Child Development
FACS 6315 Readings in Adolescent Development
FACS 6330 Transdisciplinary Assessment of Young Children
FACS 6331 Readings in Parent Child Relations
FACS 6332 Readings in Adult Development and Aging
FACS 6341 Housing
FACS 6342 Home Furnishings
FACS 6354 Transdisciplinary Intervention with Young Children

[3.3] Additional Requirements

[3.3.1] MS Thesis Option

After the thesis has been read and approved and before the candidate is recommended to the Dean of the Graduate School for graduation, the candidate will meet with his/her thesis committee for an oral examination, which will consist principally of a defense of the thesis. A majority of the student's committee must approve the thesis and its defense. If approval is denied, the candidate will not be recommended for graduation. In this event, the student may be re-examined at a later period, no sooner than two months after initial examination. Students will also be required to successfully complete a graduate portfolio as described in the departmental manual for graduate students.

[3.3.2] MS Non-Thesis Option

The student will be required to complete a graduate portfolio and pass a written comprehensive examination. The comprehensive exam will be given with the permission of the graduate coordinator or department chair after the student has completed the required courses. The student will advise the graduate coordinator of intent to take the examination by submitting a Comprehensive Examination Request form (see departmental manual for graduate students) to the department chair early in the semester of the requested examination date.

[4] Graduate Course Links

Follow this link to FACS course descriptions: course link.

Follow this link to NUTR course descriptions: course link.

Follow this link to ASTL course descriptions: course link.

Follow this link to H SC course descriptions: course link.

Film

URL: http://uca.edu/gbulletin/fields-of-instruction/film/

[1] Objectives

The MFA degree is recognized as a terminal degree in the area of film production. The Film program emphasizes full-time, professionally oriented study and is aimed toward students wishing to work professionally in the motion picture and related fields or wishing to teach at the university level.

[2] Program Admission Requirements

In addition to the graduate school application and fee and transcripts, students applying to the MFA program in Film must also submit the following:

1. A statement of purpose that explains the student's background, why the student wants to attend the Film program at UCA, what they hope to accomplish, and why they think they can be successful (2-pages)
2. A current résumé or vita
3. Two letters of recommendation
4. A 2–3 page creative film scenario writing sample based on a provided prompt
5. Supplemental (highly recommended): A portfolio of creative work, either visual (video or film work, photographs) or written (screenplays, stage plays, or fiction)

Students are not required to submit GRE scores.

In accordance with the guidelines established in the Graduate Bulletin, up to 15 hours of graduate work from an accredited institution may be accepted at UCA, subject to approval by the graduate dean and the department chair. All transfer hours must be in courses for which an equivalent exists at UCA. Students may be requested to provide supporting materials, including relevant course syllabi. Thesis hours may not be transferred.

Students admitted with a completed MA or MS degree in film production (or closely related area) may transfer up to 18 hours of graduate course work, subject to approval by the graduate dean and the department chair. All transfer hours must be in courses for which an equivalent exists at UCA. Students may be requested to provide supporting materials, including relevant course syllabi. Thesis hours may not be transferred. In accordance with the Graduate Bulletin, a minimum of 24 hours credit in residence at UCA is required.

[3] Degree Requirements

The Master of Fine Arts in Film is a three-year, 60-credit-hour terminal degree. The program emphasizes storytelling and production through a series of courses and the thesis project. In addition, students are required to take courses in history and theory to create a well-rounded education.

Students are expected to take 12 credits a semester in fall and spring of the first two years of the program.

[3.1] Courses

The student is required to complete 48 hours of course work before beginning the thesis project.

Required Courses

Production Block (12 credit hours)

FILM 6300 Production Project (repeatable)

Storytelling Bock (12 credit hours)

FILM 6327 Storytelling 1: Introduction to Visual Narrative
FILM 6326 Storytelling 2: Directing the Motion Picture
FILM 6363 Storytelling 3: Short Film Writing
FILM 6360 Storytelling 4: Screenwriting

Studies Block (12 credit hours)

FILM 6316 Film Theory
FILM 6317 Cognitive/Ecological Theories of Cinema
FILM 6340 History of American Cinema
FILM 6341 History of International Cinema

Electives (12 credit hours)

FILM 5305 Production Design
FILM 5311 Cinematography
FILM 5320 Film Editing
FILM 5354 Animation for Visual Effects
FILM 5355 Visual Effects Compositing
FILM 5363 Audio Production and Design for Film
FILM 5373 Documentary Production
FILM 5V90 Internship (variable credit: 1–3 credit hours)
FILM 5392 Topics in Digital Production
FILM 6390 Directed Study in Digital Filmmaking

Thesis (12 credit hours)

FILM 7V80 Thesis (variable credit: 1–6 credit hours)

Substitutions may be made at the discretion of the student's advisor and/or committee.

[3.2] Comprehensive Examination

The student must pass a comprehensive examination administered by the thesis committee before beginning the thesis project (usually spring semester of the second year). The comprehensive examination will cover history, theory, and production practices.

[3.3] Thesis Project

The thesis project will take the form of a short, narrative, fiction film, the approximate length of which will be determined by the student's thesis committee.

Students are expected to complete all coursework and pass the comprehensive examination before beginning thesis hours.

By the end of the fourth semester of study (48 credit hours completed) the student will submit a script and production proposal that must be approved by the thesis committee. The script details the student's proposed film and provides the opportunity for review and feedback from the committee. The production proposal will provide the student's vision for the film.

The script and proposal will be submitted to the committee in a formal meeting. Graduate students are required to present their script and proposal orally to their committee, providing members the opportunity to evaluate the student's knowledge and understanding of the proposal as well as the student's ability to reason and present logical explanations to questions related to the completion of the proposed film.

Students typically enroll in six hours of thesis credits per semester in their third year. Students must complete 12 hours of thesis work to graduate.

The completed thesis project will include the following elements:

1. A completed short, narrative, fiction film
2. A copy of the production proposal, with a new, added Conclusions section
3. The final shooting script in proper script format
4. A production book containing all relevant pre-production and production paperwork, including, but not limited to, script breakdown sheets, story boards, shooting schedule, element lists (props, costumes, etc.), and all necessary release forms (actor, location, music, etc.), as well as creative documents, including shot lists, set plans, and script analysis

When the thesis project is completed, an oral examination of the candidate will be held. The oral examination is principally a defense of the thesis. This provides an opportunity for the student to present his/her work to the committee formally and for the committee to indicate its acceptance or to require further work.

[4] Graduate Courses in Film (FILM)

Follow this link for FILM course descriptions: course link.

Geographic Information Systems

URL: http://uca.edu/gbulletin/fields-of-instruction/geographic-information-systems/

UCA offers a Master of Geographic Information Systems (MGIS), a graduate certificate program in Geographic Information Systems, and an additional graduate course in Geography. Most courses are available online. All course offerings meet the UCA Principles of Electronically Offered Courses.

[1] Master of Geographic Information Systems (MGIS)

[1.1] Program Description

The Master of Geographic Information Systems (MGIS) degree is modeled after the online Executive MBA programs which are popular and successful across the country. Both a thesis and a non-thesis option are available. Students who enroll in the Degree will ideally have had previous GIS coursework (having taken at least one GIS course at the undergraduate level) or be currently employed in a position which requires the use of GIS or GIS-based information services (i.e., either a GIS professional seeking greater training or someone who must manage GIS workers or who needs information from a GIS to perform his/her job).

[1.2] Admission Requirements

In addition to the general requirements for admission to graduate study at UCA, applicants to the Master of GIS degree must meet the following requirements for admission: (1) have achieved an undergraduate GPA of at least 3.00 on a scale of 4.00, (2) have earned a combined Verbal and Quantitative score of at least 290 on the GRE, and (3) have successfully completed at least one college-level GIS course or be currently employed in an agency/business where GIS is frequently used by the applicant. In consultation with the Chair of the Department of Geography, exceptions to item 3 may be considered.

[1.3] Course Requirements – Thesis Option

The 30-hour, Master of Geographic Information Systems (MGIS) degree (thesis option) is configured as outlined below:

Required Courses

GEOG 5310 Geographic Information Systems
GEOG 5315 Mapping Fundamentals for GIS
GEOG 5345 Digital Image Processing for GIS
GEOG 6320 Technical Issues in GIS
GEOG 6328 Spatial Analysis and Modeling
GEOG 6V60 Directed Readings and Research in GIS
GEOG 6380 GIS Research Methodology
GEOG 6V90 Thesis (6 hours total)

Elective Courses

GEOG 5312 Health Applications of GIS
GEOG 5340 Fundamentals of Database Design and Development
GEOG 6330 Environmental Applications of GIS
GEOG 6333 GIS for Planning and Public Administration
GEOG 6370 Advanced GIS

[1.4] Course Requirements – Non-Thesis Option

The 30-hour, Master of Geographic Information Systems (MGIS) degree (non-thesis option) is configured as outlined below:

Required Courses (21 credit hours)

GEOG 5310 Geographic Information Systems
GEOG 5315 Mapping Fundamentals for GIS
GEOG 5340 Fundamentals of Database Design and Development
GEOG 5345 Digital Image Processing for GIS
GEOG 6320 Technical Issues in GIS
GEOG 6328 Spatial Analysis and Modeling
GEOG 6380 GIS Research Methodology

Elective Courses (9 credit hours)

GEOG 5312 Health Applications of GIS
GEOG 6330 Environmental Applications of GIS
GEOG 6333 GIS for Planning and Public Administration
GEOG 6370 Advanced GIS
GEOG 6V60 Directed Readings and Research in GIS (3 credit hours total)

Graduate Portfolio

Upon completion of their coursework, students must submit to their academic adviser a portfolio of sample work from their MGIS courses. The Graduate Portfolio shall consist of work from the following courses:

GEOG 5315 Mapping Fundamentals for GIS
GEOG 5340 Fundamentals of Database Design and Development
GEOG 6328: Spatial Analysis and Modeling
plus sample work from two elective courses

The portfolio will be reviewed by a committee of all faculty within the MGIS program who will determine whether the portfolio passes or fails.

[1.5] Transfer Credit

Students may transfer up to two courses from other departments into the degree as long as they represent a coherent sequence and/or are relevant to the student's professional interest in GIS. To be accepted into the student's degree program, the courses cannot have been applied toward a previous UCA degree. All transfer courses must be approved by the Chair of the Department.

[2] Graduate Certificate in Geographic Information Systems

→ Gainful Employment Information – Graduate Certificate in Geographic Information Systems: 2015-16 | 2014-15

[2.1] Objectives

The graduate certificate in Geographic Information Systems is designed to provide working professionals with improved knowledge and skills and to enable them to more fully understand and use geographic information systems (GIS) in their workplace. Completion of the certificate program will give students the ability to use GIS more fully in their fields of interest, enhance their existing job performance, and increase employability.

[2.2] Program Description

The GIS certificate program focuses on spatial analysis, GIS-related applications, and the applied needs of employers. This applied focus, coupled with distance learning, is practical rather than theoretical. The certificate program attracts persons from a wide variety of educational and employment backgrounds and furnishes them with enhanced GIS knowledge, more sophisticated skills, and the ability to apply those skills to situations found at their work place.

GIS is one of the many requisite skills working professionals need to better serve their communities. GIS applications are used in transportation and communication network planning; highway and road construction and repair management; and urban land use inventories and development. Other areas include improvement and water district planning, public utility resource planning and management, residential housing stock inventory and distribution analysis, water quality and resource management and flood control, and crime analysis and prevention. A variety of other applications will also be stressed in the certificate program curriculum, although course projects will be designed to meet the individual needs of each participant.

A GIS certificate curriculum teaches participants how to become better decision-makers and how to collect, organize, and analyze data more efficiently and effectively. This training will result in participants being able to make more informed decisions. Also, GIS knowledge and newly acquired skills will permit the participants to display data in more creative and accurate ways.

[2.3] Admission Requirements

In addition to the general requirements for admission to graduate study at UCA, applicants to the Master of GIS degree must meet the following requirements for admission: (1) have achieved an undergraduate GPA of at least 3.00 on a scale of 4.00, (2) have earned a combined Verbal and Quantitative score of at least 290 on the GRE, and (3) have successfully completed at least one college-level GIS course or be currently employed in an agency/business where GIS is frequently used by the applicant.

[2.4] Certificate Requirements

The GIS certificate program requires completion of five courses: GEOG 5310 should be taken first, followed by or taken concurrently with GEOG 5315. The remaining three courses may be any of the following: GEOG 5340, GEOG 5345, GEOG 6320, GEOG 6328, GEOG 6330, GEOG 6333, GEOG 6370, GEOG 6380, or GEOG 6V60. Selection of courses should be made in consultation with the student's advisor. Each course is project-based with applications specific to the needs of each participant.

[3] Graduate Courses in Geography and GIS (GEOG)

Follow this link for GEOG course descriptions: course link.

Health Sciences

URL: http://uca.edu/gbulletin/fields-of-instruction/health-sciences/

[1] Objectives

The graduate program in health sciences leads to the Master of Science degree. The program is designed to prepare students as health education specialists in community health settings, colleges and universities, public schools, and health care facilities.

[2] Program Admission Requirements

Application to graduate study for the Master of Science degree in Health Sciences is selective. Consideration will be given to those students who meet university admission requirements for graduate school (GPA and GRE scores) and who hold an undergraduate degree in health education or a related field or have work experience in health. Applicants must have a minimum score of a 3.0 on the Writing section of the GRE to be considered for this program.

[3] Program Requirements

The student must complete all course work with a minimum of 3.00 cumulative grade point average. Courses with a grade below a C must be retaken. Students with a cumulative GPA of less than a 3.0 will be dismissed from the graduate program in Health Sciences. Additionally, students must pass the comprehensive exam or pass the Certified Health Education Specialist (CHES) exam in order to graduate.

[4] Degree Requirements

[4.1] Thesis Option (33 hours)

1. Health Sciences core requirements (18 hours): H SC 6379, EXSS 6316 or H SC 6330, H ED 6361, 6321, 6331, 5370. (For students without an undergraduate course in basic statistics, a basic statistics course may be assessed prior to admission to EXSS 6316 or H SC 6330. If the course is taken at the graduate level, the course may be used as an elective in the program. Students with an undergraduate course in basic statistics may take either EXSS 6316 or H SC 6330.)
2. Thesis research in Health Sciences (6 hours): H SC 6V80, 6V90.
3. Electives (9 hours) selected with the approval of the graduate advisor to include no more than 3 hours from an allied area. Courses may be selected from the following:

   H ED 5301 Health Education in the Medical Care Setting
   H ED 5302 Health Education in the Worksite
   H ED 5303 Environmental Health Problems
   H ED 5306 Health Literacy
   H ED 5310 Health Concerns of Aging
   H ED 5320 Health Promotion Interventions
   H ED 5343 Health Strategies for Multicultural Populations
   H ED 5350 Health Education in the Elementary Schools
   H ED 5351 Health Education Techniques in the Middle Schools

H ED 5352 Health Education in the Secondary Schools
H ED 5665 Field Experiences in Health Education
H ED 6310 Health Education Curriculum and Instruction
H ED 6311 Health Appraisal of School Children
H ED 6345 Drug Education and Prevention
H ED 6350 Contemporary Health Problems
H ED 6353 Issues and Research in Sexuality
H ED 6354 Issues and Research in Women's Health
H ED 6360 International Health
H ED 6371 Directed Independent Study
H SC 5305 Technology Applications in the Health Sciences
H SC 6335 Grant Writing

[4.2] Non-Thesis Option (36 hours)

1. Core Requirements (18 hours); same as for thesis option.
2. Electives (18 hours) selected with approval of graduate advisor to include a maximum of nine hours of electives outside the department to be chosen with approval of the graduate advisor. Courses may be selected from the following:

   H ED 5301 Health Education in the Medical Care Setting
   H ED 5302 Health Education in the Worksite
   H ED 5303 Environmental Health Problems
   H ED 5306 Health Literacy
   H ED 5310 Health Concerns of Aging
   H ED 5320 Health Promotion Interventions
   H ED 5343 Health Strategies for Multicultural Populations
   H ED 5350 Health Education in the Elementary Schools
   H ED 5351 Health Education Techniques in the Middle Schools
   H ED 5352 Health Education in the Secondary Schools
   H ED 5665 Field Experiences in Health Education
   H ED 6310 Health Education Curriculum and Instruction
   H ED 6311 Health Appraisal of School Children
   H ED 6345 Drug Education and Prevention
   H ED 6350 Contemporary Health Problems
   H ED 6353 Issues and Research in Sexuality
   H ED 6354 Issues and Research in Women's Health
   H ED 6360 International Health
   H ED 6371 Directed Independent Study
   H SC 5305 Technology Applications in the Health Sciences
   H SC 6335 Grant Writing

[5] Comprehensive Exams

All students must successfully complete written comprehensive examinations or present evidence of current CHES certification. The comprehensive exam will be given with the permission of the graduate coordinator or department chair after the student has completed the required core courses.

The student will advise the graduate coordinator of intent to take the examination by submitting a request via email.

[6] Graduate Course Links (H ED, H SC)

Follow this link for H ED course descriptions: course link.

Follow this link for H SC course descriptions: course link.

History

URL: http://uca.edu/gbulletin/fields-of-instruction/history/

[1] Objectives

The Master of Arts program in History seeks to broaden and deepen the student's master of the historical discipline. As such, it is suited to teachers desiring further study in the discipline, to students preparing for entrance into a doctoral program, and to those who, by reason of avocation or vocation, desire a more profound knowledge of history. The Master of Arts program prepares students for a wide variety of career options ranging from teaching and business to journalism and public service.

[2] Program Admission Requirements

Qualifications for regular admission to the Master of Arts program are the same as those for admission to the Graduate School, except that students entering the program must also have earned a minimum 3.00 GPA in 12 undergraduate hours in history (or a related discipline) and an acceptable score on the Graduate Record Examination (GRE). GRE scores and two letters of recommendation must be submitted in order for an application to be reviewed by the department. The department gives preference to applicants with at least 153 (500 in the scoring system used prior to 2011) on the verbal and 4.0 on the analytical writing portion of the GRE. Applicants must also submit a 2–3 page formal statement of purpose that explains why the applicant is pursuing a master's degree, identifies the applicant's particular historical interests (i.e., the historical problems or issues that most interest the applicant), and suggests why the applicant is interested in the History MA program at UCA. For conditional admission consult the graduate dean, department chair, or departmental graduate advisor.

[3] Program Plans

The student must fulfill one of the two following plans:

[3.1] Plan 1 (Non-Thesis)

Satisfactory completion of 30 hours of appropriate course work in history, including HIST 6300 and 6371, a major field of study (12 credit hours) and a minor general field of study (6 credit hours). At least 18 hours must be at the 6000 level.

[3.2] Plan 2 (Thesis)

Satisfactory completion of 30 hours of appropriate course work in history, including HIST 6300 and 6371, a major field of study (12 credit hours), a minor general field of study (6 credit hours), and a

thesis (6 credit hours). At least 18 hours must be at the 6000 level. A reading knowledge of at least one foreign language is required.

[3.3] General Fields of Study

The student must choose a major general field of study and a minor general field of study from the following fields: European, Non-Western, and United States.

The following sections list the courses in each general field of study. The subject prefix for all courses listed here is HIST.

[3.3.1] European

5302 History of Witchcraft
5334 Topics in European History
5347 Ideas and Society in Modern Europe
5360 The Mediterranean World in Late Antiquity, 300–900 AD
5361 The Mediterranean World in the Medieval Period, 900–1400 AD
5362 Tudor and Stuart England 1485–1690
5365 The History of Imperialism: A Review of World Colonial Systems
5369 Victorian Britain
5370 Europe, 1815–1914
5374 The European Renaissance and Reformation
5376 Europe, 1914–1939
5377 Europe in a Global Era
5385 French Revolution and Napoleon
5390 Roman Civilization (may also be used in the Non-Western program of study, in consultation with the instructor)
5391 Topics in History
5394 Germany Since 1918
5397 History of Ireland, 1500–Present
6304 Selected Topics in European History
6340 Contemporary Europe, 1945–Present
6341 Medieval History, 450–1450
6342 Early Modern Europe
6345 Modern Europe, 1870–1945
6370 Holocausts in History
6397 Independent Study in History

[3.3.2] Non-Western

5306 Atlantic Slave Trade
5328 Modern Latin America
5343 History of Mexico
5344 Topics in World History
5365 The History of Imperialism: A Review of World Colonial Systems
5381 Modern China
5383 Modern Japan
5386 The War in the Pacific, 1931–1945

5390 Roman Civilization (may also be used in the European program of study, in consultation with the instructor)
5391 Topics in History
5398 The Politics of Sex and Sexuality in Modern East Asia
6305 Selected Topics in Non-Western History
6350 African History
6370 Holocausts in History
6397 Independent Study in History
6399 Asian History

[3.3.3] United States

5301 Studies in Environmental History
5302 History of Witchcraft
5305 The United States and the Middle East, 1776–Present
5306 Atlantic Slave Trade
5308 Gender in American History
5311 American Colonial and Revolutionary History
5322 Early National History, 1783–1848
5324 Topics in American History
5327 The American West
5330 Civil War and Reconstruction, 1848–1877
5333 United States Immigration and Ethnic History from Colonial Times to the Present
5335 Diplomatic History of the United States
5336 Work, Wealth, and Power in United States History
5338 American History through Film
5340 The Emergence of Modern America, 1877–1920
5345 The South to 1865
5346 The South since 1865
5350 America in Depression and War, 1920–1960
5355 The Role of Arkansas in the Nation
5358 Recent American History
5359 History of the Civil Rights Movement
5386 The War in the Pacific, 1931–1945
5391 Topics in History
6303 Selected Topics in American History
6315 The Civil War Era
6323 Colonial and Revolutionary America, 1492–1789
6324 Nineteenth-Century America
6325 Twentieth-Century America
6397 Independent Study in History

[4] Graduate Courses in History (HIST)

Follow this link for HIST course descriptions: course link.

Instructional Technology

URL: http://uca.edu/gbulletin/fields-of-instruction/instructional-technology/

[1] Objectives

The Master of Science in Instructional Technology (ITEC) is designed to provide candidates with the knowledge and skills needed to become technology leaders and practitioners within their professional arenas (e.g., education, business, government, non-profit organizations). By its design, the program offers a broad view of the field of instructional technology (e.g., history, theory, technology, management) yet is flexible enough to allow candidates to select an area of concentration reflective of their vocational interests. These areas of concentration, which provide specialized training in three technologically distinctive fields, are (a) distance education, (b) media design and development, and (c) technical support of instructional technologies. Developing skills for leadership in and administration of these technological fields is the overarching goal of the ITEC program.

The ITEC program is designed around an overarching goal of assisting individuals in acquiring the skills for leadership in and administration of instructional technology. More specifically, graduates will possess skills and knowledge needed to effectively

1. provide professional expertise in the area of instructional technology,
2. administer vocationally-related technology programs,
3. integrate principles of various technologies for achieving organizational goals,
4. incorporate technology design principles to meet diverse organizational/population needs,
5. collaborate in problem-solving endeavors.

[2] Admission Requirements

Admission to the University of Central Arkansas' Graduate School will be a prerequisite for enrolling in courses. For full admission, candidates must have an undergraduate degree with a 2.7 GPA, and test scores (GRE or Praxis I) OR verification of a valid standard educator license. Conditional admission may be granted for one semester. Conditionally admitted students do not qualify for financial aid.

To be accepted into the degree program in instructional technology, an individual must:

1. Meet the general admission requirements of the university;
2. Provide the department with copies of transcripts of all previous academic work;
3. Provide Graduate Record Examination (GRE) general test scores to the Graduate School or Praxis I or verification of a valid standard educator license to the department.

Enrollment in regular courses, workshops, or special programs does not imply automatic admission to the degree program. No action will be taken relative to admission until all materials/information are received. Admission materials/information should be received by the department prior to registration for the second term of course work.

Submission of an application and its approval constitutes an agreement by the individual to accept any field/practicum assignments in locations where the objectives of practicum experiences can be

met. Failure to accept practicum assignments relieves the department and the university of responsibility relating to an individual's practicum experience or program of study.

A maximum of six semester hours of graduate degree credit with grades of "B" or above may be transferred from another UCA graduate program or another regionally accredited institution. Candidates must specifically request consideration of transfer work completed prior to admission to the program. After admission to the program, approval to transfer work from another institution must be approved prior to enrolling in the courses. No internship hours may be transferred.

[3] Research and Culminating Experience Policies

As a culminating experience in the graduate preparatory program, candidates must satisfactorily complete a program professional paper/project and successfully defend the paper/project (formal presentation). The program professional paper/project must demonstrate the candidate's ability to meet competencies as outlined by the program goals, the Association of Educational Communication and Technology (AECT). The program professional paper/project must reflect the candidate's ability to assimilate competencies demonstrating growth and the ability to collect, evaluate, and analyze data and information.

[4] Program Requirements

The Instructional Technology degree is comprised of 36 semester hours of graduate credit. The program consists of an 18 hour core (six 3-hour courses), 12 hours (four 3-hour courses) of advanced study in a selected area of concentration (i.e., distance education, media design and development, or technical support of instructional technologies), and 6 hours (two 3-hour courses) of electives allowing for further individualization of the candidate's program. ITEC candidates will complete either the Apprenticeship in Instructional Technologies course or the Seminar: Trends/Issues in Instructional Technologies course as the capstone practicum experience. In order to exit the program, the candidate will be required to successfully complete all coursework and create a professional product (e.g., a research study, a professional portfolio, an organizational specific technology plan) illustrating his or her technology skills in leadership and administration and reflecting the candidate's philosophy.

[4.1] Core Curriculum (18 Hours)

ITEC 6350 Instructional Design
ITEC 6360 Intellectual Property and Copyright
ITEC 6368 Technology Planning and Leadership
LEAD 6321 Research Methods

Choose one of the following leadership courses:

CSPA 6311 Leadership and Supervision
SLMA 6310 Foundations of School Leadership
SLMA 6312 School-Based Organizational Leadership

Choose one of the following (to be completed the last semester):

ITEC 6391 Apprenticeship in Instructional Technologies
ITEC 6392 Seminar: Trends/Issues in Instructional Technologies

[4.2] Areas of Concentration

The candidate selects one of the following areas.

[4.2.1] Distance Education (12 Hours)

Choose four of the following:

ITEC 6305 Foundations of Distance Education
ITEC 6315 Dist Ed Course Design, Delivery, Implementation, and Evaluation
ITEC 6325 Distance Education Technology
ITEC 6370 Leadership in Distance Education
ITEC 6330 Web-based Teaching and Learning

[4.2.2] Media Design and Development (12 Hours)

Choose four of the following:

ITEC 6340 Design and Production of Media Resources I
ITEC 6341 Design and Production of Media Resources II
ITEC 6354 Multimedia
ITEC 6337 Computer Graphics and Animation
ITEC 6351 Instructional Product Development

[4.2.3] Technical Support in Instructional Technologies (12 Hours)

Choose four of the following:

ITEC 6357 Diagnostic Techniques for Computer Maintenance and Repair
ITEC 6318 Microcomputer Networking
ITEC 6365 Networking Technologies
ITEC 6310 Special Projects
ITEC 6355 Instructional Software Design and Programming

[4.3] Electives (6 Hours)

Choose two of the following:

CSPA 6311 Leadership and Supervision
SLMA 6310 Foundations of School Leadership
SLMA 6312 School-Based Organizational Leadership
ITEC 5345 Fundamentals of Web Design
ITEC 6335 Computer Application Software
ITEC 6375 Global Information Resources
ITEC 6391 Apprenticeship in Instructional Technologies
ITEC 6392 Seminar: Trends/Issues in Instructional Technologies
ASTL 6303 Teacher Leadership (Spring Only)
ASTL 6310 Integrating Media and Technology into Teaching and Learning

Candidates may select electives from any of the Areas of Concentration in the MS in Instructional Technology program: ITEC 6305, ITEC 6315, ITEC 6325, ITEC 6370, ITEC 6330, ITEC 6340,

ITEC 6341, ITEC 6354, ITEC 6337, ITEC 6351, ITEC 6357, ITEC 6318, ITEC 6310, ITEC 6355, and ITEC 6365.

Candidates may select courses from the MS in Library Media and Information Technology program: LIBM 6V91, LIBM 6320, LIBM 6330, LIBM 6332, LIBM 6353, LIBM 6370, LIBM 6371, and LIBM 6380.

[4.4] Retention Requirements

To be recommended for a degree, candidates must meet the following requirements:

1. Complete all required course work with at least a 3.00 GPA;
2. Complete satisfactorily all student assessments required as part of the state and AECT accreditation process;
3. Complete satisfactorily the program required professional paper/project.

[4.5] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer I or II, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[5] Graduate Certificates

[5.1] Instructional Technology – Distance Education

→ Gainful Employment Information – Graduate Certificate in Instructional Technology: Distance Education: 2015-16 | 2014-15

[5.1.1] Core Curriculum (3 hours)

ITEC 6375 Global Information Resources

Courses may be substituted with consent of the program coordinator.

[5.1.2] Distance Education (12 hours)

Choose four of the following:

ITEC 6305 Foundations of Distance Education
ITEC 6315 Distance Education Course Design, Delivery, Implementation, and Evaluation
ITEC 6325 Distance Education Technology
ITEC 6370 Leadership in Distance Education
ITEC 6330 Web-based Teaching and Learning

[5.2] Instructional Technology – Media Design and Development

→ Gainful Employment Information – Graduate Certificate in Instructional Technology: Media Design and Development: 2015-16 | 2014-15

[5.2.1] Core Curriculum (3 Hours)

ITEC 6335 Computer Application Software

Courses may be substituted with consent of the program coordinator.

[5.2.2] Media Design and Development (12 Hours)

Choose four of the following:

ITEC 6340 Design and Production of Media Resources I
ITEC 6341 Design and Production of Media Resources II
ITEC 6354 Multimedia
ITEC 6337 Computer Graphics and Animation
ITEC 5345 Fundamentals of Web Design

[5.3] Instructional Technology – Technical Support

→ Gainful Employment Information – Graduate Certificate in Instructional Technology: Technical Support: 2015-16 | 2014-15

[5.3.1] Core Curriculum (3 Hours)

ITEC 6375 Global Information Resources

Courses may be substituted with consent of the program coordinator.

[5.3.2] Technical Support (12 Hours)

Choose four of the following:

ITEC 6357 Diagnostic Techniques for Computer Maintenance and Repair
ITEC 6318 Microcomputer Networking
ITEC 6365 Networking Technologies
ITEC 6310 Special Projects
ITEC 6355 Instructional Software Design and Programming

[6] Graduate Course Links

[6.1] Courses in Instructional Technology (ITEC)

Follow this link for ITEC course descriptions: course link.

[6.2] Courses in Other Areas (ASTL, CSPA, LEAD, LIBM, SLMA)

Follow this link for ASTL course descriptions: course link.

Follow this link for CSPA course descriptions: course link.

Follow this link for LEAD course descriptions: course link.

Follow this link for LIBM course descriptions: course link.

Follow this link for SLMA course descriptions: course link.

Leadership Studies

URL: http://uca.edu/gbulletin/fields-of-instruction/leadership-studies/

[1] Vision

The University of Central Arkansas Interdisciplinary PhD in Leadership (LEAD) program prepares scholar leaders to research and act for the common good. Recognizing that complex challenges require an integration of responsible leaders from various community sectors, program graduates will transform education and government/nonprofit organizations to strengthen human and community capabilities.

[2] Mission

The LEAD enlists the Human Development Index (HDI) and other indicators of limited living conditions to gauge vitality and need in the state and region. With knowledge of networking, decision-making, and research, graduates advance community and human development by targeting educational attainment, community vitality, public health, cultural/fine arts, environmental sustainability, and other developmental factors.

[3] Objectives

The Interdisciplinary PhD Leadership program is designed to provide an interdisciplinary intensive preparation for evolving educational and community leaders who have a willingness to address community problems. The program will examine considerations such as

- Leadership for civic service and the collective good;
- Different beliefs in and responses to this freedom and the resulting developmental limitations and inequities within communities;
- Research as a tool to understand and address human and community capabilities and development;
- The evolution of leadership as an integrative effort across various public arenas;
- Leadership action that requires data, networking, and ethical decision-making.

Upon completing the program, the PhD Leadership graduate should be able to

- Articulate the complexities associated with leadership, the conditions under which leadership occurs, and the approaches to examination of leadership ranging from traditional to more contemporary theories;
- Analyze concepts, theories, and models required by leaders in the 21st century global environment to advance organizational success and foster organizational growth;
- Recognize and assess community and human capabilities and development;
- Conduct scholarly research that contributes to the body of leadership knowledge;
- Address community and human development through research and action development;

- Adhere to ethical standards in the scholarship and practice of leadership that foster collaboration, higher levels of organizational performance, and mentorship.

[4] Admission Requirements: Admission is limited and competitive

To be considered for admission, applicants must:

- Submit all documents required by the UCA Graduate School including official copies of all undergraduate and graduate transcripts and competitive GRE scores that have been taken within the last five years;
- Have completed a master's degree with a minimum GPA of 3.00;
- Submit a competed application to the Interdisciplinary PhD Leadership program that includes (a) a current vita or resume, (b) a type-written statement of intent, and (c) three letters of recommendations that describe the student's suitability for the program.

[5] Program of Study

The Interdisciplinary PhD in Leadership curriculum comprises 60 semester hours of graduate credit built upon appropriate master's degree. These 60 hours, which can be completed as a full-time or part-time student, are distributed into the following curricular areas, each with a distinct purpose:

1. **Leadership Core** (18 hours):
   LEAD 6302 Leadership Communication in Organizations
   LEAD 7303 Leadership and Complex Organizations
   LEAD 7304 Leadership and Ethics
   LEAD 8305 Foundations of Leadership Theory
   LEAD 8V08 Major Area Research
   LEAD 8334 Leadership and Change
2. **Research Core** (15 hours):
   PSYC 6330 Advanced Psychological Statistics
   PSYC 6331 Research Design
   LEAD 8302 Advanced Qualitative Research
   LEAD 8V09 Seminar in Leadership Inquiry
   PSYC 7320 Regression and Multivariate Analysis **or** LEAD 8332 Leadership in the Global Society **or** LEAD 8V36 Contemporary Issues in Leadership **or** LEAD 8V38 Independent Readings and Research in Leadership
3. **Cognate** (15 hours): approval of the Committee Chair and Department Chair required
4. **Dissertation** (minimum 12 hours): LEAD 9V10 Dissertation in Leadership Studies

[6] Graduate Course Links

Follow this link for LEAD course descriptions: course link.

Follow this link for PSYC course descriptions: course link.

Library Media and Information Technologies

URL: http://uca.edu/gbulletin/fields-of-instruction/library-media-and-information-technologies/

[1] Objectives

The goal of the graduate program in library media and information technologies is to prepare individuals for professional positions in a variety of information and educational settings. The Library Media and Information Technologies program, located within the Department of Leadership Studies, is designed for individuals who may be (1) planning careers in school library media centers at the elementary, middle, and secondary district levels and at regional educational cooperatives and (2) planning careers as children and youth librarians in public, college, and special information centers.

To achieve this goal, the program seeks to create an environment in which students

1. Acquire attitudes, knowledge, and skills necessary to practice their chosen profession;
2. Become cognizant of the human relation attitudes, knowledge, and skills required to develop, operate, and access information and instructional systems effectively;
3. Develop professional competencies to higher levels of proficiency and in new areas of interest;
4. Are encouraged to pursue life-long learning through information and instruction-related professional organizations; and
5. Recognize the need to continuously evaluate and implement information and instruction-related programs in response to social, economic, and technological changes.

Objectives established for this program reflect specific outcome expectations of those students who complete the Master of Science degree in Library Media and Information Technologies. At an acceptable professional level, graduates should be able to

1. Articulate a philosophy of library media services which reflects an integration of principles of library science, educational media, and instructional design;
2. Design, implement, and market for specified client populations programs of services which further the objectives of the organization by integrating them into the total programming of the institution;
3. Apply principles of management, including planning, to the operation of the library;
4. Select and build a quality collection of resources and equipment that meets the educational objectives of the organization, promotes intellectual freedom, and meets clients' needs and purposes;
5. Organize and maintain collections of resources and equipment for efficient use reflecting the application of the latest uses of technologies;
6. Provide instructional opportunities, including bibliographic instruction, for various client populations as appropriate;
7. Use information technologies and networks to acquire and share information and for reference and referral services;
8. Analyze research data and use this information to assess and solve library and/or information related problems;

9. Work with other professionals to address instructional and curricular problems, including those involved in establishing activities that enable the patron to increasingly assume responsibilities for planning, understanding, and assessing their own learning, to implement student learning activities reflecting different learning styles, and to ensure a variety of learning environments;
10. Incorporate into programming the resource and service needs of all users (e.g., the culturally diverse, the exceptional populations, the disabled); and
11. Recognize the importance of practicing effective leadership and interpersonal relationships within the educational, local, and professional communities.

[2] Program Admission Requirements

To be accepted into the degree program in library media and information technologies, an individual must

1. Meet the general admission requirements of the Graduate School;
2. Provide the Leadership Studies Department with copies of transcripts of all previous academic work;
3. Submit Graduate Record Examination (GRE) general test scores to the Graduate School OR, Praxis I scores or valid standard educator license to the Leadership Studies Department;
4. Provide copies of teaching licensure to the Leadership Studies Department (if applying for licensure in School Library Media).

Enrollment in regular courses, workshops, or special programs does not imply automatic admission to the degree program. No action will be taken relative to admission until all materials/information are received. Admission materials/information should be received by the department prior to registration for the second term of course work.

Submission of an application and its approval constitutes an agreement by the individual to accept any practicum assignments in locations where the objectives of practicum experiences can be met. Failure to accept practicum assignments relieves the department and the university of responsibility relating to the individual's practicum experience or program of study.

A maximum of six semester hours of graduate degree credit with grades of "B" or above may be transferred from another UCA graduate program or another regionally accredited institution. Candidates must specifically request consideration of transfer work completed prior to admission to the program. After admission to the program, approval to transfer work from another institution must be approved prior to enrolling in the courses. No internship hours may be transferred.

[3] Research and Culminating Experience Policies

As a culminating experience in the graduate preparatory programs, candidates must satisfactorily complete a program portfolio and present satisfactory scores on the appropriate PRAXIS II examination (for teaching licensure in School Library Media) or on the written comprehensive examination. The program portfolio must demonstrate the candidate's ability to meet competencies as outlined by the program goals, the American Library Association (ALA), and the American Association of School Librarians (AASL). The program portfolio must reflect the candidate's ability to assimilate competencies demonstrating growth and the ability to collect, evaluate, and analyze data and information. The PRAXIS II examination should be taken the semester prior to the semester

in which the candidate plans to graduate. The comprehensive written examination will be scheduled during the candidate's last semester of work.

The Arkansas Department of Education requires a passing score on the appropriate Praxis exam for P&12 licensure. Candidates will not be recommended for licensure unless a passing score is obtained. Programs in the College of Education require satisfactory completion of all key assessments identified by the program area. Candidates cannot complete their program unless these criteria have been met.

[4] Program Requirements

Candidates pursuing the Master of Science degree in Library Media and Information Technologies must complete thirty six semester hours of coursework.

[4.1] Library Media and Information Technologies Program

This program has been accredited by ALA/AASL and CAEP. The following courses are required of all students pursuing a degree program Library Media and Information Technologies.

[4.1.1] Core Courses (24 Hours)

LEAD 6321 Research Methods
LIBM 6380 Administration of Information Programs
LIBM 6320 Introduction to Library & Information Sciences
LIBM 6360 Collection Development
LIBM 6332 Cataloging and Classification I
LIBM 6370 Issues and Trends in Children's, Juvenile, and Young Adult Literature
LIBM 6371 Developing Informational Programs for Children and Youth
LIBM 6330 Reference Services

[4.1.2] Technology Courses (6 Hours)

ITEC 6368 Technology Planning and Leadership
ITEC 6340 Design and Production of Media Resources I

[4.1.3] School Library Media Specialization Courses (6 Hours)

LIBM 6353 Teaching and Learning in the School Library Media Center
LIBM 6390 Practicum

[4.1.4] Arkansas Teaching Licensure Information

A teaching license is required as a prerequisite to recommendation for Arkansas licensure as a school library media specialist. Candidates wishing to expand their Arkansas licensure to P–12 Library Media Specialist are required to split their practicum hours (60 clock hours at the elementary level and 60 clock hours at the secondary level).

[4.2] Retention Requirements

To be recommended for a degree, candidates must meet the following requirements:

1. Complete all required course work with at least a 3.00 GPA;

2. Complete satisfactorily all student assessments required as part of the state and CAEP (formerly NCATE) accreditation process;
3. Complete satisfactorily the program required exit portfolio;
4. Present score report on the state mandated external national examination and meet at least the minimum score set by the state for licensure or present a passing score on the comprehensive final exam administered by the program; and
5. Present other documentation that is required by the state in order for the department to recommend you for the appropriate license.

[4.3] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer I or II, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[5] Graduate Course Links

Follow this link for ITEC course descriptions: course link.

Follow this link for LEAD course descriptions: course link.

Follow this link for LIBM course descriptions: course link.

Master of Arts in Teaching

URL: http://uca.edu/gbulletin/fields-of-instruction/master-of-arts-in-teaching/

For the MAT in Special Education, see the Special Education page.

[1] Objectives

The College of Education offers a Master of Arts in Teaching (MAT) degree program created especially for individuals without teaching credentials who have earned baccalaureate degrees in specific content areas and want to become teachers in an expeditious fashion. The MAT is a 39-hour graduate degree program with three tracks: Elementary, Middle, and Secondary Education. Tailored to accommodate most working students' schedules, this program involves a 33-hour core plus 6 hours of required courses within the selected track that can be completed in five semesters, including fall, spring, and summer sessions. Graduate School policy requires that students complete their program of study within six years.

[2] Admission, Retention, and Exit Requirements

The Master of Arts in Teaching (MAT) program evaluates candidates in the MAT program at the following points in their programs of study: (1) admission, (2) application for internship, and (3) graduation. Candidates are reviewed for their academic and dispositional performance in the program. Academic requirements include grade point average and reporting of successful test scores

(GRE, Praxis). Dispositional performance is evaluated using the disposition rubric designed by MAT faculty and implemented program-wide.

Candidates not meeting the required academic performance criteria (including minimum GPA and test scores) and/or not demonstrating appropriate dispositions will be counseled by a faculty committee to be comprised of the program coordinator, the candidate's advisor, and faculty who have interacted with the candidate in class settings. Decisions regarding professional and ethical conduct will be guided by the professional and ethical conduct policy adopted by the professional education unit licensure programs and College of Education degree and licensure programs. These candidates may be required to complete professional growth plans. Failure to meet the guidelines of the professional growth plan may be cause for dismissal from the MAT program.

[2.1] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer I or II, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[3] Guidelines for MAT

In addition to the general application and GPA requirements of the UCA Graduate School, applicants must complete a separate MAT application and supply evidence of the following requirements. Specific instructions can be found on the MAT application.

- Hold an earned bachelor's degree from a regionally accredited college or university with a minimum cumulative GPA of 2.70 in all coursework, whether undergraduate or graduate. (Official transcripts for undergraduate and graduate coursework must be submitted from all institutions attended.)
- Complete UCA's graduate school application, pay the application fee, and qualify for graduate admission.
- Complete the MAT application.
- Earn passing minimum Praxis Core scores or established cut scores on the GRE.
- Earn minimum state scores on the Praxis II content area examination (prior to applying for internship or the provisional license, whichever comes earlier in the student's program of study).
- Submit two professional references.
- Undergo a satisfactory Criminal Background Check (if teaching while completing initial licensure).
- Complete the ADE Non-Traditional Licensure application (if teaching while completing initial licensure).

[4] Programs of Study

[4.1] MAT Core Courses (33 credit hours)

MAT 5310 Analysis and Practice of Teaching
MAT 5320 Theory and Practice of Classroom Management
MAT 6310 Pedagogy for Diverse Student Populations
ASTL 6380 Research Methods
MAT 6311 Classroom Assessment
MAT 6312 Principles of Child and Adolescent Development and Learning
MAT 6314 Diagnosis and Correction of Reading Difficulties
MAT 6320 Literacy Seminar for Teachers
MAT 5390 Practicum MAT
MAT 6699 Internship MAT

All candidates regardless of licensure level will complete the core courses. Candidates will then select Elementary (K–6) Track, the Middle-Level (4–8) Track, or the Secondary-Level (K–12, 4–12, or 7–12) Track and complete requirements for the selected track as indicated below.

[4.2] Elementary Level (2 courses – 6 hours)

This track is available for admission/enrollment in Summer 2017.

MAT 6374 Integrated Curriculum in Elementary Education
MAT 6338 Advanced Strategies in Elementary Education

[4.3] Middle Level (2 courses – 6 credit hours)

MAT 5303 Middle School Psychology, Philosophy, & Organization
MAT 6302 Models of Teaching

[4.4] Secondary Level K–12, 4–12, or 7–12 (2 courses – 6 credit hours)

MAT 6302 Models of Teaching
MAT Content Methods Course from academic department as approved by advisor **or**
MAT 5303 The Middle School Psychology, Philosophy, and Organization

[5] Graduate Course Links (MAT, ASTL)

Follow this link for MAT course descriptions: course link.

Follow this link for ASTL course descriptions: course link.

Master of Business Administration

URL: http://uca.edu/gbulletin/fields-of-instruction/business-administration/

[1] Objectives

The MBA program is designed to meet the needs of students preparing for positions in upper management in business and related organizations. The program offers students advanced study in the various functional areas of business, emphasizing teaming, communication, problem solving,

research, computer technology, case studies, and project-based instruction. The program is flexible in allowing students to select an area of concentration reflective of their interest. Areas of concentration include Finance, Health Care Administration (HCA), Information Management, and International Business.

[2] Admission Requirements

In addition to the Graduate School admission requirements, the Master of Business Administration requires the following:

- Score of at least 500 on the GMAT (Graduate Management Admission Test) **or** the equivalent GRE (Graduate Record Examination) score **or** a minimum score of 110 on the aptitude portion of the Chinese National Postgraduate Entrance Examination (NPEE) for Management and Economics majors.
- Bachelor's degree from an accredited institution.
- Undergraduate cumulative GPA of at least 2.70, or 3.00 in last 60 credit hours.
- A written Statement of Purpose of 750 words or less describing reasons why the prospective student wishes to pursue the MBA degree.
- Two (2) letters of recommendation.
- A current professional résumé.
- International students must complete the TOEFL exam with a minimum score of 550 on paper version (PBT), 213 on the computerized version (LBT), 79 on the iBT, or 6.5 on the IELTS. Not required for graduates of U.S. institutions.

Note: Students who do not meet the minimum GMAT of 500 or the equivalent GRE score or the minimum NPEE score, or minimum GPA requirements may be admitted on a conditional basis. Conditional admission will depend on undergraduate performance, GMAT/GRE score, other relevant measures of scholastic performance, a record of successful employment at increasing levels of responsibility, and recommendations. Conditionally admitted students must obtain a 3.00 GPA in the first nine (9) hours of coursework towards the degree. After this point, the conditional status will be removed.

Note also: Applicants to the MBA program are generally required to supply GMAT or GRE scores as part of their application process. The following persons, however, may be exempt from taking the GMAT or GRE [updated effective Spring 2018]:

1. Applicants who hold a terminal degree (e.g., PhD, MD, JD, DDS, EdD) from an accredited***** program or institution (including UCA).
2. Applicants who hold a master's degree from an accredited***** program or institution (including UCA).
3. Applicants who hold a bachelor's degree in business from an accredited***** program or institution (including UCA) with an overall GPA of 3.25 or higher.
4. Applicants who hold a bachelor's degree outside of business from an accredited***** program or institution with an undergraduate cumulative GPA of 3.25 or higher and coursework which covered the following: management information systems; accounting principles; microeconomics; macroeconomics; statistics; finance; management; human resource management; and operations management.

5. Applicants who have completed and passed all parts of the CPA exam (must submit official copy of license from any state or, if not licensed, proof of successful completion of all four parts of the exam).

***** "Accredited" may refer to business programs accredited by AACSB or EQUIS or institutions accredited by a regional accreditor recognized by the U.S. Department of Education (or other appropriate accrediting agency as determined by the UCA Graduate School and the UCA MBA Program Coordinator).

To request an exemption, complete and submit the exemption request to the MBA Director at the time of application to the Graduate School.

Applicants for admission to the MBA program must submit a completed application packet that includes: a completed application form, official transcripts from all undergraduate and graduate schools attended, official GMAT, GRE, or NPEE scores, statement of purpose, résumé, and two letters of recommendation, to the Graduate School by the following dates:

Fall Semester: August 1
Spring Semester: December 1
Summer Semester: May 1

[3] Degree Requirements (MBA)

To receive the MBA degree, the student must complete the following 21-hour MBA core courses plus 9 hours of electives with a GPA of 3.00 or higher. Students with a non-business undergraduate degree are required to take prerequisite courses prior to enrollment in the MBA core courses. Some or all of the MBA prerequisite courses may be waived by the MBA director.

MBA Prerequisite courses (12 credit hours)

ACCT 2310 Principles of Accounting I **[ACTS: ACCT2003]**
ECON 2321 Microeconomics **[ACTS: ECON2203]**
FINA 3330 Managerial Finance
QMTH 2330 Business Statistics **[ACTS: BUSI2103]**

MBA core courses (21 credit hours)

MBA 6301 Information Technology for Managers (formerly Decision Modeling in Information Systems)
MBA 6302 Accounting for Management Decisions
MBA 6305 Financial Decision Making
MBA 6308 Marketing Strategy
MBA 6320 Strategic Management
MBA 6325 Organizational Behavior
MBA 6330 Operations Management

MBA elective courses (9 credit hours)

MBA 5331 Bank Management
MBA 5332 Investments
MBA 5333 International Finance
MBA 5334 Financial Derivatives

MBA 5341 Quantitative Analytical Methods
MBA 5345 Governance of the Sustainable Organization
MBA 5355 Project Management
MBA 5361 Principles of Information Security
MBA 5376 Entrepreneurial and Small Business Finance
MBA 5380 Business Intelligence
MBA 6303 Managerial Economics
MBA 6306 Legal Environment of Business for Managers
MBA 6307 Entrepreneurship: The Act of Wealth Creation
MBA 6349 Management of Small and Family-Owned Businesses
MBA 6382 Internship
MBA 6390 Special Problems
INSU 5324 Fundamentals of Risk and Insurance
ACCT 6309 Tax Research and Planning
ACCT 6310 Seminar in Accounting Theory
ACCT 6317 Seminar in Auditing
ACCT 6319 Corporations & Shareholder Taxation
ACCT 6320 Seminar in Accounting Information Systems
ACCT 6329 Partnership & S-Corporation Taxation
ACCT 6339 Estate & Gift Taxation
ACCT 6340 Seminar in Case Studies in Accounting
ACCT 6350 Seminar in Accounting Leadership

Undergraduate accounting majors may choose to substitute approved classes from the Master of Accountancy program for MBA 6302.

[4] Areas of Concentration

[4.1] Finance

Students that plan to receive an MBA degree with a concentration in Finance must complete the following 30-hour program with a GPA of 3.0 or higher:

MBA core courses (21 credit hours)

MBA 6301 Information Technology for Managers (formerly Decision Modeling in Information Systems)
MBA 6302 Accounting for Management Decisions
MBA 6305 Financial Decision Making
MBA 6308 Marketing Strategy
MBA 6320 Strategic Management
MBA 6325 Organizational Behavior
MBA 6330 Operations Management

MBA electives (9 credit hours) from the following classes:

MBA 5331 Bank Management
MBA 5332 Investments
MBA 5333 International Finance

MBA 5334 Financial Derivatives
MBA 5376 Entrepreneurial and Small Business Finance

[4.2] Health Care Administration

Students that plan to receive an MBA degree with a concentration in Health Care Administration (HCA) must complete the following 30-hour program with a GPA of 3.0 or higher:

MBA (HCA) core courses (24 credit hours)

MBA 6301 Information Technology for Managers (formerly Decision Modeling in Information Systems)
MBA 6302 Accounting For Management Decisions
MBA 6305 Financial Decision Making
MBA 6308 Marketing Strategy
MBA 6320 Strategic Management
MBA 6325 Organizational Behavior
MBA 6330 Operations Management
H ED 5370 Administration of Health Programs

Electives (6 credit hours) from the following classes:

FACS 5321 Nutritional Services Administration
H ED 5303 Environmental Health Problems
H ED 5320 Health Promotion Interventions
H ED 5343 Health Strategies for Multicultural Populations
H ED 6350 Contemporary Health Problems
H SC 6379 Research in Health Sciences

[4.3] Information Management

A candidate for the MBA with a concentration in Information Management will complete seven core MBA courses (21 hours) and three electives (9 hours) in the concentration.

MBA Core Courses (21 hours required)

MBA 6301 Information Technology for Managers (formerly Decision Modeling in Information Systems)
MBA 6302 Accounting For Management Decisions
MBA 6305 Financial Decision Making
MBA 6308 Marketing Strategy
MBA 6320 Strategic Management
MBA 6325 Organizational Behavior
MBA 6330 Operations Management

Electives (9 hours required)

MBA 5341 Quantitative Analytical Methods
MBA 5355 Project Management
MBA 5361 Principles of Information Security
MBA 5380 Business Intelligence

[4.4] International Business

Students that plan to receive an MBA degree with a concentration in International Business must complete the 30-hour MBA courses and six hours of additional requirements with a GPA of 3.0 or higher. The additional requirements include six hours of elective credit at the graduate level in international business, international culture, or undergraduate foreign language, or complete an internship with a business. Electives must be approved by MBA Director and be taken abroad.

[5] Graduate Course Links

[5.1] Courses in Business Administration (MBA)

Follow this link for MBA course descriptions: course link.

[5.2] Courses in Other Areas (ACCT, FACS, H ED, H SC, INSU)

Follow this link for ACCT course descriptions: course link.

Follow this link for FACS course descriptions: course link.

Follow this link for H ED course descriptions: course link.

Follow this link for H SC course descriptions: course link.

Follow this link for INSU course descriptions: course link.

Mathematics – Applied Mathematics

URL: http://uca.edu/gbulletin/fields-of-instruction/mathematics-applied-mathematics/

[1] Introduction

The Master of Science (MS) program in applied mathematics features mathematics courses developed to prepare candidates for working in business or government agencies, or pursuing further graduate studies. By applying techniques taught in these courses to business, engineering, planning and other areas, significant problems can be studied using analytic, statistical, and numerical methods. To graduate, candidates must pass two comprehensive exams in their last semester. For those candidates considering more advanced graduate studies, a thesis option is available in lieu of comprehensive exams to expose candidates to research methods in applied mathematics.

[2] Program Admission Requirements

To be admitted to the MS degree program in applied mathematics one must have

1. A baccalaureate degree from an accredited institution;
2. Adequate preparation in mathematics;
3. At least a 2.70 GPA; and
4. Achieve satisfactory scores on the General Test of the Graduate Record Exam.

[3] Degree Requirements

All MS Graduate Students: Courses must include a minimum of 18 hours at the 6000-level and these Core Courses:

MATH 6342 Mathematical Modeling
MATH 6345 Advanced Ordinary Differential Equations
MATH 6348 Numerical Analysis

The remaining hours may include other courses at the 5000-level with the approval of student's advisory committee. A candidate can choose one of the two options: Thesis option or Non-Thesis option. The candidate will select the option when the Petition for Candidacy is submitted. A candidate can change his or her option, but will be allowed no more than one change of option.

Thesis option: For the thesis option, a candidate must earn 30 hours. The thesis option requires a minimum of 24 hours of course work and a minimum of 6 thesis hours. The candidate will select a thesis advisor at the time the Petition for Candidacy is submitted. If a candidate who has selected the thesis option wishes to change to the non-thesis option, no credit will be granted for thesis courses.

Non-Thesis option: For the non-thesis option, a candidate must earn 33 hours. All non-thesis option candidates for the MS degree are required to pass two comprehensive examinations in courses selected from their program of study. A non-thesis option candidate will be allowed at most two attempts at passing the comprehensive examination. If unsuccessful on the first attempt, the candidate will have to wait four months before taking it again.

[4] Financial Aid

Graduate Teaching Assistantships are available for fall/spring. Each assistantship includes a full-tuition scholarship for nine credit hours per semester during the academic year. In addition, there is a stipend of $9,000 for nine months. Graduate Assistants are expected to enroll in nine credit hours and work 20 hours per week in the department. . Applications for the graduate program and assistantships are available at the UCA's Graduate School website: http://uca.edu/graduateschool/.

[5] Graduate Courses in Mathematics (MATH)

Follow this link for MATH course descriptions: course link.

Mathematics – Mathematics Education

URL: http://uca.edu/gbulletin/fields-of-instruction/mathematics-education/

[1] Introduction

The Master of Arts (MA) in mathematics education features mathematics courses developed to increase the mathematical content knowledge of secondary teachers and prepare candidates for teaching in the community college or pursuing further graduate studies. The program is designed so that a teacher can complete the required courses by attending two consecutive summers and enrolling in evening courses during the intermittent fall and spring semesters or by attending full-time for a year including both summer terms. For those candidates considering more advanced graduate studies, a thesis option is also available to expose candidates to research methods in mathematics education.

[2] Program Admission Requirements

To be admitted to the MA degree program in mathematics education one must have

1. A baccalaureate degree from an accredited institution;
2. Adequate preparation in mathematics;
3. At least a 2.70 GPA; and
4. Achieve satisfactory scores on the General Test of the Graduate Record Exam.

[3] Degree Requirements

All MA Graduate Students: To obtain the MA degree in mathematics education, a candidate must earn 30 graduate hours in mathematics within six years. Electives must be approved by a candidate's graduate advisor.

Thesis Option: For the thesis option, a candidate must take at least six thesis hours for research. At the end of the thesis hours, a candidate must produce a written thesis and present results.

Non-Thesis Option: For the non-thesis option, the six additional elective hours may be selected from graduate courses in mathematics and may include courses at the 5000 level with the approval of the candidate's advisor. All non-thesis option candidates for the MA degree will be required to pass three comprehensive examinations in courses selected from their program of study.

Required courses for all MA graduate students:

MATH 6305 Foundations of Mathematics
MATH 6307 Advanced Topics for Mathematics Educators
MATH 6310 Algebraic Structures
MATH 6350 Modern Geometry
MATH 6370 Differential Calculus
MATH 6375 Integral Calculus

Required courses for all MA graduate students if not successfully completed as an undergraduate:

MATH 5371 Introduction to Probability
MATH 5372 Introduction to Statistical Inference

Required courses for the thesis option:

MATH 6V96 Thesis (variable credit; 6 hours required)

[4] Financial Aid

Graduate Teaching Assistantships are available for fall/spring. Each assistantship includes a full-tuition scholarship for nine credit hours per semester during the academic year. In addition, there is a stipend of $9,000 for nine months. Graduate Assistants are expected to enroll in nine credit hours and work 20 hours per week in the department. Applications for the graduate program and assistantships are available at the UCA's Graduate School website: http://uca.edu/graduateschool/.

[5] Graduate Courses in Mathematics (MATH)

Follow this link for MATH course descriptions: course link.

Music

URL: http://uca.edu/gbulletin/fields-of-instruction/music/

[1] Objectives

Graduate work in music is designed to provide advanced professional training. The Music Education concentration in the Master of Music degree program provides advanced study of music teaching in elementary and secondary schools and professional preparation for those who already possess initial certification. Other Master of Music concentrations provide specialized study in performance, conducting, and music theory.

[2] Program Admission Requirements

[These admission requirements have been updated to remove the required GRE, effective beginning January 2018.]

To gain admission to the graduate program in music, prospective students must meet all requirements set forth by the UCA Graduate School, with the exception of the GRE, which is not required. In addition to Graduate School requirements, prospective students must complete the following Department of Music requirements:

For performance and conducting areas: An audition with area faculty. Performance in the area of specialization is to reflect the basic proficiency of a college undergraduate.

For vocal performance: Diction and comprehension examinations in French, German, and Italian will be given before or during the first semester, with deficiencies to be cleared before graduation. A score of 70% or higher will be considered satisfactory and no formal review will be necessary; a student who earns a score below 70% will need to take and pass a one-hour review course in the tested language. Possible review courses include MUS 5101 (French Diction Review), MUS 5102 (German Diction Review), and MUS 5103 (Italian Diction Review). MUS 5101, 5102, and 5103 do NOT count toward a graduate degree and may add to a student's overall course load. These classes DO count toward the requirement to carry 9 hours of graduate credit per semester.

For choral conducting: A video-recorded performance of the applicant's ensemble. Diction and comprehension exams in French, German, Italian, and Latin, will be given before or during the first semester, with deficiencies to be cleared before graduation. A score of 70% or higher will be considered satisfactory and no formal review will be necessary; a student who earns a score below 70% will need to take and pass a one-hour review course in the tested language. Possible review courses include MUS 5101 (French Diction Review), MUS 5102 (German Diction Review), MUS 5103 (Italian Diction Review), and MUS 5104 (Latin Diction Review). MUS 5101, 5102, 5103, and 5104 do NOT count toward a graduate degree and may add to a student's overall course load. These classes DO count toward the requirement to carry 9 hours of graduate credit per semester.

For music theory: A score of at least 75% on the University of Central Arkansas Department of Music Theory Diagnostic Exam, to be given before acceptance into the program; and a writing sample (undergraduate paper and/or directed essay) submitted to the Music Theory faculty.

[3] Master of Music (MM)

[3.1] Core Degree Requirements – All Concentrations

1. **Diagnostic examinations** are given the week before the semester begins in music theory, music history and literature, and aural skills. The primary purpose of diagnostic exams is to determine whether remediation is needed and to provide recommendations to students regarding course work.

A score of less than 70% on the theory exam requires that the student take MUS 5316 MUSIC THEORY REVIEW AND ANALYSIS before taking advanced seminars in music theory at the 6300 level. A score of less than 70% on the music history and literature exam requires that the student take MUS 5317 MUSIC HISTORY REVIEW before taking advanced seminars in music history at the 6300 level. A score of less than 70% on the aural skills test requires that the student retake and pass the aural skills test before graduation (self-study or MUS 5208 EAR TRAINING AND SIGHT SINGING FOR GRADUATE STUDENTS).

MUS 5316, 5317, and 5208 do NOT count toward a graduate degree and may add to a student's overall course load. These classes DO count toward the requirement to carry 9 hours of graduate credit per semester.

2. Completion of **piano proficiency exam** during the first semester of study for all areas. A score of less than 70% on the piano proficiency exam requires that the student retake and pass the piano proficiency exam before graduation.

3. Satisfactory completion of an **oral comprehensive examination** in music.

4. **6000-level course requirement**: For the concentration in Music Education, at least 50% of all music credit hours must be at the 6000 level; for all other concentrations, at least 67% of all music credit hours must be at the 6000 level.

[3.2] Concentration: Music Education (32 hours minimum)

[3.2.1] Required courses

MUS 6303 History and Philosophy of Music Education
MUS 6304 Contemporary Issues in Music Education
MUS 6324 Introduction to Music Education Research
MUS 6325 Practical Applications of Research in Music Education

One of the following Music Theory courses:

MUS 5311 Introduction to Linear Analysis
MUS 6302 Analytical Techniques for Twentieth-Century Music
MUS 6314 Seminar in Music Theory
MUS 6317 Analysis of Music of the 18th and 19th Centuries

One of the following Music History courses:

MUS 6318 Music in the Romantic Period
MUS 6319 Music in the Twentieth Century
MUS 6320 Music in the Classical Period
MUS 6321 Music in the Baroque Era

MUS 6322 Music in the Renaissance
MUS 6323 History of Women in Music

[3.2.2] Music Electives

At least eight hours of the following:

MUS 5206 Marching Band Techniques
MUS 5325 Orff-Schulwerk Methodology I
MUS 5326 Orff-Schulwerk Methodology II
MUS 5327 Orff-Schulwerk Methodology III
MUS 6207 Choral Conducting
MUS 6210 Choral Literature I
MUS 6211 Choral Literature II
MUS 6206 Instrumental Conducting
MUS 6203 Instrumental Literature I
MUS 6208 Instrumental Literature II
MUS 5V10 Special Problems in Music Education
MUSA 6Vxx Applied Lessons (maximum of 3 credit hours)
MUSE 61xx Large Ensemble – Choir, Wind Ensemble or Orchestra (maximum of 3 credit hours)

[3.2.3] Non-Music Electives (6 hours)

Courses in the College of Education, chosen in consultation with and approved by the Music Education faculty.

[3.3] Concentration: Instrumental Performance (32 hours minimum)

[3.3.1] Required Courses

MUSA 6Vxx Applied Lessons (2 credit hours)
MUSA 6Vxx Applied Lessons (2 credit hours)
MUSA 6Vxx Applied Lessons (2 credit hours)
MUSA 6Vxx Applied Lessons (2 credit hours)
MUS 6200 Graduate Recital
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUS 6214 Instrumental Pedagogy and Repertoire II
MUS 6203 Instrumental Literature I
MUS 6208 Instrumental Literature II
MUS 6313 Music Research and Bibliography

One of the following Music Theory courses:

MUS 5311 Introduction to Linear Analysis
MUS 6302 Analytical Techniques for Twentieth-Century Music
MUS 6314 Seminar in Music Theory
MUS 6317 Analysis of Music of the 18th and 19th Centuries

Two of the following Music History courses:

MUS 6318 Music in the Romantic Period
MUS 6319 Music in the Twentieth Century
MUS 6320 Music in the Classical Period
MUS 6321 Music in the Baroque Era
MUS 6322 Music in the Renaissance
MUS 6323 History of Women in Music

[3.3.2] Electives

At least two hours of the following:

MUSE 61xx Ensembles
MUS 6311 Score Reading
MUS 5V10 Special Problems in Music Education
MUS 5V21 Special Problems in Music
MUS 6V05 Directed Graduate Study

[3.3.3] Thesis Option

Completion of a thesis (6 hours) is an option in the performance concentrations.

[3.4] Concentration: Piano Performance (32 hours minimum)

[3.4.1] Required Courses

MUSA 6V30 Applied Lessons (2 credit hours)
MUSA 6V30 Applied Lessons (2 credit hours)
MUSA 6V30 Applied Lessons (2 credit hours)
MUSA 6V30 Applied Lessons (2 credit hours)
MUS 6200 Graduate Recital
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUS 6217 Advanced Piano Pedagogy
MUS 6215 Piano Literature I
MUS 6216 Piano Literature II
MUS 6313 Music Research and Bibliography

One of the following Music Theory courses:

MUS 5311 Introduction to Linear Analysis
MUS 6302 Analytical Techniques for Twentieth-Century Music
MUS 6314 Seminar in Music Theory
MUS 6317 Analysis of Music of the 18th and 19th Centuries

Two of the following Music History courses:

MUS 6318 Music in the Romantic Period
MUS 6319 Music in the Twentieth Century
MUS 6320 Music in the Classical Period
MUS 6321 Music in the Baroque Era

MUS 6322 Music in the Renaissance
MUS 6323 History of Women in Music

[3.4.2] Electives

At least two hours of the following:

MUSE 61xx Ensembles
MUS 6311 Score Reading
MUS 5V21 Special Problems in Music
MUS 6V05 Directed Graduate Study

[3.4.3] Thesis Option

Completion of a thesis (6 hours) is an option in the performance concentrations.

[3.5] Concentration: Vocal Performance (32 hours minimum)

[3.5.1] Required Courses

MUSA 6Vxx Applied Lessons (2 credit hours)
MUSA 6Vxx Applied Lessons (2 credit hours)
MUSA 6Vxx Applied Lessons (2 credit hours)
MUSA 6Vxx Applied Lessons (2 credit hours)
MUS 6200 Graduate Recital
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUS 6212 Advanced Vocal Pedagogy
MUS 5205 Vocal Literature I
MUS 5207 Vocal Literature II
MUS 6313 Music Research and Bibliography

One of the following Music Theory courses:

MUS 5311 Introduction to Linear Analysis
MUS 6302 Analytical Techniques for Twentieth-Century Music
MUS 6314 Seminar in Music Theory
MUS 6317 Analysis of Music of the 18th and 19th Centuries

Two of the following Music History courses:

MUS 6318 Music in the Romantic Period
MUS 6319 Music in the Twentieth Century
MUS 6320 Music in the Classical Period
MUS 6321 Music in the Baroque Era
MUS 6322 Music in the Renaissance
MUS 6323 History of Women in Music

[3.5.2] Electives

At least two hours of the following:

MUSE 61xx Ensembles
MUS 6311 Score Reading
MUS 5V10 Special Problems in Music Education
MUS 5V21 Special Problems in Music
MUS 6V05 Directed Graduate Study

[3.5.3] Thesis Option

Completion of a thesis (6 hours) is an option in the performance concentrations.

[3.6] Concentration: Instrumental Conducting (31 hours minimum)

[3.6.1] Required Courses

MUS 6200 Graduate Recital
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUS 6203 Instrumental Literature I
MUS 6208 Instrumental Literature II
MUS 6206 Instrumental Conducting
MUS 6310 Instrumental Conducting Practicum
MUS 6313 Music Research and Bibliography
MUS 6311 Score Reading

Three courses from the following, including at least one music theory course and one music history course:

MUS 5311 Introduction to Linear Analysis (music theory)
MUS 6302 Analytical Techniques for Twentieth-Century Music (music theory)
MUS 6314 Seminar in Music Theory (music theory)
MUS 6317 Analysis of Music of the 18th and 19th Centuries (music theory)

MUS 6318 Music in the Romantic Period (music history)
MUS 6319 Music in the Twentieth Century (music history)
MUS 6320 Music in the Classical Period (music history)
MUS 6321 Music in the Baroque Era (music history)
MUS 6322 Music in the Renaissance (music history)
MUS 6323 History of Women in Music (music history)

[3.6.2] Electives

At least two hours of the following (other courses may be used with approval of the advisor):

MUSE 61xx Ensembles
MUS 5V10 Special Problems in Music Education
MUS 5V21 Special Problems in Music
MUS 6V05 Directed Graduate Study

[3.6.3] Thesis Option

Completion of a thesis (6 hours) is an option in the conducting concentrations.

[3.7] Concentration: Choral Conducting (31 hours minimum)

[3.7.1] Required Courses

MUS 6200 Graduate Recital
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUS 6210 Choral Literature I
MUS 6211 Choral Literature II
MUS 6207 Choral Conducting
MUS 6312 Choral Conducting Practicum
MUS 6313 Music Research and Bibliography
MUS 6311 Score Reading

Three courses from the following, including at least one music theory course and one music history course:

MUS 5311 Introduction to Linear Analysis (music theory)
MUS 6302 Analytical Techniques for Twentieth-Century Music (music theory)
MUS 6314 Seminar in Music Theory (music theory)
MUS 6317 Analysis of Music of the 18th and 19th Centuries (music theory)

MUS 6318 Music in the Romantic Period (music history)
MUS 6319 Music in the Twentieth Century (music history)
MUS 6320 Music in the Classical Period (music history)
MUS 6321 Music in the Baroque Era (music history)
MUS 6322 Music in the Renaissance (music history)
MUS 6323 History of Women in Music (music history)

[3.7.2] Electives

At least two hours of the following (other courses may be used with approval of the advisor):

MUSE 61xx Ensembles
MUS 5V10 Special Problems in Music Education
MUS 5V21 Special Problems in Music
MUS 6V05 Directed Graduate Study

[3.7.3] Thesis Option

Completion of a thesis (6 hours) is an option in the conducting concentrations.

[3.8] Concentration: Music Theory (34 hours minimum)

[3.8.1] Required Courses

MUSA 6Vxx Applied Lessons (1 credit hour)
MUSA 6Vxx Applied Lessons (1 credit hour)
MUSE 61xx Ensemble
MUSE 61xx Ensemble
MUS 6315 Theory Pedagogy I
MUS 6316 Theory Pedagogy II
MUS 6306 Thesis Research I
MUS 6307 Thesis Research II
MUS 6313 Music Research and Bibliography

Three of the following Music Theory courses:

MUS 5311 Introduction to Linear Analysis
MUS 6302 Analytical Techniques for Twentieth-Century Music
MUS 6314 Seminar in Music Theory (may be repeated for credit)
MUS 6317 Analysis of Music of the 18th and 19th Centuries

One of the following Music History courses:

MUS 6318 Music in the Romantic Period
MUS 6319 Music in the Twentieth Century
MUS 6320 Music in the Classical Period
MUS 6321 Music in the Baroque Era
MUS 6322 Music in the Renaissance
MUS 6323 History of Women in Music

[3.8.2] Electives

At least three hours of the following:

MUSE 61xx
MUSA 6Vxx (1 credit hour)
MUS 6311 Score Reading
MUS 5V21 Special Problems in Music
MUS 6V05 Directed Graduate Study

[3.8.3] Thesis Requirement

A thesis (6 hours) is required for the music theory concentration.

[4] Graduate Certificate (GC) in Music (Professional Studies)

The Graduate Certificate in Music is a program designed to allow talented and dedicated instrumentalists and singers further time to advance their abilities as musicians and performers and/or to increase their preparedness to enter a graduate degree program or the world of music as professionals. Through close work with UCA's faculty in applied lessons and ensembles or accompanying, students receive exposure to a variety of types of performing while being able to

bring particular focus to the culmination of the program of study – a full recital during the final semester.

Admission Requirements

[These admission requirements have been updated to exclude the required GRE effective beginning January 2018.]

Applicants for the GC in Music must hold a bachelor's degree in music or its equivalent. Prospective students must submit an application, the university application fee, and official transcripts to the UCA Graduate School. Please note that the GRE 1s not required. In addition to Graduate School requirements, applicants must submit a letter of recommendation and a list of repertoire studied to the Department of Music. In addition, applicants must audition in person or submit a high quality CD or DVD of an unedited performance exhibiting a variety of musical styles and technical accomplishment. Unedited recordings may also be submitted via the Internet using links to websites, Facebook, YouTube, and other social media outlets. A minimum of 12 credit hours (maximum 18) is required to complete the Graduate Certificate program in music. The student has the options indicated below.

[4.1] Plans of Study

[4.1.1] Instrumental Studies (Excluding Piano)

Required each semester

Applied Lessons (MUSA 6Vxx [2 or 4 credits])
Small ensemble (chamber music, percussion ensemble, etc.; MUSE 6100 level) [1 credit]
Large ensemble (orchestra, wind ensemble, etc.; MUSE 6100 level) [1 credit]

Required final semester

Graduate Recital (MUS 6200) [2 credits]

Students should consult with their advisors for specific information regarding appropriate program electives. Electives may include courses in foreign languages, music history, music literature, pedagogy, and theory but may or may not count toward certificate credit hours.

[4.1.2] Piano Studies

Required each semester

Applied Lessons (MUSA 6V30 [2 or 4 credits])
Piano Chamber Music (MUSE 6141) [1 credit]
Accompanying (MUSE 6140) [1 credit]

Required final semester

Graduate Recital (MUS 6200) [2 credits]

Students should consult with their advisors for specific information regarding appropriate program electives. Electives may include courses in foreign languages, music history, music literature, pedagogy, and theory but may or may not count toward certificate credit hours.

[4.1.3] Voice Studies

Required each semester

Applied Lessons (MUSA 6V50 [2 or 4 credits])
Opera (MUSE 6112) [1 credit]

Required final semester

Graduate Recital (MUS 6200) [2 credits]

Students should consult with their advisors for specific information regarding appropriate program electives. Electives may include courses in foreign languages, music history, music literature, pedagogy, and theory but may or may not count toward certificate credit hours.

[5] Graduate Course Links

[5.1] Courses in Music (MUS)

Follow this link for MUS course descriptions: course link.

[5.2] Graduate Courses in Music – Applied (MUSA)

Follow this link for MUSA (Music – Applied) course descriptions: course link.

[5.3] Graduate Courses in Music – Ensemble (MUSE)

Follow this link for MUSE (Music – Ensemble) course descriptions: course link.

Nursing

URL: http://uca.edu/gbulletin/fields-of-instruction/nursing/

[1] Purposes

The School of Nursing is committed to educating students at the baccalaureate and graduate levels to address evolving health care needs and to advance the practice of nursing in an ever-changing society. Graduates of the baccalaureate program have the theoretical base in nursing and related disciplines and the skills, both interpersonal and technological, required for practice and have the foundation for graduate study.

The Master of Science in Nursing prepares students with a broad knowledge and practice expertise that builds and expands on baccalaureate nursing practice. Nurses with a master's degree are prepared for a variety of roles and areas of practice. Graduates may pursue three specialty tracks: Nurse Practitioner (NP), Nurse Educator with clinical specialty (NECS), and Clinical Nurse Leader (CNL). Graduates of each track are qualified for national certification examination.

Jump to … DNP Program

[2] MSN – Master of Science in Nursing

[2.1] Online Courses

All required MSN courses are offered online. Clinical courses with a laboratory component require minimal on campus meetings. MSN orientation will be held at the beginning of the first year. Dates and meeting times for campus experiences are scheduled in advance and posted on the School of Nursing web site.

[2.2] MSN Program Admission Requirements

Minimum admission requirements are outlined here. (See also http://uca.edu/nursing/master-of-science-in-nursing-admission-requirements/). Admission to the MSN program is selective and competitive.

1. A baccalaureate degree with an upper-division major in nursing from an NLNAC or CCNE accredited nursing program (graduates of non-accredited schools will be evaluated individually).
2. A minimum GPA of 2.70 (4.00 scale) overall or 3.00 on last 60 hours of earned credit.
3. Successful completion of a course in basic statistics, with a grade of C or above.
4. Current unencumbered license as a registered nurse in Arkansas (or state where clinical experiences will take place).
5. At least one year of direct patient care clinical experience within the last three years as an RN prior to enrollment in the clinical courses. Based on the applicant's recent clinical experience, the applicant might be required to take an independent clinical practicum course prior to enrollment in the clinical courses.
6. Applicants for whom English is not the native language are required to score 83 or higher on the iBT TOEFL exam. The exam must have been taken within the last two (2) calendar years. Only iBT TOEFL scores received directly from ETS or the UCA Testing center will be accepted as valid.
7. A completed application packet on central NursingCAS system.

[2.3] MSN Degree Requirements

The Master of Science in Nursing (MSN) degree requires 39-44 hours depending on specialty track.

[2.3.1] Required Courses

NURS 6301 Research for Evidence-Based Practice I
NURS 6304 Research for Evidence-Based Practice II
NURS 6347 Theoretical Foundations of Nursing Practice
NURS 6315 Advanced Health Assessment
NURS 6320 Advanced Pathophysiology
NURS 6325 Advanced Pharmacology
NURS 6322 Epidemiology for Advanced Nursing Practice
NURS 6332 Health Policy and Economics

[2.3.2] Clinical Nurse Leader (CNL) Track

NURS 6215 Foundations for Advanced Nursing Practice
NURS 6327 Healthcare Quality and Leadership
NURS 6329 Informatics for Advanced Nursing Practice
NURS 6470 Clinical Nurse Leader Practice
NURS 6371 Clinical Nurse Leader Immersion

[2.3.3] Nurse Educator with a Clinical Specialty (NECS) Track

NURS 6345 Evaluation in Higher Education
NURS 6348 Instructional Design and Teaching Strategies
NURS 6350 Curriculum in Nursing and Health Professions
NURS 6340 Clinical Specialty for the Nurse Educator
NURS 6349 Teaching Practicum for the Nurse Educator

[2.3.4] Nurse Practitioner (NP) Tracks

NURS 6215 Foundations for Advanced Nursing Practice
NURS 6511 Introduction to Primary Care for Family and Adult Gerontology Nurse Practitioners
NURS 6512 Primary Care of Adults for Family and Adult Gerontology Nurse Practitioners
NURS 6414 Primary Care of Children for Family Nurse Practitioners [Family NP only]
NURS 6413 Complex Primary Care of Adults for Family and Adult Gerontology Nurse Practitioners
NURS 6260 Clinical Immersion for Adult Gerontology Nurse Practitioners [Adult Gerontology NP only]

[2.4] RN to BSN/MSN Track

The RN-to-BSN/MSN track is for the Registered Nurse (RN) who graduated from an accredited associate degree or hospital diploma program and seeks both a Bachelor of Science in Nursing (BSN) and a Master of Science in Nursing (MSN) degree. Qualified RNs receive 41 hours of BSN nursing credit based on their prior educational program. Admission to the RN-to-BSN/MSN program is competitive with limited enrollment. Students applying to this track are admitted fall only.

RN-to-BSN/MSN students complete a total of 31 credit hours for the BSN of which 9 hours are graduate-level hours. The MSN degree requires an additional 33 graduate credit hours for the Adult/Gerontology Nurse Practitioner (AGNP), and an additional 30 graduate credit hours for the Clinical Nurse Leader (CNL) and Nurse Educator with Clinical Specialty (NECS) tracks. Students completing the Family Nurse Practitioner (FNP) track will complete an additional 35 graduate credit hours. The RN-to-BSN/MSN track is delivered online with minimal on-campus visits.

Visit uca.edu/nursing/ or contact the School of Nursing for additional information about the RN-to-BSN/MSN track.

[2.5] Post-Master's Certificate tracks and Second Master's Degrees

Master's-prepared nurses seeking additional master's preparation for national certification have the following options: (1) second master's degree (minimum of 30 credit hours required) and (2) post-master's certificate (minimum of 12 required hours). Applications to the post-master's certificate

(PMC) and second master's degree are competitive. The number of applicants admitted is based on available openings.

[2.5.1] PMC and Second Master's Degree Admission Requirements

1. Master's degree in Nursing from a nationally accredited program
2. Current unencumbered RN license.
3. Minimum Master's in Nursing GPA at or higher than a 3.0 on a 4.0 scale.
4. Applicants for whom English is not the native language are required to score 83 or higher on the iBT TOEFL exam. The exam must have been taken within the last two (2) calendar years. Only iBT TOEFL scores received directly from ETS or the UCA Testing center will be accepted as valid.
5. A completed application packet on centralized NursingCAS system:
    1. Printed verification from the State Board of Nursing website of current RN license or
    2. If APRN, (1) printed verification from the State Board of Nursing of current APRN license and (2) documentation of current national APRN certification.

[2.6] MSN, PMC and Second Master's degree Post-Acceptance Requirements

Upon acceptance to the MSN program, including PMC and Second Master's degree, candidates must

1. Complete a separate online application and pay an application fee directly to the UCA Graduate School.
2. Complete a criminal background check, as directed by the School of Nursing, with favorable results.
3. Complete a drug screen, as directed by the School of Nursing, with negative results.
4. Submit verification of specified health requirements (see School of Nursing Graduate Handbook for list of immunizations).
5. Provide proof of health insurance coverage.

[3] DNP – Doctor of Nursing Practice

[3.1] Objectives

The Doctor of Nursing Practice (DNP) is a practice-focused terminal degree that prepares graduates for the most advanced level of nursing. Graduates use clinical scholarship and analytic methods to improve quality and safety of health care systems. The DNP-educated nurse is prepared to function in healthcare systems fostering interprofessional collaboration in the improvement of population health outcomes and to influence health policy that determines financing, regulation, access, and delivery of care. Graduates are employed in a variety of settings including primary care, acute and long-term care, public health agencies, and schools of nursing.

[3.2] Online Courses

All courses in the DNP program are offered online. Three 2-day campus intensives are required for all students during the DNP program. Campus intensives will be held at the beginning of the first

year, the beginning of the second year, and during the week of graduation. Dates and meeting times for campus intensive experiences are scheduled in advance and communicated with students.

[3.3] DNP Admission Requirements

Admission to the DNP program is selective and competitive. Admission requirements include the following:

1. An earned master's degree in Nursing from a nationally accredited nursing program (CCNE, NLNAC, or ACEN) with a minimum GPA of 3.0 (4.0 scale).
2. Current unencumbered RN license from the student's state of residence and/or practice. Verification should be printed from your State Board of Nursing website.
3. Transfer of no more than six (6) credit hours towards degree requirements.
4. Documentation of the number of supervised clinical hours with a preceptor during your master's program.
5. Applicants for whom English is not the native language are required to score 83 or higher on the iBT TOEFL exam. The exam must have been taken within the last two (2) calendar years. Only iBT TOEFL scores received directly from ETS or the UCA Testing center will be accepted as valid.
6. Personal Essay.
7. Interview with DNP Admission Committee.

[3.4] Post-Acceptance Requirements

Upon acceptance to the DNP program, candidates must

1. Complete a separate online application and pay an application fee directly to the UCA Graduate School.
2. Complete a criminal background check, as directed by the School of Nursing, with favorable results.
3. Complete a drug screen, as directed by the School of Nursing, with negative results.
4. Submit verification of specified health requirements (see School of Nursing Graduate Student Handbook for list of immunizations).
5. Provide proof of health insurance coverage.

[3.5] DNP Degree Requirements

The Doctor of Nursing Practice (DNP) degree requires 34 or more hours of planned sequential graduate nursing course work. Students must also successfully complete a DNP Capstone Project in the last year of study and meet all UCA Graduate School requirements for graduation.

[3.5.1] Required Courses

PSYC 6330 Advanced Psychological Statistics
NURS 7310 Philosophical and Theoretical Foundations for Advanced Nursing Practice
NURS 7320 Health Economics and Finance
NURS 7330 Advanced Healthcare Informatics
NURS 7340 Leadership and Organizational Systems
NURS 7350 Translational Research Methods

NURS 7360 Population Health and Public Policy
NURS 7370 Applied Clinical Genetics and Genomics
NURS 7V15 Clinical Internship *****
NURS 7220 DNP Project Capstone I
NURS 7225 DNP Capstone Project II

***** All students are required to take a minimum of 6 clinical internship credit hours but may require more depending on how many clinical hours they had in their MSN program. All students must have 1,000 precepted clinical hours post-BSN. The Clinical Internship courses are variable-credit courses that students can begin taking as early as their second semester of study (with permission from their project advisor). For each credit of Clinical Internship, students spend 90 clock hours engaging in Mentored clinical activities that are aimed at meeting DNP Essential Competencies.

[4] School of Nursing Policies

The current editions of the *UCA Student Handbook* and the *Nursing Student Handbook: Graduate Program* specify the rules, regulations, and policies that apply to all UCA graduate nursing students. It is the responsibility of the student to know and follow the most recent policies and procedures.

[5] Accreditation Status

The baccalaureate and master's degree programs are approved by the Arkansas State Board of Nursing. The DNP program is approved by the Arkansas Department of Higher Education and is designed to meet professional standards for the practice doctorate developed by the American Association of Colleges of Nursing (AACN). The baccalaureate, master's, post-master's nurse practitioner certificate, and DNP programs in nursing at UCA are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791, www.aacnnursing.org and http://www.aacn.nche.edu/ccne-accreditation.

[6] Graduate Courses in Nursing

Follow this link for NURS course descriptions: course link.

Occupational Therapy

URL: http://uca.edu/gbulletin/fields-of-instruction/occupational-therapy/

[1] Occupational Therapy: Living Life to Its Fullest

Occupational therapy practitioners help people across the lifespan participate in the things they want and need to do through the therapeutic use of everyday activities. They use a holistic and customized approach to evaluations, interventions, and outcomes to help a child with disabilities participate in school and in social situations, assist a person recovering from injuries to regain skills, aid older adults to stay as independent as possible, and offer specialized support and services to people of all ages and in all circumstances that only occupational therapy can provide. Occupational therapy interventions may be provided to individuals, groups, communities, or to society as a whole.

[2] Doctor of Occupational Therapy

[2.1] Mission

The mission of the University of Central Arkansas Occupational Therapy Program in implementing a clinical doctorate in occupational therapy (OTD) is to develop leaders, advocates, researchers, and skilled practitioners competent in providing OT services to individuals and populations who are limited by physical or psychosocial situations that compromise independence and wellness. Graduates are prepared to practice in a variety of service delivery models, and to develop productive interpersonal and therapeutic relationships with clients, families, communities, populations, organizations, and other health and human services professionals.

The program is committed to promoting student awareness and appreciation of different cultural and social value systems. Student sensitivity is cultivated through the improved awareness of self and appreciation of diversity among client populations. The program seeks to instill in students a sense of self direction, discernment, and a desire to assume active responsibility for leadership, advocacy, clinical research, advanced clinical skills, and education.

In addition to educating competent practitioners, leaders, and advocates, the program strives to have a strong positive influence on the profession throughout the state and region, by assisting in the development of new knowledge in the science of occupation and in conducting and disseminating clinical research that establishes the efficacy of OT services.

[2.2] Accreditation

The entry-level occupational therapy doctoral degree program has applied for accreditation and has been granted Candidacy Status by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its Web address is www.acoteonline.org. The program must have a preaccreditation review, complete an on-site evaluation, and be granted Accreditation Status before its graduates will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). See §2.3.

[2.3] Certification

Graduates of the program are eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). Upon successful completion of this exam, the individual will be an occupational therapist, registered (OTR). In addition, most states require licensure to practice as an occupational therapist. A felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensures. For further information, the address and phone number for NBCOT are

NBCOT
One Bank Street, Suite 300
Gaithersburg, MD 20878
Phone: (301) 990-7979

[2.4] Course of Study

The curriculum leading to the Doctor of Occupational Therapy requires prior completion of a baccalaureate degree from a USDE- recognized regionally accredited college or university. Moreover, completion of 25 hours of prerequisite course work (grade C or better) is required. Prerequisite courses may be completed at UCA or at another regionally accredited college or university. Students who plan to complete prerequisites at another university are strongly urged to contact the Occupational Therapy Program Advisor to assure course equivalency.

Students are admitted to the program via a competitive admission process. Students who are admitted will complete 112 graduate credit hours, scheduled across a 36 month period. Within the course of study, the students are engaged in both classroom and fieldwork experiences at facilities in Arkansas and across the US. The first level of fieldwork assignments occur in concert with on-campus course work. Advanced levels of fieldwork assignments involve full time placement at two different fieldwork sites across a 6 month period. At this level, students may again be placed at facilities in Arkansas or across the US. In addition, a 640 hour doctoral residency program will serve as an integral part of the program's curriculum and will include in-depth experiences in clinical skills, research skills, administration, leadership, program and policy development, advocacy, education, and/or theory development.

Students are responsible for their own transportation and living expenses throughout the program, including fieldwork assignments and doctoral residency.

[2.5] Program Admission Requirements

To be considered for admission, candidates must complete a baccalaureate degree and meet the specific prerequisite requirements of the UCA Department of Occupational Therapy. Students may pursue the bachelor's degree in any chosen field of study at UCA or from a USDE-recognized regionally accredited college or university. Moreover, completion of 25 hours of prerequisite course work is required. Prerequisite courses may be completed at UCA or at another regionally accredited college or university. Students who plan to complete prerequisites at another university are strongly urged to contact the Occupational Therapy Program Advisor to assure course equivalency.

Students enrolled in the occupational therapy program must perform certain essential functions in order to participate in and complete program requirements. A list of these essential functions and the departmental policy is available at uca.edu/ot/.

All prospective students should review the document "UCA Department of Occupational Therapy Essential Functions" and the departmental policy prior to applying for admission to the program.

[2.5.1] Prerequisite Course Work

Department of Occupational Therapy: Pre-requisite Course Work with University of Central Arkansas course numbers. Prerequisite courses taken elsewhere must be approved in advance by the Occupational Therapy Program Advisor.

Course (UCA and ACTS* course numbers in parentheses)	Credit Hours
Anatomy and Physiology I (UCA: BIOL 2406; ACTS: BIOL2404)	4

Course (UCA and ACTS* course numbers in parentheses)	Credit Hours
Anatomy and Physiology II (UCA: BIOL 2407; ACTS: BIOL2414)	4
Physics (UCA: 1405 or 1410; ACTS [for 1410]: PHYS2014)	4
Medical Terminology (UCA: H SC 3123)	1
Sociology (UCA: SOC 1300; ACTS: SOCI1013) or Anthropology (UCA: ANTH 1302; ACTS: ANTH1013)	3
Abnormal Psychology (UCA: PSYC 4320)	3
Lifespan Development (UCA: FACS 2341) or Developmental Psychology (UCA: PSYC 2370; ACTS: PSYC2103)	3
Statistics (UCA: PSYC 2330 or SOC 2321 or MATH 2311; ACTS [for MATH 2311]: MATH2013)	3

* ACTS is the Arkansas Course Transfer System. It applies to transfer of some lower-division undergraduate courses.

[2.6] Application Process

The Doctor of Occupational Therapy (Entry-Level) program has strict admission requirements and enrollment limitations. Acceptance is by specific application and competitive admission only. A new class begins each fall semester.

Two options exist for admission to the program. Regardless of admission option, all applicants are required to complete the online application through the Occupational Therapist Centralized Application Service (OTCAS) at www.otcas.org by January 15th of the year of planned enrollment.

[2.6.1] Freshman Admission

Declaration of Intent: Intent to pursue the option for Freshman Admission must be completed with the Department of Occupational Therapy Program Advisor by **November 1 of the freshman year**.

Students who begin study at UCA as a freshman will be admitted into the occupational therapy program if they meet and maintain specific performance standards and criteria. Actual enrollment in the occupational therapy program will occur after completion of the baccalaureate degree if performance standards and criteria are maintained.

To maintain Freshman Admission status, the applicant must

- Take all coursework at UCA.
- Attend three SPOT (Students for Pre-Occupational Therapy) meetings each year (12 total meetings in 4 years).

- Maintain at least a 3.7 cumulative GPA every semester and a 3.5 GPA for all occupational therapy prerequisite course work.
- Submit GRE revised General Test (August 2011) scores to UCA Graduate School and OTCAS. UCA institutional GRE code 6012 and OTCAS GRE code 7416; score at least 150 on Verbal, 150 on Quantitative, and 4 on Analytical Writing sections.
- Complete a minimum of 20 hours volunteer/observation experience under the supervision of one licensed occupational therapist; (form and specific instructions are available from the Department of Occupational Therapy website: uca.edu/ot/).
- Complete a baccalaureate degree at UCA by May of the year of planned enrollment.
- Complete all prerequisite course work by the end of the fall semester prior to the spring OT program application deadline (January 15th of each year).

No interview is required of applicants entering the graduate OT program under Freshman Admission. Contact the UCA Occupational Therapy Program Advisor for more details regarding Freshman Admission.

[2.6.2] Regular Admission

Application deadline: January 15th of the year of planned enrollment

Those applicants not using the Freshman Admission or those who were not able to maintain performance standards and criteria for Freshman Admission must complete an application for Regular Admission. The deadline for Regular Admission is January 15th of the year of planned enrollment.

To be eligible for Regular Admission, by the application deadline, the applicant must:

- Complete baccalaureate degree by May of year of planned enrollment
- Complete the online application through the Occupational Therapist Centralized Application Service (OTCAS) at www.otcas.org. Application must be verified by February 19.
- Submit GRE revised General Test (August 2011) and GRE Analytical Writing scores to UCA Graduate School and OTCAS. UCA institutional GRE code 6012 and OTCAS GRE code 7416.
- Possess a cumulative GPA of 2.75 minimum based on a 4.0 scale or possess at least a 3.0 GPA on the last 60 hours of course work on a 4.0 scale.
- Complete a minimum of 20 hours volunteer/observation experience under the supervision of one licensed occupational therapist; the therapist must submit a performance rating from this experience (form and specific instructions are available from the Department of Occupational Therapy website: uca.edu/ot/).
- Complete all occupational therapy (OT) prerequisite course work, with a grade of C or better, by the end of the fall semester prior to the spring graduate OT program application deadline (January 15th of each year). OT prerequisite coursework 10 years old or older will not be accepted.

NOTE: All college work must be submitted regardless of when completed or the nature of the course work. Work experience is not calculated into the satisfaction of admission requirements.

All applications of candidates who meet qualifications for Regular Admission are reviewed by the OT Admission Committee. Applicants are ranked according to a formula based on overall GPA and

GRE scores; top-ranked candidates are invited to a mandatory interview scheduled in March. The interview is used to assess such factors as the ability to present oneself professionally, ability to use verbal and nonverbal communication appropriately, and to express knowledge about the profession of occupational therapy. Final ranking of candidates is based on the interview, GRE scores, volunteer/observation experience, and GPA. The top 48 applicants invited to enter the program are notified in late April. In addition to the selected candidates, a ranked alternate list is established. Individuals may be chosen from the alternate list to replace applicants who decline their appointment at any time, up to the date of enrollment.

Applicants who believe that they have been treated differently from other candidates in admissions decisions are to contact the chairperson of the Department of Occupational Therapy for information about the appeals process. All appeals must begin at the department level.

[2.7] Tuition and Fees

Occupational therapy students pay UCA general registration and other mandatory fees plus combined health science and departmental fees of $14 per credit hour and a lab fee of $5 per credit hour each semester.

Information on tuition and other mandatory fees is available from the UCA Office of Student Accounts. Fees are subject to change.

[2.8] Professional Courses

Required courses for the program are listed below in curriculum sequence order:

OTHY 6323 Professional Foundations of Occupational Therapy
OTHY 6324 Art and Science of Occupation
OTHY 6110 Doctoral Seminar I: Service Learning
OTHY 6403 Applied Human Anatomy
OTHY 6303 Human Movement and Performance
OTHY 6317 Research
OTHY 6404 Occupational Therapy Assessments
OTHY 6326 Conditions Influencing Occupational Performance
OTHY 6120 Doctoral Seminar II: Problem- and Solution-Based Learning
OTHY 6355 Applied Neuroscience
OTHY 6307 Theories in Occupational Therapy
OTHY 6102 Level I Fieldwork: Occupational Therapy Process
OTHY 6112 Level I Fieldwork: Analysis of Human Occupational Performance
OTHY 6321 Administration and Management
OTHY 6438 Evaluation and Intervention Planning
OTHY 6190 Formative Competency
OTHY 7317 Applied Research I
OTHY 6510 Holistic Interventions Birth to Young Adult
OTHY 6511 Holistic Interventions Adult to End of Life
OTHY 7318 Applied Research II
OTHY 6103 Level I Fieldwork: Evaluation and Intervention
OTHY 6104 Level II Fieldwork Seminar
OTHY 6V51 Level II Fieldwork Rotation I

OTHY 6V71 Level II Fieldwork Rotation II
OTHY 6309 Population- and Community-Based Programming
OTHY 7319 Applied Research III
OTHY 7311 Leadership and Communication in Healthcare
OTHY 6310 Occupational Therapist as Educator
OTHY 7320 Contemporary Issues and Advocacy in Occupational Therapy
OTHY 7310 Doctoral Seminar III: Planning & Development
OTHY 7330 Occupational Therapy Practice for Children, Youth & Families
OTHY 7340 Occupational Therapy in Rehabilitation and Disability
OTHY 7360 Advanced Occupational Therapy Practice in Mental Health
OTHY 7220 Doctoral Seminar IV: Transition to Practice
OTHY 7V50 Doctoral Residency

[3] Graduate Courses in Occupational Therapy (OTHY)

Follow this link for OTHY course descriptions: course link.

Physical Therapy

URL: http://uca.edu/gbulletin/fields-of-instruction/physical-therapy/

[1] Mission

The mission of the UCA Department of Physical Therapy is to develop autonomous physical therapist professionals who are practicing collaboratively in the global clinical and research communities and to model excellence in education, research, and service.

[2] Professional Degree: Doctor of Physical Therapy (DPT)

[2.1] Program Admission Requirements

Applications to the Professional DPT Program must be submitted using the Physical Therapist Centralized Application Service (PT-CAS) at www.ptcas.org.

In addition to meeting the general requirements of the Graduate School, the applicant must complete a supplemental application and a graduate application.

All applicants to the Professional DPT Program must submit the following:

1. Evidence of a minimum cumulative GPA of 3.00 on a scale of 4.00 and a science GPA of 3.00 on a scale of 4.00 for all biology, chemistry, and physics course work.
2. A score report for the Graduate Record Examinations (GRE).
3. Documentation of 45 hours of PT observations at three different clinical settings (10-20 hours per facility).
4. Any required application fee (if a fee is required, that information will be provided in the on-line application packet available at www.uca.edu/pt).
5. Evidence of completion of the following courses or their equivalents:

Area/Course	SCH
General Psychology (PSYC 1300 or higher)	3
Chemistry (CHEM 1402 and 2450 or 1450 and 1451; other courses such as CHEM 2401 and 3411 are available by approval)	8
Physics (PHYS 1410 and 1420; Physical Science not accepted)	8
Biology, including the following: 2 courses in biological sciences (BIOL 1440; one course above BIOL 1440, not botany); one course in anatomy with lab and one course in physiology with lab, or a 2-course sequence in anatomy and physiology)	15-16
Statistics (PSYC 2330, MATH 2311, SOC 2321, QMTH 2330)	3
TOTAL HOURS REQUIRED	37-38

6. Documentation of completion of 22 of the 31 hours of science course work prior to the application deadline.

In addition, students **accepted** to the DPT program must submit an official transcript from every college attended, including a transcript showing an earned baccalaureate degree from an accredited institution, to the UCA Graduate School. The degree must be awarded by the August enrollment date. (Students pursuing a baccalaureate degree at UCA may want to consider the BS in Health Sciences with a physical therapy emphasis.)

Students enrolled in the DPT program must perform certain essential functions in order to participate in and complete program requirements. A list of these essential functions and the departmental policy is available at www.uca.edu/pt.

All prospective students should review the document "Essential Functions of the Student in the DPT Program" and the departmental policy prior to applying for admission to the DPT Program.

[2.2] Options for Admission

The professional curriculum in physical therapy has enrollment limitations, and entry is by specific application and competitive admission. Two options exist for application to the professional DPT program.

[2.2.1] Freshman Admission

Application Deadline: Selection of this option should be confirmed with the pre-PT advisor by October 15 of the freshman year.

Students who begin study at UCA as a freshman and score at least a 30 on the ACT (from high school) or 1320 on SAT (verbal and math) will be accepted into the Professional DPT program. Specific performance standards must be met in order to maintain the position in the program. Actual enrollment into the professional program will occur after completion of the baccalaureate degree.

To maintain freshman admission:

- Take all coursework at UCA;

- Complete the GRE by DPT application deadline (Oct. 1);
- Attend three Pre-PT Club meetings each year (12 total in 4 years);
- Maintain a 3.70 cumulative GPA and a 3.50 science GPA for all undergraduate work;
- Complete 45 hours of observation at three different physical therapy clinics/facilities by application deadline;
- Be enrolled in 22nd hour of 31 required science hours in fall semester prior to the year of enrollment in the DPT program;
- Complete the baccalaureate degree and all required prerequisites by August of the year of enrollment in the DPT program;

No interview is required of applicants entering the program under Freshman Admission. Contact the UCA Pre-Physical Therapy Advisor for more details regarding Freshman Admission.

[2.2.3] Regular Admission

Application Deadline: October 1, each year

Those applicants not using the Freshman Admission must complete an application for Regular Admission. **The deadline for Regular Admission is October 1 of the year prior to planned enrollment.** Applications to the Professional DPT Program must be submitted using the Physical Therapist Centralized Application Service (PT-CAS) at www.ptcas.org.

In addition to meeting the general requirements of UCA's Graduate School, the applicant must complete the application using the Physical Therapist Centralized Application Service (www.ptcas.org) and a supplemental application (available on line at uca.edu/pt/).

To be eligible for Regular Admission, by the application deadline, the applicant must:

- Possess a cumulative GPA of at least a 3.0 based on a 4.0 scale;
- Possess a science GPA of at least 3.00 for all biology, chemistry, and physics course work;
- Have received a score on the Graduate Record Examination (GRE);
- Have completed a minimum of 22 hours of the 31 required hours of science prerequisites by the DPT application deadline;
- Have completed 45 hours of PT observation at 3 different clinical settings (10-20 hours per facility) by the application deadline.

All applications of candidates who meet qualifications for Regular Admission are reviewed by the DPT Admission Committee. Applicants are ranked using a composite score derived from the cumulative grade point average (CGPA), the science grade point average (SGPA), and scores on the GRE. Although the grades from extra science course work are included in calculating the science GPA, additional points are not added to the composite score for extra science courses. However, extra science course work is considered positively by the admissions committee. Of the criteria, the SGPA and GRE are weighted most heavily. The top applicants are invited to a mandatory interview scheduled for early December. The DPT Admission Committee Chair will inform invited applicants of their interview time. The interview is used to assess such factors as the ability to present oneself professionally, to use verbal and non-verbal communication appropriately, to express knowledge

about the profession of physical therapy, to function within the group for the interview, and to express ideas quickly and succinctly.

Applicants accepted for admission are notified of acceptance in late December. A ranked alternate list is also prepared. Individuals may be chosen from this list to replace applicants who decline their appointment at any time, up to the date of August 1. Ranking as an alternate is indicative of the Committee's high opinion of a candidate's potential, but does not assure placement in the class or in any future class. If class positions are not filled in the first application process, applications will be received until all class positions are filled or until August 1.

Students who do not meet the stated criteria for admission may appeal to the DPT Admission Committee. Requests for exceptions to the prerequisite course work and policies must be submitted to the Chair of the DPT Admission Committee by the application deadline. Failure to be admitted does not prevent reapplying for a later year.

Grade Point Averages for recent course work (30 semester hours or 45 quarter hours): The GPA for recent course work may be considered by the DPT Admission Committee as a substitute for the cumulative GPA for admission purposes only. The substitution may be made if the GPA for the last 30 semester hours (45 quarter hour equivalent) is at least 10% higher than the cumulative GPA and includes 15 hours of appropriate science course work. A minimal 3.00 cumulative GPA requirement and a minimal 3.00 science GPA requirement must be met prior to utilizing this option. No more than 8 hours of the science course work may be repeated course work. The total hours for the recent college GPA are obtained by beginning with the last semester or quarter of course work and moving backwards chronologically on the transcript(s) until 30 semester hours or 45 quarter hour equivalents are obtained. All courses are included. No more than one-fourth of the non-science course work included in the recent course work GPA may be repeated course work. All other requirements still apply.

[2.3] Tuition and Fees

In addition to the general registration and other mandatory fees established by the university, a Health Sciences Fee of $14.00 per semester hour and a $5.00 per semester hour lab fee are required for physical therapy course work. Information on general registration and other mandatory fees is available from the Office of Student Accounts. Textbooks cost approximately $2,200 for the DPT curriculum, and other required fees total approximately $200. Fees are subject to change at any time.

[2.4] Simultaneous Admission to Doctor of Philosophy (PhD) Program

Students who are admitted to the Doctor of Physical Therapy program may be eligible for simultaneous admission to the Doctor of Philosophy (PhD) program in physical therapy. Admission to the PhD program requires a separate departmental application process. Simultaneous enrollment in the DPT and PhD programs will allow students wishing to pursue the PhD to get a head start on the doctoral research and will provide an opportunity to complete the PhD degree in less time than if the two degrees were completed sequentially. See section 2.7 for details on which PhD courses will be integrated into the DPT curriculum.

[2.5] Accreditation Status

The Doctor of Physical Therapy (professional degree) is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). Contact information for CAPTE is

1111 North Fairfax Street
Alexandria, VA 22314

e-mail: accreditation@apta.org
phone: (800) 999-2782 or (703) 706-3245

[2.6] Professional Curriculum (124 hours)

Course	Course Title
PTHY 5505	Gross Anatomy
PTHY 6105	Research I *
PTHY 6205	Research II *
PTHY 6250	Pharmacology in Physical Therapy
PTHY 6303	Patient Management and Documentation
PTHY 6307	Professional Development I
PTHY 6314	Neurophysiological Principles of Motor Control
PTHY 6401	Kinesiology I
PTHY 6402	Kinesiology II
PTHY 6404	Clinical Foundations in Physical Therapy Practice
PTHY 6405	Therapeutic Exercise
PTHY 6406	Human Pathophysiology I
PTHY 6407	Human Pathophysiology II
PTHY 6424	Clinical Administration and Management
PTHY 6501	Neuroscience
PTHY 7103	Outcomes Assessment in Physical Therapy
PTHY 7105	Research III
PTHY 7114	Research Practicum (2 credit hours) *
PTHY 7209	Complex Patient Management in Physical Therapy
PTHY 7210	Integumentary System: Principles and Practice
PTHY 7213	Analysis and Synthesis of Physical Therapy Practice
PTHY 7228	Clinical Education Practicum I
PTHY 7307	Professional Development II
PTHY 7328	Clinical Education Practicum II

Course	Course Title
PTHY 7403	Physical Agents
PTHY 7404	Musculoskeletal Physical Therapy I
PTHY 7405	Musculoskeletal Physical Therapy II
PTHY 7406	Musculoskeletal Physical Therapy III
PTHY 7409	Clinical Reasoning and Differential Diagnosis
PTHY 7411	Physical Rehabilitation
PTHY 7515	Neurological Rehabilitation in Pediatrics
PTHY 7516	Adult Neurological Rehabilitation
PTHY 7520	Cardiopulmonary Principles and Practice
PTHY 7528	Clinical Education Practicum III ***
PTHY 7529	Clinical Education Practicum IV ***
PTHY 7530	Clinical Education Practicum V ***

[2.7] Curriculum Substitutions for DPT/PhD Students

For students simultaneously enrolled in DPT and PhD programs, the following substitutions in the DPT curriculum will be made:

* PTHY 6105, 6205, 7114 will be replaced with PSYC 6330 Advanced Psychological Statistics and PSYC 6331 Research Design.

*** One of the 10 week clinical practica (PTHY 7528, 7529, OR 7530) may occur in a clinical research laboratory related to the student's doctoral research.

[3] Doctor of Philosophy (PhD)

[3.1] Objectives

The PhD degree program graduate will be able to

1. Demonstrate skill in original research, providing evidence of an understanding of research design and the ability to implement the scientific method for qualitative or quantitative research.
2. Engage in scholarship through dissemination of knowledge to advance understanding of the theoretical principles underlying the framework of the discipline.
3. Exhibit a breadth of knowledge of the discipline and the skill to critically evaluate the published literature with respect to evidence-based models.
4. Organize and integrate current evidence and best practices in teaching clinical and didactic physical therapy courses.

5. Display leadership traits that guide the profession in identifying and resolving important questions, issues, and problems.

[3.2] Application Process

Students wishing to pursue the Doctor of Philosophy (PhD) degree program in physical therapy will be admitted through a process involving a mutual decision between the graduate dean and the Department of Physical Therapy. Applicants must submit the application materials to the Graduate School and should contact the department for further information. The following materials must be submitted:

1. A completed application for admission to the PhD program from the Department of Physical Therapy (online application and resources at uca.edu/pt)
2. An application for admission to the Graduate School at the University of Central Arkansas (online application and resources at uca.edu/graduateschool/admission-process)
3. Scores of the Graduate Record Examination (GRE).
4. Score of the Test of English as a Foreign Language (TOEFL) is also needed for international students. Contact the Graduate Office for the minimum acceptable score.
5. Two letters of reference
6. A brief letter indicating a statement of purpose
7. Verification (transcripts) of completion of a CAPTE accredited physical therapy curriculum or equivalent with a cumulative grade point average of at least a 3.0 (4.0 scale).
8. International students should refer to uca.edu/international/admissions for important additional requirements concerning graduate admissions.

[3.3] Admission Process

[3.3.1] Review by the PhD Admissions Committee

Upon submission of the application materials, the PhD Admissions Committee will determine whether the applicant meets the criteria for acceptance including academic credential, GPA, scores on the GRE and TOEFL (if required), and appropriate interest area and statement of purpose.

[3.3.2] Interview

Applicants who meet the criteria are invited for an interview. An on-site interview at the University of Central Arkansas is preferred, but a telephone interview may be conducted when extenuating circumstances prevail.

[3.4] Residency Requirements

A minimum of three years of study will be necessary to attain the level of achievement required for completion of the Doctor of Philosophy in Physical Therapy degree. To assist in achieving the required level and to have ample opportunity to be part of the scholarly environment, the student is required to be in residence onsite in the Department of Physical Therapy in the form of two full semesters (Fall/Spring), or three Summer semesters. The minimum time for a Summer semester will be 10 weeks, while the minimum for a Spring/Fall semester will be 15 weeks each semester. During this residency, the student is required to be registered full time (9 credits) or part-time (6 credits) and

expected to serve as a research or teaching assistant within the department. Specific requirements of the residency will be negotiated with the research advisor.

[3.5] Program of Study

As graduates of accredited physical therapy educational programs, applicants to the PhD degree program are expected to possess knowledge regarding the profession of physical therapy and its practice environments and culture. The program of study will be individualized for each student based upon current skills in statistics, research design, and a specific interest area. The program includes a major field, independent scholarship (consisting of core and research courses), and elective courses that provide breadth within the student's interest area.

Apprenticeship to and close association with faculty members allow the student to evaluate pertinent literature, determine issues and problems, apply appropriate principles and procedures, and commit to ethical practices necessary for research. The course of study is individualized for each student based upon recommendations by a faculty advisor and two committee members. A minimum of 60 credits beyond the master's degree is required. An individual holding the doctor of physical therapy (DPT) degree may be allowed to apply up to 15 hours of course credit from the DPT degree toward the PhD. Minimum credits for master's degree holders are outlined below.

[3.5.1] Core Courses (27 credits + 12 credits of dissertation)

Through seminars and specific courses, students learn to interpret the implications of research and identify complex questions and possible answers for the profession. The core emphasizes pertinent issues for physical therapy researchers and educators as well as continuous involvement in scholarship.

Course	Course Title	SCH
PTHY 7387	Lifespan Movement Analysis	3
PTHY 7316	Advanced Biomechanical and Kinesiological Analysis	3
PTHY 7310	Professional Leadership in Physical Therapy	3
PTHY 7315	College Teaching in Physical Therapy	3
PTHY 7324	Theory and Practice of Evidenced Based Physical Therapy	3
EXSS 6316	Data Analysis	3
CSD 7110	Grant Writing Internship	1
CSD 7210	Grant Writing Pedagogy	2
PSYC 6330	Advanced Psychological Statistics	3
PSYC 6331	Research Design	3
PTHY 7V02	Dissertation (variable credit 1-9 for total of 12)	12

[3.5.2] Guided Elective Courses (6 credits chosen from the following)

Guided electives provide for more in depth study, allowing students to acquire the tools essential for conducting research and effectively disseminating the findings.

Course	Course Title	SCH
PTHY 7V01	Advanced Research in Physical Therapy (variable credit 1-9)*	1-9
PSYC 7315	Application of general linear models	3
PSYC 7320	Regression and multivariate analysis	3
PTHY 7385	Teaching Practicum in Physical Therapy	3
PTHY 7390	Advanced Anatomy	3

*PTHY 7V01 may be repeated as needed. The student will learn to use the research tools necessary for the dissertation and professional scholarship.

[3.5.3] Elective Courses (Interest Area) (15 credits chosen from the following)

The elective courses foster development of breadth in the student's area of clinical interest. These courses are typically taken by those entering with a Master's degree in order to fulfill the 60 credit hour requirement. The student's committee will approve specific courses to complement the research focus. Students may not repeat for credit any course equivalent to one taken for a previous degree.

Course	Course Title	SCH
PTHY 6335	Advanced Spinal Cord Injury Management	3
PTHY 7212	Advanced Spinal Manual Therapy	2
PTHY 7304	Sports I	3
PTHY 7308	Upper Quarter and Cervical Spine	3
PTHY 7309	Lumbopelvic Dysfunction	3
PTHY 7334	Aquatic Therapy	3
PTHY 7360	Advanced Evaluation and Intervention in Pediatric Physical Therapy	3
PTHY 7390	Advanced Anatomy	3
PTHY 6V38	Directed Graduate Study in Physical Therapy (variable credit 1-3)*	1-3
PTHY 6V01	Special Problems in Physical Therapy (variable credit 1-3)*	1-3

*PTHY 6V01 and 6V38 may be repeated.

[4] Graduate Course Links

Follow this link for PTHY course descriptions: course link.

Follow this link for CSD course descriptions: course link.

Follow this link for EXSS course descriptions: course link.

Follow this link for PSYC course descriptions: course link.

Psychology and Counseling

URL: http://uca.edu/gbulletin/fields-of-instruction/psychology-and-counseling/

The Department of Psychology and Counseling has a strong tradition of graduate education for mental healthcare professionals. Our graduate programs prepare students to become Licensed Psychologists, School Psychology Specialists, or Licensed Professional Counselors who provide evidence-based services for children, adults, and families in a variety of healthcare and educational settings. Our graduate programs include the following:

The MS program in Mental Health Counseling is well respected for producing high quality, effective Licensed Professional Counselors (LPCs).
Jump to §1. | Go to the department's Mental Health Counseling page.

The MS+15 hour Post-Master's Certificate program in School Psychology is accredited by National Association of School Psychologists (NASP) and leads to certification as a School Psychology Specialist.
Jump to §2 | Go to the department's MS+PMC, School Psychology page.

The PhD program in Psychology, Counseling Psychology Track, began in 2008 and is accredited by the American Psychological Association (APA).
Jump to §3.1 | Go to the department's PhD, Psychology, Counseling Psychology Track page.

The PhD program in Psychology, School Psychology Track, is accredited by the American Psychological Association (APA) and is the only doctoral program in School Psychology in Arkansas.
Jump to §3.2 | Go to the department's PhD, Psychology, School Psychology Track page.

[1] Mental Health Counseling

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The MS program in Mental Health Counseling prepares graduates to provide comprehensive counseling services to groups and individuals. Graduates work as Licensed Professional Counselors in mental health centers, private practice, and community agencies. The program has high academic and practice standards that are consistent with state and national qualifications for licensed professional counselors. The program is geared toward the standards and values of the American Counseling Association (ACA) and the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

[1.1] Admission Requirements

All applicants for the Mental Health Counseling (MHC) MS program must meet the general requirements of the Graduate School and specific requirements of the MHC program.

January 15th is the deadline for all completed application materials – for summer or fall admission.

Application to the UCA Graduate School – at least three weeks before department application deadline:

- Online application and fee payment
- Scores for the Graduate Record Examination (GRE) – general test
- Official transcripts for all undergraduate and graduate coursework

Application to the Mental Health Counseling program:

- Mental Health Counseling Program Application—hard copy of program application form (downloaded from Department of Psychology and Counseling website)
- Three (3) letters of recommendation from professional references qualified to comment on your academic and professional potential
- Personal Statement
  A 400-500 word statement of applicant's interest in counseling, how UCA's program fits applicant's goals, and career aspirations (double-spaced, 12 pt. font)
- Prerequisite coursework (any outstanding prerequisite coursework must be completed before starting classes in the program):
  - General Psychology
  - Psychological Statistics
  - Research Methods
  - Abnormal Psychology
  - Theories of Personality
- On-campus interviews are required for applicants and will be conducted after the January 15 application deadline. However, telephone or Skype interviews may be arranged depending on circumstances.
- Satisfactory completion of a criminal background check (will be requested after the interview)

[1.2] Program Curriculum (60 hours)

Required Coursework (48 hours)

Course	Course Title	Hours
PSYC 6398	Legal and Ethical Issues in Counseling and Psychology	3
PSYC 6354	Theories of Psychotherapy	3
PSYC 6370	Advanced Developmental Psychology	3
PSYC 6314	Psychopathology	3
PSYC 6356	Group Therapy	3
COUN 6350	Counseling Process and Skills	3
COUN 6360	Research Methods in Counseling (PSYC 6331 may be taken in place of COUN 6360 by students who have completed PSYC 6330)	3
PSYC 6325	Diagnosis and Treatment of Addictions	3
COUN 6381	Counseling Practicum I	3

Course	Course Title	Hours
PSYC 6355	Multicultural Counseling	3
PSYC 6393	Marriage and Family Therapy	3
COUN 6382	Counseling Practicum II	3
COUN 6334	Analysis of the Individual	3
COUN 6342	Career Counseling	3
PSYC 6372	Psychopharmacology	3
COUN 6V41	Counseling Internship	3 or 6

Elective Coursework (12 hours from the following)

Course	Course Title	Hours
PSYC 6315	Applied Behavior Analysis	3
PSYC 6316	Child Psychopathology	3
PSYC 6330	Advanced Psychological Statistics	3
PSYC 6331*	Research Design (PSYC 6331 may be taken in place of COUN 6360 by students who have completed PSYC 6330)	3
PSYC 6335	Identification and Remediation of Learning Problems	3
PSYC 6350	History of Psychology	3
PSYC 6360	Organization and Operation of the Schools	3
PSYC 6361	Problems in Psychology I	3
PSYC 6362	Problems in Psychology II	3
PSYC 6363	Foundations of Social and Affective Psychology	3
PSYC 7312	Learning and Cognition	3
PSYC 7315	General Linear Models	3
PSYC 7320	Regression and Multivariate Analysis	3
PSYC 7325	Physiological Psychology	3
PSYC 7361	Psychological Treatments and Methods	3

[1.2.1] Curriculum Substitutions for Counseling Psychology Doctoral Students

For students enrolled in the doctoral program (Counseling Psychology Track) who do not enter the program with a master's degree in counseling or a counseling related field, the following substitutions will be made:

Substitute PSYC 6313, 7360, 7361, and 6379 for COUN 6334, COUN 6341, PSYC 6325, and PSYC 6372.

Doctoral students earning the MS in Mental Health Counseling will not be eligible for licensure by the Arkansas Board of Examiners in Counseling unless they complete COUN 6V41 (Internship in Counseling) and PSYC 6372 (Psychopharmacology).

[1.3] Grade Requirements

Students receiving three Cs in graduate courses will not be permitted to continue in the program, nor will they be permitted to enroll in any other program in the Department of Psychology and Counseling. In addition, the Arkansas counseling board will not allow C grades for application toward licensure. Therefore, grades below B will not be accepted toward completion of the degree.

[1.4] Comprehensive Examination

A comprehensive examination must be satisfactorily completed before internship. Dates of the comprehensive examination are

Fall Testing: 2nd Tuesday and Wednesday in November – for following spring internship
Spring Testing: 1st Tuesday and Wednesday in April – for following fall internship

[1.5] Licensure

Students completing the Mental Health Counseling program are eligible to take the examination for licensure as a Licensed Associate Counselor under Act 593 of 1979. After 3,000 hours of post-degree, supervised experience, they are eligible for examination as a Licensed Professional Counselor.

[2] School Psychology MS with Post-Master's Certificate

Return to top.

The MS program in School Psychology prepares graduates to provide comprehensive school psychological services to preschool through secondary students and their caregivers. The program prepares entry level school psychology practitioners to apply scientifically-based psychological and educational principles and practices in all dimensions of their professional work. The 60-hour MS/PMC program has been approved at the specialist level by the National Association of School Psychologists (NASP) since 1994 and adheres to the ethical standards and values of NASP and the American Psychological Association (APA).

→ Gainful Employment Information – Post-Master's Certificate in School Psychology: 2015-16 | 2014-15

[2.1] Admission Requirements

All applicants for the School Psychology (SP) program must meet the general requirements of the Graduate School and specific requirements of the SP program.

January 15th is the deadline for all completed application materials – for summer or fall admission

Application materials include the following:

1. Graduate School application
2. Scores for the Graduate Record Examination (GRE) – general test
3. Official transcripts for all undergraduate and graduate coursework
4. SP Program Application
5. Three (3) letters of recommendation from professional references qualified to comment on your academic and professional potential
6. Prerequisite coursework—12 semester hours of undergraduate psychology coursework including:
    - General Psychology
    - Statistics
7. Satisfactory completion of a criminal background check (see program information for details)
8. On-campus interviews are generally required for program applicants.

[2.2] Program Curriculum: Required Coursework (60 hours)

Course	Course Title	Hours
PSYC 6375	Professional School Psychology	3
PSYC 6354	Theories of Psychotherapy and Counseling	3
PSYC 6330	Advanced Psychological Statistics	3
PSYC 6370	Advanced Developmental Psychology	3
PSYC 6314	Psychopathology	3
PSYC 6331	Research Design	3
PSYC 6373	Individual and Organizational Consultation	3
PSYC 6313	Psycho-Educational Assessment I	3
PSYC 6335	Identification and Remediation of Learning Problems	3
PSYC 7325/6372	Physiological Psychology or Psychopharmacology	3
PSYC 6398	Legal and Ethical Issues in Psychology and Counseling	3
PSYC 6355	Multicultural Issues in Counseling	3
PSYC 6332	School Psychology Practicum	3
PSYC 6315	Applied Behavior Analysis	3
PSYC 8305	Psycho-Educational Intervention I	3
*PSYC 6376	Psycho-Educational Assessment II	3
*PSYC 6356	Group Counseling	3
*PSYC 6333	School Psychology Practicum II	3

Course	Course Title	Hours
*PSYC 6V42	Internship in Psychology (Fall, Year 3)	3
*PSYC 6V42	Internship in Psychology (Spring, Year 3)	3

***** After successful completion of 45 hours and the comprehensive examination in the Fall of Year 2, the student is awarded the MS degree in School Psychology. This degree is insufficient for school psychology licensure in any state, which is why all students in the program complete the Post-Master's Certification coursework—marked with an asterisk (*****) in the above coursework sequence, for a total of 60 semester hours.

[2.3] Grade Requirements

Students receiving three Cs in graduate courses will not be permitted to continue in the program, nor will they be permitted to enroll in any other program in the Department of Psychology and Counseling.

[2.4] Comprehensive Examination

A qualifying comprehensive examination must be satisfactorily completed before beginning internship in Year 3. The date of the comprehensive examination typically is the 2nd Tuesday and Wednesday in November.

[2.5] Licensure and Certification

After the Praxis II (school psychology) exam is passed and internship is complete, each student will receive a Post-Master's Certificate (indicating the completion of the 60-hour program) from the School Psychology Program. After passing all 60 hours and the Praxis II (school psychology) exam, students must successfully pass a criminal background check in order to be eligible to become a School Psychology Specialist through the Arkansas Department of Education. Praxis II exam scores must be sent to the UCA College of Education's Director of Candidate Services. Praxis II online registration code #6012 should be used to ensure that the scores will be sent to UCA.

[3] PhD in Psychology

The PhD program in Psychology offers two tracks, Counseling Psychology and School Psychology. The program is designed to prepare school psychologists and counseling psychologists for professional practice in applied and research settings. Prospective students apply for admission to one of these programs. Both tracks are accredited by the American Psychological Association.

Questions related to either program's accredited status should be directed to the Commission on Accreditation:

Office of Program Consultation and Accreditation
American Psychological Association
750 1st Street, NE
Washington, DC 20002
Telephone: (202) 336-5979 | Email: apaaccred@apa.org | Web: www.apa.org/ed/accreditation/

[3.1] Counseling Psychology

Return to top.

The Counseling Psychology track is designed to prepare counseling psychologists to provide evidence-based psychological services and conduct research in a variety of clinical and academic settings. The Counseling Psychology track began in 2008 and is accredited by the American Psychological Association (APA).

[3.1.1] Admission Requirements

All applicants for the Counseling Psychology track must meet the general requirements of the Graduate School and specific requirements of the doctoral program.

January 15th is the deadline for all completed application materials – for summer or fall admission

Application materials include the following:

Before the application for Counseling Psychology can be approved by the department, an applicant must complete an Online Graduate School Admission application, submit official transcripts of all completed college course work and submit official Graduate Record Examinations (GRE) scores on the General Section.

In addition, the following items are required by the department:

1. Completed, typed Counseling Psychology Application for Admission which can be found at the following link: http://uca.edu/psychology/doc-school-psyc-counseling/
2. Twelve (12) semester hours of undergraduate preparation in psychology (See program application for specific requirements: any outstanding prerequisite coursework must be completed by the end of the first year in the program.)
3. Three (3) letters of recommendation from former college professors or individuals otherwise qualified to comment on the applicant's professional and academic potential
4. A 500-word statement of purpose which includes your interest in the field of psychology and your goals upon completion of the degree
5. Current résumé or vita.
6. Satisfactory completion of a criminal background check (see program information for details)

It is the applicant's responsibility to ensure that all materials are received by the admissions deadline.

[3.1.2] Program Curriculum: Required Coursework (120 hours)

Course	Course Title	Hours
PSYC 7360	Foundations of Counseling Psychology	3
PSYC 6398	Legal and Ethical Issues in Counseling and Psychology	3
PSYC 6354	Theories of Psychotherapy	3

Course	Course Title	Hours
PSYC 6330	Advanced Psychological Statistics	3
PSYC 6331	Research Design	3
PSYC 6370	Advanced Developmental Psychology	3
PSYC 6314	Psychopathology	3
PSYC 6356	Group Therapy	3
COUN 6350	Counseling Process and Skills	3
COUN 6342	Career Counseling	3
PSYC 7315	General Linear Models	3
PSYC 6393	Marriage and Family Therapy	3
COUN 6381	Counseling Practicum I	3
PSYC 6313	Psycho-educational Assessment I	3
PSYC 7V41	Doctoral Research Seminar	3*
PSYC 7361	Psychological Treatments and Methods	3
PSYC 7320	Regression and Multivariate Analysis	3
COUN 6382	Counseling Practicum II	3
PSYC 6379	Personality Assessment	3
PSYC 6316	Child Psychopathology	3
PSYC 7312	Learning and Cognition	3
PSYC 6355	Multicultural Counseling	3
PSYC 7V65	Doctoral Practicum in Counseling Psychology	12*
PSYC 6315	Applied Behavior Analysis	3
PSYC 6350	History of Psychology	3
PSYC 8320	Integrated Health Care in the Community	3
PSYC 6363	Foundations of Social and Affective Psychology	3
PSYC 7325	Physiological Psychology	3
PSYC 9V10	Dissertation	9*
PSYC 6373	Consultation and Supervision	3
ELECTIVE	PSYC or COUN elective at 6000 level or above	3

Course	Course Title	Hours
PSYC 9605	Doctoral Internship in Professional Psychology	6
PSYC 9606	Doctoral Internship in Professional Psychology	6
***** PSYC 7V41 is taken for a total of 3 semester hours; PSYC 7V65 is taken for a total of 12 semester hours; PSYC 9V10 is taken for a total of 9 semester hours.		

Master's Degree Requirement

All students in the Counseling Psychology Track who have not previously earned a master's in counseling or a counseling-related field will earn a master's in Mental Health Counseling after the completion of the appropriate 60 hour coursework and comprehensive examination. For such students, the following substitutions will be made in the Mental Health Counseling program:

Substitute PSYC 6313, 7360, 7361, and 6379 for COUN 6334, COUN 6341, PSYC 6325, and PSYC 6372.

Doctoral students earning the MS in Mental Health Counseling will not be eligible for licensure by the Arkansas Board of Examiners in Counseling unless they complete COUN 6V41 (Internship in Counseling) and PSYC 6372 (Psychopharmacology).

[3.1.3] Grade Requirements

Students receiving three Cs in graduate courses will not be permitted to continue in the program, nor will they be permitted to enroll in any other program in the Department of Psychology and Counseling. In addition, for students in the Counseling Psychology track, grades below B will not be accepted toward completion of the degree.

[3.1.4] Comprehensive Examinations

Master's comprehensive examinations must be satisfactorily completed to be eligible for the MS degree in Mental Health Counseling. Master's comprehensive examinations are typically given on the 2nd Tuesday and Wednesday in November.
Doctoral qualifying examinations (written and oral exams) must also be satisfactorily completed before pre-doctoral internship. Doctoral qualifying exams are typically given in April.

[3.1.5] Licensure

Students completing the PhD program are eligible to apply for Licensure as a Psychologist through the Arkansas Board of Psychology (ABP) provided that they successfully meet all ABP licensure criteria and requirements.

[3.2] School Psychology

The School Psychology Track prepares graduates to provide comprehensive school psychological services to preschool through secondary students and their caregivers. The program prepares doctoral-level school psychologists to apply scientifically based psychological and educational principles and practices in all dimensions of professional work. The program has been approved by

the American Psychological Association (APA) since 2006 and adheres to the ethical standards and values of the American Psychological Association (APA).

[3.2.1] Admission Requirements

All applicants for the School Psychology (SP) PhD program must meet the general requirements of the Graduate School and specific requirements of the SP program.

January 15th is the deadline for all completed application materials – for summer or fall admission.

Application materials include the following:

1. Graduate School application
2. Scores for the Graduate Record Examination (GRE) – General Test
3. Official transcripts for all undergraduate and graduate coursework
4. SP Program Application
5. Three (3) letters of recommendation from professional references qualified to comment on your academic and professional potential
6. Prerequisites: Bachelor's degree from an accredited institution with a minimum of 12 undergraduate hours of psychology coursework including:
    - General Psychology
    - Statistics
7. On-campus interviews are typically required for program applicants.

[3.2.2] Program Curriculum: Required Coursework (120 hours)

Course	Course Title	Hours
Year 1, Fall 1		
PSYC 6330	Advanced Psychological Statistics	3
PSYC 6354	Theories of Psychotherapy & Counseling	3
PSYC 6360	Organization and Operation of Schools: Implications for School Psychologists	3
PSYC 6370	Advanced Developmental Psychology	3
PSYC 6375	Professional School Psychology	3
Year 1, Spring 1		
PSYC 6313	Psycho-Educational Assessment I	3
PSYC 6314	Psychopathology	3
PSYC 6331	Research Design	3
PSYC 6373	Individual and Organizational Consultation	3

Course	Course Title	Hours
Year 1, Summer 1		
PSYC 6335	Identification and Remediation of Learning Problems	3
PSYC 6355	Multicultural Issues in Psychology & Counseling	3
PSYC 6398	Legal and Ethical Issues in Psychology & Counseling	3
PSYC 7325	Physiological Psychology	3
Year 2, Fall 2		
PSYC 6315	Applied Behavior Analysis	3
PSYC 6332	School Psychology Practicum I	3
PSYC 7V41	Doctoral Research Seminar in Psychology	1
PSYC 8305	Psycho-Educational Intervention I	3
Year 2, Spring 2		
PSYC 6333	School Psychology Practicum II	3
PSYC 6376	Psycho-Educational Assessment II	3
PSYC 7V41	Doctoral Research Seminar in Psychology	1
PSYC 6356	Group Psychotherapy	3
Year 2, Summer 2		
PSYC 7V41	Doctoral Research Seminar in Psychology	1
PSYC 7315	Application of General Linear Models to Experimental Design	3
PSYC 7350 PSYC 6361	Teaching of Psychology OR Problems in Psychology (students choose one of these classes or another class with advisor's approval)	3
Year 3, Fall 3		
COUN 6381	Practicum in Counseling	3
PSYC 7320	Regression and Multivariate Analysis	3
PSYC 6350	History and Systems of Psychology	3
Year 3, Spring 3		
PSYC 6363	Foundations of Social and Affective Psychology	3

Course	Course Title	Hours
PSYC 7305	Doctoral Practicum in School Psychology I	3
PSYC 8310	Psycho-Educational Intervention II	3
Year 3, Summer 3		
PSYC 6393	Marital and Family Therapy	3
PSYC 7312	Learning and Cognition	3
Year 4, Fall 4		
PSYC 7306	Doctoral Practicum in School Psychology II	3
PSYC 8315	Child Mental Health Promotion and Prevention	3
Year 4, Spring 4		
PSYC 7335	Program Evaluation in School, Community, and Mental Health Settings	3
PSYC 9V10	Dissertation Research in Psychology	3
PSYC 7307	Doctoral Practicum in School Psychology III	3
Year 4, Summer 4		
PSYC 9V10	Dissertation Research in Psychology	3
Year 5, Fall 5		
PSYC 9605	Doctoral Internship in Professional Psychology	6
Year 5, Spring 5		
PSYC 9606	Doctoral Internship in Professional Psychology	6

[3.2.3] Grade Requirements

Students receiving three Cs in graduate courses will not be permitted to continue in the program, nor will they be permitted to enroll in any other program in the Department of Psychology and Counseling. In addition, for students in the School Psychology track, grades below B will not be accepted toward completion of the degree.

[3.2.4] Comprehensive Examinations and Portfolio Assessments

A qualifying comprehensive examination must be satisfactorily completed during the second year of coursework before advancing further in the program. The date of the comprehensive examination typically is the 2nd Tuesday and Wednesday in November.

In addition to successfully passing the qualifying comprehensive examination in the second year of the program, PhD students are required to successfully complete: (a) a comprehensive, cumulative portfolio of their work in the program; and (b) an oral comprehensive examination directed and

evaluated by the School Psychology Committee. The above requirements must be passed prior to beginning the pre-doctoral internship.

[3.2.5] Licensure and Certification

Students completing the PhD program are eligible to apply for Licensure as a Psychologist through the Arkansas Board of Psychology (ABP) provided that they successfully meet all ABP licensure criteria and requirements.

[5] Graduate Course Links

Follow this link for COUN course descriptions: course link.

Follow this link for PSYC course descriptions: course link.

Reading

URL: http://uca.edu/gbulletin/fields-of-instruction/reading/

[1] Objectives

The major purpose of the MSE programs offered through the Elementary, Literacy, and Special Education is to offer advanced preparation in assessment, planning, and instructional strategies to personnel working with school age children. MSE programs are standards based, designed around exemplary educational practices, and aligned with the Arkansas Competencies. Master's programs are currently available in reading and special education with various licensure/endorsement programs offered as well.

[2] Guidelines for MSE in Reading

1. In addition to the general application and GPA requirements of the UCA Graduate School, applicants must
    1. Submit a valid standard Arkansas educator license. Individuals who have an out-of-state educator license, please contact the department at (501) 450-3172.
    2. Submit two letters of reference from practicing professionals who can speak to the candidate's knowledge, performance, dispositions, and capability to complete a master's program.
2. No more than three hours may be transferred from another institution of higher education. These three hours will be elective credit only and will not be considered as a substitution for any core requirement.
3. Research Methods must be taken before the 12th hour.
4. Application for participation in the Comprehensive Examination can only be filed after the completion of the 24th hour.
5. Participation in the Comprehensive Examination can take place only during the final semester of study.
6. Students must complete Praxis test for Reading Specialist and submit documentation of score prior to taking comprehensive exams.
7. Students who fail the Reading Comprehensive Examination on the initial attempt may, after one semester has elapsed, apply for re-examination. This second attempt shall be the final

opportunity to participate in the Reading Comprehensive Examination. Should the student fail the second attempt, the degree will not be awarded.

8. Students who fail to apply after two years have elapsed since the initial unsuccessful attempt on the Reading Comprehensive Examination shall be denied application, and the degree will not be awarded.
9. Programs in the College of Education that lead to licensure relating to K–12 schools require satisfactory completion of all key assessments identified by the program area.
10. Candidates have two options regarding the exit assessment: satisfactory completion (as determined by the state) of the state-mandated licensure test for reading or satisfactory completion of the alternative assessment as identified by the program's faculty

[2.1] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer I or II, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[3] Program of Study for Reading Graduate Candidates

Course Requirements (30 hours)

Courses required for the Dyslexia Therapist Endorsement or Graduate Certificate (Dyslexia Interventionist) are marked with a dagger (†).

ELSE 6314 Diagnosis and Intervention of Reading Difficulties †
ELSE 6341 Literacy Strategies for the Emergent and Early Reader
ELSE 6343 Clinical Practicum in Reading †
ELSE 6345 Leadership, Supervision, and Professional Development in Literacy
ELSE 6346 Literacy Strategies for Advanced Readers
ELSE 6347 Foundations of Dyslexia and the Language †
ELSE 6348 Multisensory Approach to Language I †
ELSE 6349 Multisensory Approach to Language II †
ELSE 6379 Multicultural Literacies and Diverse Texts
LEAD 6321 or ASTL 6380 Research Methods

→ Gainful Employment Information – Graduate Certificate in Dyslexia Interventionist: 2015-16

[4] Graduate Course Links

Follow this link for ELSE course descriptions: course link.

Follow this link for ASTL course descriptions: course link.

Follow this link for LEAD course descriptions: course link.

School Counseling

URL: http://uca.edu/gbulletin/fields-of-instruction/school-counseling/

[1] Program Description

The Master of Science degree in School Counseling (SCCN) is designed to prepare individuals for school counseling programs in K-12 settings and as members of school leadership teams. The program is approved by the Arkansas Department of Education. Candidates must be admitted to one of two tracks: An Add-On Track for those who hold a valid Arkansas teaching license and seek to add this license to their teaching license and the Initial License Track for those who do not hold a valid Arkansas teaching license.

[2] Admission Requirements: Both Tracks (full admission)

1. Meet the general requirements for admission to the Graduate School. GRE (General Section); or Praxis Core Academic Skills for Educators tests in Reading, Writing, and Mathematics; or verification of a valid standard educator license is required before full admission can be granted. (Note: Candidates holding a valid teaching license from another state should visit with the department chair and/or program coordinator.)
2. If requested, students are expected to submit supporting evidence to document their professional accomplishments or potential. This evidence may be documented via letters of recommendations and/or personal interviews.

[3] Retention Requirements

Both Tracks

Retention is contingent upon making satisfactory academic progress toward the degree. Violations of the state ethics mandates for P–12 educators, and/or violations of UCA student academic conduct policies may result in suspension or dismissal from the program.

Initial Licensure Track

Complete and submit results from an appropriate background check either prior to enrolling or before the first course requiring a field experience. Contact the Department of Leadership Studies for information on the appropriate screening process. A minimal cost is associated with this screening.

[4] Residence Credit

Candidates must meet the Graduate School policy of 24 credit hours in residence. Both the practicum and internship must be completed at the University of Central Arkansas.

[5] Transfer Credit

Candidates are referred to the following parts of this bulletin for details: section 7 of the Admission to Graduate Study page and section 13 of the General Requirements for Graduate Study page.

[6] Degree Requirements

1. Complete all required coursework with a cumulative grade point average of 3.00 or above. (Required courses are listed below.)
2. Complete practicum and internship courses with a grade of B or above.
3. Complete practicum and internship courses in residence.
4. Complete the program with no more than nine hours of grade of C (see item 2 above).
5. Complete satisfactorily either the state-mandated licensure test **or** the program-developed alternative assessment.
6. Required courses (48 semester credit hours):

   SCCN 6320 Foundations of School Counseling
   SCCN 6330 Multicultural Counseling in Schools
   SCCN 6340 Career Guidance for School Counselors
   SCCN 6350 Developmental Guidance
   SCCN 6360 School Counselor as Consultant
   SCCN 6365 Educational Assessment and Measurement
   SCCN 6380 School Counseling Intervention Strategies
   SCCN 6390 School Counseling Practicum
   SCCN 6695 Internship
   LEAD 6320 Counseling Theory in K-20 Education
   LEAD 6321 Research Methods
   LEAD 6330 Individual and Group Counseling in the K-20 Education Environment
   ASTL 6315 Investigation of Learning and Development through Multiple Contexts **or** PSYC 6370 Advanced Developmental Psychology
   ELSE 6366 Educational Programming for Students with Mild Disabilities K–12 **or** PSYC 6335 Identification and Remediation of Learning Problems
   SLMA 6312 School-Based Organizational Leadership

   All course substitutions including transfer courses must be approved by the program coordinator and department chair.

[7] Arkansas License for School Counselors

In addition to program requirements, candidates must meet the Arkansas Department of Education (ADE) requirements to be recommended for a school counselor's license by the Department of Leadership Studies. Currently, ADE requires the Professional School Counselors examination.

Initial licensure candidates must meet additional requirements established by the Arkansas Department of Education. Current requirements include the following:

1. Principles of Learning and Teaching (PLT) test scores required of teachers (elementary, middle level, or secondary test);
2. ADE-established test scores requirements for the GRE and/or Praxis Core;
3. ADE general requirements mandated for all first-time licensure candidates. Contact the Office of Candidate Services for a list of these requirements.

[8] Graduate Course Links

[8.1] Courses in School Counseling (SCCN)

Follow this link for SCCN course descriptions: course link.

[8.2] Courses in Other Areas (ASTL, ECSE, LEAD, PSYC, SLMA)

Follow this link for ASTL course descriptions: course link.
Follow this link for ELSE course descriptions: course link.
Follow this link for LEAD course descriptions: course link.
Follow this link for PSYC course descriptions: course link.
Follow this link for SLMA course descriptions: course link.

School Leadership, Management, and Administration

URL: http://uca.edu/gbulletin/fields-of-instruction/school-leadership-management-and-administration/

[1] Master of Science (MS) Program in School Leadership, Management, and Administration

Offered through the Department of Leadership Studies, graduate programs in school leadership are designed for individuals seeking Arkansas licensure as building administrators, curriculum administrators/ or program administrators for adult education, special education, or gifted talented education. These programs are aligned with both state and national standards. The program is part of UCA's Council for the Accreditation of Educator Preparation (CAEP) accreditation and is approved by the Educational Leadership Constituent Council. The program is designed to prepare school-based leaders who are (1) strong educators with a focus on student's needs and learning, (2) moral agents and social advocates for the children and communities they serve, (3) effective communicators with students, colleagues, and members of the community, (4) effective managers of change, and (5) effective integrators of technology into the educational environment.

The professional degree, Master of Science (MS), is designed to meet the needs of professional educators for preparation as building level leaders and administrators as principals, vice principals, assistant principals, or curriculum/program administrators. Candidates may choose one of the two tracks for their master's degree work: Building Administrator or Curriculum/Program Administrator. Both tracks require completion of a minimum of 34 hours of approved coursework, an internship, a portfolio defense, and a satisfactory score on the Arkansas Department of Education mandated examination.

[2] Post-Master's Certificate Programs

The Department of Leadership Studies has approval from the Arkansas Department of Education to offer programs of study in the following areas for individuals with appropriate master's degrees: building administrator and curriculum/program administrator for adult education, special education, or gifted talented education. These programs of study vary in length based upon individual applicant backgrounds. All programs require an internship and portfolio defense. Contact the Department of Leadership Studies for details.

[3] Arkansas License for Building-Level Administrators

The state of Arkansas offers the following Building-Level Administrator's licenses: Building Administrator (principal/assistant principal/vice principal) and Curriculum/Program Administrator licenses. Significant internship experiences must be completed at P–12 levels. Regardless of the type of license being sought, all candidates must pass the School Leaders Licensure Assessment (SLLA) to be recommended by UCA for a Building-Level Administrator's license. Curriculum/Program Administrators must hold a valid teaching license in the area of administrator license being sought. Candidates must provide documentation of at least four years of teaching experience. For UCA to recommend a candidate's application to the Arkansas Department of Education for licensure, the candidate must present to the Department of Leadership Studies the appropriate license application, an SLLA score report showing at least the minimum score set by the state for licensure, and all other documentation that is required by the state.

[4] Master of Science Degree

[4.1] Admission Requirements

In addition to meeting the general requirements of the Graduate School, the prospective candidate must

1. Complete the application forms/processes for admittance to the SLMA program.
2. Have an undergraduate degree with at least a 2.7 GPA.
3. Provide Graduate Record Examination (GRE) general test scores to the Graduate School or Praxis I or verification of a valid standard educator license to the department.
4. Provide at least three professional references that may be contacted regarding potential for success in the program.
5. Provide official transcripts from all previously attended institutions.

[4.2] Retention Requirements

Retention is contingent upon making satisfactory academic progress toward the degree and holding a current and valid teacher's license. Serious violations of the state ethics mandates for P-12 educators, and/or serious violations of UCA student academic conduct policies may result in suspension or dismissal from the program.

[4.3] Residence Credit and Transfer Credit

Students must complete the Graduate School requirement of at least 24 hours in residence. All requests for transfer work including courses from previous completed graduate degree/certificate programs must be submitted to the department and program coordinator. To be considered for transfer, the semester hours must have been awarded by a state and regionally accredited institution and must complement the student's approved program of study. The number of hours transferable to the SLMA degree program is dependent upon the currency of the course work and the appropriateness of the course work to the program. Only courses in which a grade of B or above will be considered. Internship and portfolio hours are not transferable. Acceptance of transfer credit does not reduce the minimum residency requirement.

[4.4] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer I or II, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[4.5] Degree Requirements

To be recommended for a degree, candidates must meet the following requirements:

1. Complete all required coursework with at least a 3.00 GPA (maximum of seven hours of "C" grades may be counted toward degree);
2. Complete satisfactorily all student assessments required as part of the state and CAEP accreditation process;
3. Complete satisfactorily the program's required culminating experience.

[4.6] Courses for the MS Degree (limited flexibility allowed)

All candidates (Building, Curriculum, and Program Administrators)

SLMA 6310 Foundations of School Leadership
LEAD 6321 Research Methods
SLMA 6312 School-Based Organizational Leadership
SLMA 6320 School Law
SLMA 6330 Curriculum and Program Leadership for Schools
SLMA 6112 Leadership for Social Justice
SLMA 6340 Instructional Leadership in Schools
SLMA 6210 Assessment and Data Analysis for School Improvement
SLMA 6360 Collaborative School Leadership
Appropriate Internship (3 credit hours)
Appropriate Portfolio Course

Building Administrator

SLMA 6350 Principal as Manager
ITEC course

Curriculum/Program Administrator

Appropriate Graduate-level Specialization Course (up to 6 credit hours)

[5] Post-Master's Certificate (PMC) for Adding a License

[5.1] Admission Requirements

In addition to meeting the general requirements of the Graduate School, admission to the Post-Master's Certificate Program requires completion of an appropriate master's program and the following:

1. Complete the application forms/processes for admittance to the SLMA program.
2. Have an undergraduate degree with at least a 2.7 GPA.
3. Provide a valid and current standard educator license.
4. Provide at least three professional references that may be contacted regarding potential for success in the program.
5. Provide official transcripts from all previously attended institutions

[5.2] Retention Requirements

Retention is contingent upon making satisfactory academic progress toward the certificate and holding a current and valid teacher's license. Serious violations of the state ethics mandates for P–12 educators, and/or serious violations of UCA student academic conduct policies may result in suspension or dismissal from the program.

[5.3] Transfer Credit

All requests for transfer work including courses from previous completed graduate degree/certificate programs must be submitted to the department and program coordinator. To be considered for transfer, the semester hours must have been awarded by a state and regionally accredited institution and must complement the student's approved program of study. The number of hours transferable to the PMC program is dependent upon the currency of the course work and the appropriateness of the course work to the program. Only courses in which a grade of B or above will be considered. Internship and portfolio hours are not transferable.

[5.4] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[5.5] Certificate Requirements

To be recommended for the certificate, candidates must meet the following requirements:

1. Complete all required coursework with at least a 3.00 GPA (maximum of seven hours of "C" grades may be counted toward degree);

2. Complete satisfactorily all student assessments required as part of the state and CAEP accreditation process;
3. Complete satisfactorily the program's required culminating experience;
4. Present score reports on the state mandated external national examination and meet at least the minimum score set by the state for licensure, and;
5. Present other documentation that is required by the state in order for the department to recommend you for the appropriate administrator's license.

[5.6] Courses for the Post-Master's Certificate

[5.6.1] Core Courses (12 hours)

The following core courses are required for all add-on licenses in addition to the specific Post-Master's Certificate course work as listed below:

SLMA 6312 School-Based Organizational Leadership
SLMA 6320 School Law
SLMA 6340 Instructional Leadership
SLMA 6360 Collaborative School Leadership

[5.6.2] School-Based Leadership: Building Administration (10 Hours)

→ Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Building Administration: 2015-16 | 2014-15

In addition to the required core courses, the following are courses are required:

SLMA 6330 Curriculum and Program Leadership or EDLP 7301 Program Planning & Evaluation
SLMA 6350 Principal as Manager
SLMA 6120 Internship: Elementary School, SLMA 6130 Internship: Middle School, SLMA 6140 Internship: High School (to total three hours)
SLMA 6170 Portfolio Development and Defense

[5.6.3] School-Based Leadership: Curriculum Administration (13 Hours)

→ Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Curriculum Administration: 2015-16 | 2014-15

In addition to the required core courses, the following courses are required:

Six hours of graduate work in the field of curriculum studies approved by the advisor and department chair
SLMA 6330 Curriculum and Program Leadership or EDLP 7301 Program Planning & Evaluation
SLMA 6V62 Internship for Curriculum Administrator (to total three hours)
SLMA 6172 Portfolio Development and Defense

[5.6.4] School-Based Leadership: Special Education Administration (13 Hours)

→ Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Special Education Program Administration: 2015-16 | 2014-15

In addition to the required core courses, the following courses are required:

Six hours of graduate work in the field of special education approved by the advisor and department chair
SLMA 6330 Curriculum and Program Leadership or EDLP 7301 Program Planning & Evaluation
SLMA 6V64 Internship for Special Education Administrator (to total three hours)
SLMA 6174 Portfolio Development and Defense

[5.6.5] School-Based Leadership: Gifted-Talented Education Administration (13 Hours)

→ Gainful Employment Information – Graduate Certificate in Gifted and Talented Program Administration: 2015-16 | 2014-15

In addition to the required core courses, the following courses are required:

Six hours of graduate work in the field of gifted-talented education approved by the advisor and department chair
SLMA 6330 Curriculum and Program Leadership or EDLP 7301 Program Planning and Evaluation
SLMA 6V65 Internship Gifted-Talented Administrator (to total three hours)
SLMA 6175 Portfolio Development and Defense

[5.6.6] School-Based Leadership: Adult Education Administration (16 Hours)

→ Gainful Employment Information – Post-Master's Certificate in School-Based Leadership: Adult Education Program Administration: 2015-16 | 2014-15

In addition to the required core courses, the following are courses are required:

ASTL 5395 Introduction to Adult Education
ASTL 5396 Methods and Techniques of Adult Education
ASTL Six hours of electives chosen with the consent of the advisor and department chair
SLMA 6V66 Internship Adult Education Administrator (to total three hours)
SLMA 6176 Portfolio Development and Defense

[6] Courses in School Leadership, Management, and Administration (SLMA)

Follow this link for SLMA course descriptions: course link.

Spanish

URL: http://uca.edu/gbulletin/fields-of-instruction/spanish/

[1] Graduate Program Objectives

Graduate programs in Spanish – the Master of Arts (MA) program and the Graduate Certificate (GC) program – are designed to provide professionals with advanced-level proficiency in oral and written Spanish through the study of literary, cultural, and linguistic topics. Graduates will have acquired cross-cultural competencies that will serve them in a variety of career options, including education, business, and public service.

[2] Program Requirements

[2.1] Graduate Certificate

→ Gainful Employment Information – Graduate Certificate in Spanish: 2015-16

Admission

[These admission requirements have been updated to exclude the required GRE, effective beginning January 2018.]

Qualifications for admission to the Graduate Certificate in Spanish program are the same as those for admission to the Graduate School, except that students entering the program (1) must have earned a minimum 3.0 GPA in an undergraduate major in Spanish; (2) must submit a satisfactory writing sample; and (3) ~~must submit satisfactory scores on the General Test of the GRE~~ must have scored at least Intermediate High on an Oral Proficiency Interview. The writing sample must demonstrate advanced proficiency in writing and appropriate critical thinking and analytical skills: it is an essay written specifically for the purpose, according to a prompt provided by the graduate faculty of the department. Please contact the graduate coordinator for information and directions.

Course requirements: The Graduate Certificate in Spanish requires completion of fifteen (15) semester hours at the graduate level, as follows:

(1) Three (3) hours (one course) selected from the following core courses required of MA students:

SPAN 5315 Masterpieces of Peninsular Literature and Culture
SPAN 5345 Masterpieces of Latin American Literature
SPAN 5340 History of the Spanish Language

(2) A minimum of six (6) hours of SPAN courses at the 6000-level (see elective list below)

(3) Another six (6) elective hours at either the 5000 or 6000 level (including the option of taking one or both of the core courses listed above but not taken as the one required course). These hours may be taken in the Spanish Program or, depending on the student's interests, may include a maximum of one course (3 credits) outside the program, such as a course toward the ESL endorsement (WLAN 5315, 5325, or 5330), or a graduate course in English or History.

Elective Courses to satisfy categories 2 and 3 above:

SPAN 5350 Intro to Spanish Linguistics
SPAN 6301 Applied Spanish Linguistics
SPAN 6330 Hispanic Author Seminar
SPAN 6335 Seminar on Literary Genre
SPAN 6340 Seminar on Garcia Marquez
SPAN 6395 Studies in Spanish Literature
SPAN 6396 Hispanic Studies
SPAN 6397 Topics in Advanced Spanish Linguistics

Satisfactory course completion: Students must maintain a minimum 3.0 GPA in the certificate program courses.

Completers of the GC curriculum may, should they wish to do so, apply the credits earned in the GC to completion of UCA's MA program in Spanish.

[2.2] Master of Arts

Admission

[These admission requirements have been updated to exclude the required GRE, effective beginning January 2018.]

Qualifications for regular admission to the Master of Arts in Spanish program are the same as those for admission to the Graduate School, except that students entering the program (1) must have earned a minimum 3.0 GPA in an undergraduate major in Spanish; (2) must submit a satisfactory writing sample; and (3) ~~must submit satisfactory scores on the General Test of the GRE~~ must have scored at least Intermediate High on an Oral Proficiency Interview. The writing sample must demonstrate advanced proficiency in writing and appropriate critical thinking and analytical skills: it is an essay written specifically for the purpose, according to a prompt provided by the graduate faculty of the department. Please contact the graduate coordinator for information and directions.

Conditional admission may be granted in the case of equivalent prior experience and advanced proficiency, which may be achieved by completing additional undergraduate coursework in Spanish at UCA: please consult the graduate dean, department chair, or departmental graduate advisor. Students who are granted conditional admission are eligible to take a limited course load of 3 or 6 hours, determined by the graduate coordinator and faculty upon admission.

Upon admission to graduate study, the student will be evaluated for proficiency (if previous scores have not been submitted) and consult with the graduate coordinator regarding a plan for study abroad if necessary.

Course requirements: The MA in Spanish requires completion of 30 semester hours at the graduate level (at least 15 of which must be at the 6000 level), including a minimum of six semester hours abroad in an approved program in a Spanish-speaking country. An equivalent study abroad experience at the undergraduate level will exempt students from having to study abroad provided that they meet the criteria listed below.

The thirty (30) required hours of graduate work are to be divided as follows:

1. Nine (9) hours of core courses. These three courses form the basis for the study of contemporary issues in Hispanic Studies and for the Comprehensive Exams.

   SPAN 5315 Masterpieces of Peninsular Literature and Culture
   SPAN 5345 Masterpieces of Latin American Literature
   SPAN 5340 History of the Spanish Language

2. A minimum of fifteen (15) hours at the 6000-level.
3. A maximum of three (3) hours from courses outside the program may be counted towards the required thirty hours. Depending on the student's interests, these may include courses for the ESL endorsement, such as WLAN 5330 WLAN, 5315, and WLAN 5325, as well as graduate courses in English and History.
4. Study abroad and/or thesis and/or independent study may make up no more than six (6) hours of the program, according to the approval and discretion of the chair and coordinator. Students will be assessed by the graduate coordinator upon entering and will be exempt from the study abroad requirement if they rate at advanced low or higher in speaking. Students

who rate below intermediate high will be required to complete a study abroad experience at the undergraduate level before beginning course work at UCA. Students who rate at the intermediate-high level will be admitted but will be subject to the study abroad requirement after completing their 18th hour of course work, if they have not made sufficient progress toward the required exit proficiency level. Students who are not exempt from the study abroad requirement and who complete 18 hours will be assessed by two graduate faculty. Those rated to be on track to attain the target exit proficiency in speaking of advanced high or who have attained it already will be exempt from the study abroad requirement. Students who have not made adequate progress will be required to complete a study abroad experience before enrolling in further coursework.

Comprehensive examination: Students must earn a passing grade on comprehensive written and oral examinations in Spanish.

Proficiencies: Students must meet required Spanish proficiencies in speaking, listening, reading, and writing, which are assessed according to ACTFL standards.

[3] Graduate Courses in Spanish (SPAN)

Follow this link for SPAN course descriptions: course link.

Special Education

URL: http://uca.edu/gbulletin/fields-of-instruction/special-education/

Use these links to jump to specific programs:
Degree programs: MSE in SPED | MAT in SPED
Endorsements and certificates: SPED K–12 | Birth-Kindergarten/Integrated Early Childhood | SPED Resource K–6, 7–12

[1] Master of Science in Education (MSE) in Special Education

[1.1] Objectives

The main purpose of the MSE program in Special Education is to prepare collaborative special education teachers skilled in providing quality instruction to students representing a broad scope of abilities. Candidates will gain expertise in the area of special education including foundations, development and characteristics of learners, individual learning differences, instructional strategies and planning, learning environments, guidance and behavior management, communication, working with families, assessment, and professional and ethical practice. The program recognizes the changing and complex role of the special educator and as such prepares the graduate candidates to

1. provide support and instruction to students with cognitive, physical, behavior, multiple, and/or health disabilities from kindergarten through 12th grade;
2. work in different educational settings such as self-contained, resource, and regular classrooms;
3. access the general education curriculum demonstrating a strong knowledge and skill set in academic content areas; and

4. effectively collaborate and work closely with general education teachers, related service personnel, administrators, and families to ensure all students are given every opportunity to reach their full potential.

The graduate program is designed to provide candidates with current information and experience with research based best practices in special education to assist candidates in learning about research based practices, how to research and stay current in their personal practices with students, and well versed in best practices that will keep candidates at the top of their field.

The MSE is a 30-graduate credit hour, program developed to meet the performance standards of *Arkansas Competencies for Special Education K–12 Teachers*, *Arkansas Teaching Standards* (InTASC), and *Council for Exceptional Children Standards*, while providing advanced studies in the discipline of special education. Included in the program is a 21-hour core of classes which comprise the Endorsement Program of Study. For candidates holding an Arkansas teaching license in a general education area (elementary, middle-level, or secondary content), successful completion of the Endorsement Program of Study and Praxis II exams will result in the candidate being eligible for an Arkansas Special Education K–12 license.

Program delivery is distance education with courses offered in an asynchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face-to-face in groups.

[1.2] Guidelines for the MSE in Special Education

1. Admission into the MSE program will be selective and competitive. Contact the Department of Elementary, Literacy, and Special Education or visit the department's website (http://uca.edu/else/) for program details and course rotation. In addition to the general application and GPA requirements of the UCA Graduate School, applicants seeking an Arkansas Special Education K–12 license must hold a valid standard Arkansas educator license. For individuals who have an out-of-state educator license and wish to hold an Arkansas Special Education K–12 license, contact the department at (501) 450-3172 for assistance. While individuals not holding a teaching license are eligible for admission into the MSE program, they will not be eligible for Arkansas Special Education K–12 license as the license is considered an endorsement to an Arkansas teaching license in a general education area.
2. With approval, a maximum of six hours may be transferred from another institution of higher education. These six hours must be approved by the department chair.
3. Participation in the Comprehensive Examination can only take place during the final semester of study.
4. Programs in the College of Education that lead to licensure relating to K–12 schools require satisfactory completion of all key assessments identified by the program area.
5. Candidates have two options regarding the exit assessment: satisfactory completion (as determined by the state) of the state-mandated licensure test for special education or satisfactory completion of the alternative assessment as identified by the program faculty.

[1.2.1] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[1.2.2] Required Courses for the MSE in Special Education K–12

Courses comprising the 21-hour core are designated by an asterisk (*****).

ELSE 6300 SPED 101 Academy: Philosophical, Historical, and Legal Aspects of Special Education *****
ELSE 6304 Behavior Management and Analysis in Special Education *****
ELSE 6308 Educational Assessment in Special Education *****
ELSE 6347 Foundations of Dyslexia and the Language *****
ELSE 6366 Educational Programming for Students with Mild Disabilities K-12 *****
ELSE 6367 Educational Programming for Students with Significant Disabilities K-12 *****
ELSE 6333 Math and Science for Diverse Learners *****
ELSE 6384 Research and Best Practices in Special Education
ELSE 6309 Solution-Focused Learning
ASTL 6380 Research Methods

Graduate candidates pursuing the MSE in Special Education who also wish to complete the Gifted and Talented certificate program (15 credit hours) may substitute six hours of gifted and talented (GATE) coursework for ELSE 6384 Research and Best Practices in Special Education and ELSE 6309 Solution-Focused Learning.

[1.3] Endorsements and Graduate Certificates

[1.3.1] Required Courses for the Special Education K–12 Endorsement and Graduate Certificate

The 21-hour graduate level program is designed to provide knowledge and skills in the discipline of special education to licensed general education teachers. Candidates will gain expertise in the area of special education including foundations, development and characteristics of learners, individual learning differences, instructional strategies and planning (for teaching content areas such as literacy, math, and science), learning environments, guidance and behavior management, communication, working with families, assessment, and professional and ethical practice. Upon the successful completion of the proposed curriculum and Arkansas state licensure test, candidates will be eligible for an Arkansas teaching license in Special Education K–12. Beginning in Spring 2016, a graduate certificate is available for this program of study.

ELSE 6300 SPED 101 Academy: Philosophical, Historical, and Legal Aspects of Special Education
ELSE 6304 Behavior Management and Analysis in Special Education
ELSE 6308 Educational Assessment in Special Education
ELSE 6333 Math and Science for Diverse Learners

ELSE 6347 Foundations of Dyslexia and the Language
ELSE 6366 Educational Programming for Students with Mild Disabilities K-12
ELSE 6367 Educational Programming for Students with Significant Disabilities K-12

→ Gainful Employment Information – Graduate Certificate in Special Education K–12: 2015-16

[1.3.2] Requirements for the B–K Endorsement and the Graduate Certificate in Integrated Early Childhood Education (B–K)

The 15-hour graduate-level program of study is designed to prepare licensed teachers who desire to work with typical and atypical children from birth through 5 years of age. With completion of the program and Praxis Licensure Test, candidates will be eligible for the Arkansas Licensure Endorsement in Early Childhood/Special Education Integrated B-K. **Prerequisite**: Candidates must have instruction in reading pedagogy which includes theories and strategies for teaching reading, diagnosis of reading difficulties, intervention strategies for struggling readers, and disciplinary literacy. Instruction in the area of reading will be determined by an audit of the candidate's transcript and/or current areas of license. Candidates who do not have instruction in this area will be required to complete ELSE 6347 Foundations of Dyslexia and the Language.

ELSE 6300 SPED 101 Academy: Philosophical, Historical, and Legal Aspects of Special Education
ELSE 6309 Solution-Focused Learning
ELSE 6327 Educational Programming for Young Children
ELSE 6336 Advanced Studies in the Guidance and Management of Young Children
ELSE 6338 Instructional Strategies and Assessment of Young Children

→ Gainful Employment Information – Graduate Certificate in Integrated Early Childhood Education (B–K): 2015-16

For further information about Special Education licensure coursework, visit the Department of Elementary, Literacy, and Special Education web page (http://uca.edu/else/) or phone (501) 450-3172.

[1.3.3] Required Courses for the Special Education Resource K–6, 7–12 Endorsement

This 12-hour graduate-level program of study is designed to prepare licensed teachers who desire to work with students with exceptionalities typically served in an inclusive, co-taught, and/or resource classroom setting. With completion of the program and Praxis Licensure Test, candidates will be eligible for the Arkansas Licensure Endorsement in Special Education Resource K–6, 7–12.

ELSE 6300 Special Education 101 Academy: The Philosophical, Historical, and Legal Aspects of Special Education
ELSE 6304 Behavior Management and Analysis in Special Education
ELSE 6347 Foundations of Dyslexia and the Language
ELSE 6366 Educational Programming for Students with Mild Disabilities K–12

For further information about Special Education licensure coursework, visit the Department of Elementary, Literacy, and Special Education web page (http://uca.edu/else/) or phone (50l) 450-3172.

[2] Master of Arts in Teaching (MAT) in Special Education

The Special Education MAT program is available for admission/enrollment in Summer 2017.

[2.1] Objectives

The College of Education offers the Master of Arts in Teaching (MAT) in Special Education for individuals without teaching credentials who have earned baccalaureate degrees in specific content areas and want to become special education teachers in an expeditious fashion. The Special Education MAT is a 36-hour program designed to prepare collaborative special education teachers skilled in providing quality instruction to students representing a broad scope of abilities. Candidates in the program will demonstrate competencies in the following areas: learner development and individual learning differences, learning environments, curricular content knowledge, assessment, instructional planning and strategies, professional learning and ethical practice, and collaboration. The program recognizes the changing and complex role of the special educator and as such prepares the graduate candidates to

1. provide support and instruction to students with cognitive, physical, behavior, multiple, and/or health disabilities from kindergarten through 12th grade;
2. work in different educational settings such as self-contained, resource, and regular classrooms;
3. access the general education curriculum demonstrating a strong knowledge and skill set in academic content areas; and
4. effectively collaborate and work closely with general education teachers, related service personnel, administrators, and families to ensure all students are given every opportunity to reach their full potential.

The program is designed to provide knowledge and skills in the discipline of special education while also meeting *Arkansas Teaching Standards* (ATS/InTASC), *Arkansas Teacher Excellence and Support System* (TESS), and the standards of the *Council for Exceptional Children* (CEC). In addition, the MAT curriculum is aligned to *Arkansas Competencies for Special Education Teachers K–12 First Time Standard License* (2015) and *International Society of Technology in Education* (ISTE) standards.

Graduates of the MAT will be eligible to pursue an Arkansas standard teaching license in Special Education K–12.

Program delivery is distance education with courses offered in an asynchronous and/or synchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. Most of the program is delivered online, with the opportunity for face-to-face class sessions in selected courses. Given that the program is designed to accommodate most student employment schedules, face-to-face class times will be scheduled at non-traditional times (i.e., evenings and/or weekends).

[2.2] Guidelines for the MAT in Special Education

[2.2.1] Program Prerequisites

In order to apply for a UCA graduate program, candidates will be required to provide transcripts from all institutions attended, and must hold a bachelor’s degree.

[2.2.2] Program Admission Requirements

Candidates interested in pursuing the MAT in Special Education will need to be admitted to the UCA Graduate School by following the regular admission process (http://uca.edu/graduateschool/admission-process/).

In addition, candidates will be required to meet one of the following criteria:

- Provide passing scores (determined by ADE) on Praxis I Core Academic Skills for Educators (Reading Test Code 5712, Writing Test Code 5722, AND Math Test Code 5732 OR Praxis I Combined Test Code 5751), http://www.ets.org/praxis/ar/requirements OR
- Provide passing scores (determined by the ADE) on the Graduate Record Examination (GRE), the Law School Admission Test (LSAT), or the Medical College Admission Test (MCAT) in lieu of the state-approved basic skills assessment (Praxis I Core Academic Skills for Educators).

[2.2.3] Program Continuation Requirement

All candidates must secure a provisional teaching license and provide evidence of employment as teacher of record, teaching a minimum of three (3) hours per day in a special education capacity/setting. Candidates can apply for their provisional license upon completion of ELSE 6300 SPED 101 Academy, ELSE 6375 The Practice of Teaching Diverse Learners, and successful completion of the Praxis II Special Education Core Knowledge and Application. The requirement of holding an Arkansas Provisional License must be met within the first 12 hours of the program or the candidate will be dismissed from the program. If the candidate fulfills this requirement after dismissal from the program, he/she can reapply for admission into the program.

According to *Arkansas Department of Education Policies Governing Education Preparation Program Approval*, candidates shall be placed only with mentors who have received at least a proficient or equivalent rating in their latest TESS performance review or other private or public school setting where content standards adopted by the State Board are taught, and faculty are subject to an evaluation system that uses a framework substantially similar to TESS.

Candidates not meeting the required academic performance criteria (including minimum GPA and test scores) and/or not demonstrating appropriate dispositions will be counseled by a faculty committee to be comprised of the program coordinator, the candidate's advisor, and faculty who have interacted with the candidate in class settings. Decisions regarding professional and ethical conduct will be guided by the professional and ethical conduct policy adopted by the professional education unit licensure programs and College of Education degree and licensure programs. These candidates may be required to complete professional growth plans. Failure to meet the guidelines of the professional growth plan may be cause for dismissal from the MAT in Special Education program.

Candidates are required to maintain at least a 3.0 cumulative GPA throughout their program.

[2.2.4] Entrance into Internship Requirements

Upon completion of 30 hours and prior to Internship, candidates must submit a professional growth paper that summarizes their growth through the program in understanding of TESS and the CEC standards, while comparing and contrasting their new understandings to those contained in the

reflective paper comparing and contrasting the TESS Framework and the CEC Standards, completed in ELSE 6375 The Practice of Teaching Diverse Learners. This reflective paper must be submitted to Chalk and Wire, and all criteria must receive a rating of 2 or better before candidates are eligible to enter Internship.

[2.2.5] Program Exit Requirements

After successful completion of all required courses and model key assessments, candidates must submit passing scores on the Principles of Learning and Teaching exam (PLT Praxis exam).

Successful completion of a comprehensive written evaluation will be required for those candidates who are unable to submit passing PLT scores.

Note: In order to apply for a standard teaching license in special education K–12, candidates MUST pass the Praxis II content assessment and the Principles of Learning and Teaching (PLT).

[2.2.6] Continuous Enrollment Requirement

College of Education graduate students are expected to maintain continuous enrollment throughout their program of study until achieving program completion. Specifically, College of Education graduate students are expected to be enrolled in at least two of the three semesters in a given calendar year (Spring, Summer, and Fall). If a student must take a time-out, the student is expected to notify his/her home department. If a student fails to register for more than one semester out of three in a given calendar year, he/she may be ineligible for readmission unless granted by the home department.

[2.3] Program of Study

Required Courses for the MAT in Special Education

ELSE 6300 SPED 101 Academy: Philosophical, Historical, and Legal Aspects of Special Education
ELSE 6304 Behavior Management and Analysis in Special Education
ELSE 6308 Educational Assessment in Special Education
ELSE 6314 Diagnosis and Intervention of Reading Difficulties
ELSE 6333 Math and Science for Diverse Learners
ELSE 6348 Multisensory Approach to Language I
ELSE 6366 Educational Programming for Students with Mild Disabilities K-12
ELSE 6367 Educational Programming for Students with Significant Disabilities K-12
ELSE 6375 The Practice and Teaching of Diverse Learners
ELSE 6600 Special Education M.A.T. Internship
ASTL 6380 Research Methods

[3] Graduate Course Links

Follow this link for ELSE course descriptions: course link.

Follow this link for ASTL course descriptions: course link.

Follow this link for GATE course descriptions: course link.

Sport Management

URL: http://uca.edu/gbulletin/fields-of-instruction/sport-management/

[1] Objectives

The Department of Exercise and Sport Science offers the executive-style Master of Arts (MA) in Sport Management in a completely online format. The MA in Sport Management is aimed to enhance the knowledge base of sport management through an online learning environment. This aim will support students who are currently working and possess the desire to achieve an advanced degree in the hopes of advancing their careers in the sport industry. The purpose is to have students engage in the broad topics within the sport management discipline in an intense program to provide students a deep level of understanding within each topic. As a result, each student will obtain knowledge in the advanced workings of the management, marketing, leadership, legal, and financial aspects of the sport industry. The executive style of the program allows students to continue to keep working while enrolled in 8-week courses (2 courses per semester)—5-week courses in the summer—and finish the degree in 20 months.

[2] Program Information

[2.1] Mission Statement

The Sport Management program serves as a catalyst for student success to achieve professional advancement within the sport industry. This is achieved through curriculum built on practical application of theoretical and experiential knowledge. Graduates of the program will be prepared to advance in their careers to higher-level management positions in sport organizations, or to begin their career path anew in the sport industry.

[2.2] Course of Study

Students who are admitted to the executive MA in Sport Management program will have completed and submitted a successful application that has gone through the competitive admission process. Students will then complete 30 (non-thesis) graduate credit hours scheduled across a 20-month period. While progressing through the degree students will be exposed to a variety of subjects pertinent to sport management through an engaging and interactive online classroom environment. For course list and progression outline, see § 3 below.

[2.3] Program Admission Requirements

Students must provide the following materials/meet the following criteria.

1. Evidence of a completed baccalaureate degree at the time of application submission. The degree can be in sport management, business management, marketing, psychology, kinesiology, or a related field. Other disciplines will be considered as well on a case by case basis. Prospective applicants may contact the Department of Exercise and Sport Science with questions regarding their baccalaureate subjects.
2. Students must be admitted to the UCA Graduate School and meet all admissions requirements for the School.

3. A minimum of 3 years of industry experience since the completion of the undergraduate degree.
4. Submission of the GRE General Test (with preferable minimum scores of 140 on the verbal reasoning and quantitative reasoning sections each) and GRE General Analytical Writing (with a preferable minimum score of 3.5). GRE scores should be from a test date within the last calendar year at the time of submission.
5. Possession of a cumulative GPA of 2.8 minimum based on a 4.0 scale or possess at least a 3.0 GPA on a 4.0 scale on the last 60 hours of course work.
6. One letter of intent stating why the student is interested in applying for the executive MA in Sport Management program. The letter should state what relevant experience the student has which will help them through the program, what knowledge they can contribute to discussions on course topics, and how the graduate degree will help to advance their career.
7. Two letters of reference stating the student's qualifications for the program and their strengths for potentially becoming a member of the program.
8. A résumé or CV.

Admission to the Sport Management program is competitive, and the entire application packet will be considered. Therefore, a thoroughly strong and complete application packet will have the best opportunity for admission as one of the 25 available candidate positions. Students should not rely on just one aspect of their application packet to gain admission; rather the entire packet will be reviewed and compared to other applicants. The top candidates will be notified of acceptance when the review process has been completed. Students not selected for acceptance will also be notified along with feedback for potential future re-application.

[2.4] Tuition and Fees

Students should check for the most up to date information on tuition and other fees on the UCA Office of Student Accounts page, since fees are subject to change.

[2.5] Program Retention Requirements

To remain in good standing in the program, students must

1. Maintain a cumulative GPA of 3.0 or better on a 4.0 scale.
2. Not have more than three C's throughout the program. A fourth C will result in being withdrawn from the program. Grades of D or F will not count toward completion of the program. Courses with a grade of D or F can be retaken a maximum of one time in order to earn a grade of C or better. If a course is retaken and results in a D or F, the student will be dismissed from the program.
3. Pass the Capstone Course and Exam with a C minimum.
4. Meet all UCA Graduate School requirements for graduation.

[3] Course Progression Outline

Fall 1

EXSS 5305 Sport Management Introduction and Governance (3 credit hours [CH]; eight weeks)
EXSS 5315 Leadership in Sport Management (3 SCH; eight weeks)

Spring 1

EXSS 5325 Financial Principles in Sport Management (3 CH; eight weeks)
EXSS 5335 Sport Marketing Principles and Strategy (3 CH; eight weeks)

Summer

EXSS 5345 Sport Public Relations, Communication, and Crisis Management (3 CH; five weeks)
EXSS 6325 Sport Law Aspects (3 CH; five weeks)

Fall 2

EXSS 6316 Data Analysis (3 CH; eight weeks)
EXSS 6305 Sport Organization Communication (3 CH; eight weeks)

Spring 2

EXSS 6605 Sport Management Capstone Course: Business Simulation (6 CH; full semester)*****, ******

***** The capstone course simulation is performed through Capsim. This course and simulation involves practice rounds (fiscal years) of students managing a business in order to get acclimated to the software and time requirements for running a successful business during the course. Students will be required to run a business successfully (turning a profit, identifying a market niche to position their business in, completing quizzes/performance checkpoints during the semester) during the entire simulation, which will include the practice rounds and then the performance rounds for the semester. At the end of the semester, students will then take the Comp-XM through the Capsim website. This along with their performance during the simulation will encompass how students are evaluated for the course.

****** Students are expected to pass the Capstone course the first time. However, should performance not garner a passing grade during the first attempt, students will be allowed one opportunity to retake the Capstone course. Students needing to retake the course will have to wait until the next Spring semester when the course will be offered again. Failure to pass the course upon a second attempt will result in the student failing to complete the degree program; the student will not be allowed to retake the course a third time.

[4] Graduate Courses in Exercise and Sport Science (EXSS)

Follow this link to EXSS course descriptions: course link.

4. COURSES

The index page for this section of the GBulletin (http://uca.edu/gbulletin/courses/) is not included in this document.

Accountancy

URL: http://uca.edu/gbulletin/courses/accountancy/

[1] Graduate Courses in Accountancy (ACCT)

5312 ADVANCED ACCOUNTING This course covers concepts and problems encountered in business combinations, consolidations, international accounting, segment reporting, and partnerships. This course is open to graduate students who have not had a similar course in their undergraduate program. Prerequisite: ACCT 3312 (or equivalent course).

5316 ADVANCED INCOME TAX This course introduces the taxation of partnerships, corporations, estates and trusts. This course is open to graduate students who have not had a similar course in their undergraduate program. Prerequisite: ACCT 3316 (or equivalent course).

5322 ADVANCED BUSINESS LAW FOR ACCOUNTANTS A study of contract law, agency, commercial paper, business organizations (with an emphasis on partnerships and corporations), secured transactions, real property, bankruptcy, antitrust, fraud, and the legal liabilities of accountants at an advanced level. This course is an elective for students in the Master of Accountancy program. Prerequisite: ACCT 2321 (or equivalent course).

6304 ADVANCED GOVERNMENTAL/NOT-FOR-PROFIT ACCOUNTING A study of the accounting and financial reporting practices of state, local, and federal governmental entities and not-for-profit organizations at an advanced level. This course is open to students who have not had a similar course in their undergraduate program. Prerequisite: ACCT 3311 (or equivalent course).

6309 TAX RESEARCH AND PLANNING A study of the techniques of tax research in solving problems and tax planning techniques. This is a required course. Prerequisite: ACCT 4316 (or equivalent course) or concurrent enrollment in ACCT 5316.

6310 SEMINAR IN ACCOUNTING THEORY A study of accounting theory, the structure of the standard setting bodies and their pronouncements, as well as research methods used to solve accounting problems. IFRS are also examined. This is a required course. Prerequisite: ACCT 3312 (or equivalent course).

6317 SEMINAR IN AUDITING A study of advanced auditing topics and research methods used to solve auditing problems. This is a required course. Prerequisite: ACCT 4317 (or equivalent course).

6319 CORPORATIONS AND SHAREHOLDER TAXATION An advanced study of the taxation of corporations and their shareholders. This is an elective course. Prerequisite: ACCT 4316 (or equivalent course) or concurrent enrollment in ACCT 5316.

6320 SEMINAR IN ACCOUNTING INFORMATION SYSTEMS A study of advanced accounting information systems topics. The course is concerned with the development,

implementation, and security of accounting information systems. This is a required course. Prerequisite: ACCT 3311 (or equivalent course).

6325 INTERNATIONAL ACCOUNTING AND AUDITING A review and contrast of accounting and auditing practices used in different countries. This is an elective course. Prerequisites: ACCT 3312 and ACCT 4317 (or equivalent courses).

6329 PARTNERSHIP/S-CORPORATION TAX An advanced study of the taxation of partnerships and S corporations. This is an elective course. Prerequisite: ACCT 4316 (or equivalent course) or concurrent enrollment in ACCT 5316.

6339 ESTATE AND GIFT TAXATION An introduction to the taxation of estates and gifts. This is an elective course. Prerequisite: ACCT 3316 (or equivalent course).

6340 SEMINAR IN CASE STUDIES IN ACCOUNTING A study of financial and managerial accounting using the case method. Attention is given to the techniques of management control processes and their behavioral considerations. This is a required course. Prerequisite: ACCT 4317 (or equivalent course).

6350 SEMINAR IN ACCOUNTING LEADERSHIP A study of the principles of effective leadership and negotiation skills in accounting. This is a required course.

6390 SPECIAL PROBLEMS IN ACCOUNTING A comprehensive study of a current problem(s) in accounting and auditing. Course content will vary. Enrollment is by consent of the department chair.

Art

URL: http://uca.edu/gbulletin/courses/art/

UCA does not offer a graduate degree in art. Graduate courses in art are designed to aid teachers in developing pedagogy unique to instruction in art or to address specific advanced studio problems.

[1] Graduate Courses in Art (ART)

5V71 ADVANCED STUDIO PROBLEMS (Variable credit: 1-3 credit hours.) Specific art media or topic on current issues and problems in art.

5360 ELEMENTARY ART CURRICULUM An in-depth study of methods and evaluation of the teaching of elementary school art.

5361 SECONDARY ART CURRICULUM An in-depth study of methods and evaluation of the teaching of secondary school art.

Advanced Studies in Teacher Leadership

URL: http://uca.edu/gbulletin/courses/advanced-studies-in-teacher-leadership/

[1] Graduate Courses in Advanced Studies in Teaching and Learning (ASTL)

5302 TEACHING IN THE MIDDLE SCHOOL The basis for middle school organization and appropriate teaching strategies.

5303 THE MIDDLE SCHOOL PSYCHOLOGY, PHILOSOPHY, AND ORGANIZATION The relation of pupil characteristics to middle school organization.

5311 METHODS OF TEACHING CAREER DEVELOPMENT (formerly CAREER ORIENTATION) Discussion of the middle school student characteristics and learning styles and the identification of sources of occupational information for prospective workforce education teachers of career orientation.

5312 LEARNING EXPERIENCES IN CAREER ORIENTATION Techniques and methods of presenting occupational information and processes typical of the world of work in career orientation classes.

5325 APPLICATION OF COMPUTERS IN EDUCATION AND WORK Introduction to the role of the computer in the classroom and the work place through a comparison of existing computer hardware and software.

5340 CULTURAL DIVERSITY: APPLICATIONS FOR CLASSROOMS AND WORKPLACES The course will assist teachers in developing knowledge and awareness of students from different languages and cultural perspectives and prepare them to respect and address those differences in the academic classroom and workplace.

5395 INTRODUCTION TO ADULT EDUCATION Principles of adult education. An overview of the educational needs of adults.

5396 METHODS AND TECHNIQUES OF ADULT EDUCATION Specific methods and techniques used in the teaching of adults.

6V01 ISSUES IN TEACHING (Variable credit: 1-3 credit hours.) Advanced study of contemporary issues and challenges associated with teaching in public schools. Emphasis on causes and application of proposed solutions to specific causes and application of proposed solutions to specific situations. May be repeated one time provided the topic is different for a maximum of six total hours.

6V31 SPECIAL PROJECTS (Variable credit: 1-3 credit hours.) Review of current developments in the teaching of business education.

6302 MODELS OF TEACHING Study of models of instruction.

6303 TEACHER LEADERSHIP Candidates examine the roles and challenges of teacher leadership. Candidates explore topics such as characteristics and styles of leadership, functions of leadership, and the influence of teacher leadership on school culture.

6304 SECONDARY SCHOOL CURRICULUM Principles and techniques in selecting and organizing curricular materials.

6305 CLASSROOM ASSESSMENT This course provides detailed information on (1) the functions of assessment in the classroom, (2) development and administration of teacher-developed assessment techniques and interpretation of their results, and (3) interpretation of externally developed instruments such as published tests.

6306 METHODS & MATERIALS VOCATIONAL EDUCATION Methods and materials to use in teaching courses in vocational education.

6307 METHODS VOCATIONAL BUSINESS & MARKETING Analysis of the concepts, subject matter content, principles, instructional materials, class activities, and methods of evaluation in vocational business and marketing education classes.

6310 INTEGRATING MEDIA AND TECHNOLOGY INTO TEACHING AND LEARNING Designed to cultivate an eclectic approach to integrating media and technology into teaching and learning, this course through discussion, cooperative learning, and individual projects will enable candidates to understand uses of print media, multimedia hardware and software, E-Learning, and video production in the classroom.

6315 INVESTIGATION OF LEARNING AND DEVELOPMENT THROUGH MULTIPLE CONTEXTS This course provides an advanced review of both classic and contemporary research in the three primary domains of development – biological, cognitive, and socio-emotional – and further explores the educational implications of the developmental research while offering concrete educational strategies for facilitating student development.

6320 LITERACY SEMINAR FOR TEACHERS This course is designed to provide a framework for effective professional development of literacy among teachers, thus allowing them to serve as models for their own students. To this end, the course will allow teachers to examine their own literacy through exploration of research on best practice.

6321 FOUNDATIONS OF EDUCATION A study of societal forces and influences as they affect the educational system and its content.

6322 PHILOSOPHIES OF EDUCATION Various systems of educational theory and practice with emphasis on the application of these theories.

6323 SEMINAR Current trends and issues in educational thought and their implications with opportunities for independent research.

6325 NATIONAL BOARD: PROCESSES, PROCEDURES, AND PRODUCTS This course is designed to provide a framework for National Board Standards. Candidates learn strategies for successful descriptive, analytical, and reflective writing in preparation for print and video production and how to decipher the ETS scoring models — how to read and use the rubrics, how benchmarking works, how standards are applied, and what assessors are trained to evaluate.

6330 METHODS OF ACTION RESEARCH AND COLLABORATION Quality methods of action research and strategies for successful collaboration will be internalized through shared professional readings in a social learning context. Once an advanced foundation of action research and collaboration is built, participants will engage in systematic inquiry about and reflection on their personal teaching context.

6335 CURRICULUM DECISION-MAKING Identification and design of components for data retrieval, curriculum decision-making, and curriculum regeneration in a school district.

6380 RESEARCH METHODS Application of scientific method to educational research including nature of research problems in education, theory of research, experimental design, techniques in data gathering, and the interpretation of results. Research reporting and bibliographical techniques.

6382 EDUCATIONAL STATISTICS Overview of statistics, focusing on selected techniques of data analysis.

6385 CURRICULUM DEVELOPMENT Process of curriculum development from the perspective of the classroom teacher.

Biology

URL: http://uca.edu/gbulletin/courses/biology/

[1] Graduate Courses in Biology (BIOL)

5V00 FIELD STUDIES IN BIOLOGY (Variable credit: 1-4 credit hours.) This course is designed to broaden the student's field experience beyond that obtained in regular campus courses through concentrated firsthand observations of organisms and their environments. May be repeated for a maximum of four credit hours. Prerequisite: Consent of instructor.

5V71 INDEPENDENT STUDY (Variable credit: 1-4 credit hours.) Individual work under supervision, designed to supplement regularly organized courses in biology, and independent thesis research.

5205 CONSERVATION EDUCATION Grounded in place-based teaching and using the environment as a context for learning. The course will provide students with activities, lesson plans, and resources in four nationally recognized conservation education curriculum: Project WET, Project WILD, Project Learning Tree, and Leopold Education Project. Upon completion the student will be a certified educator and receive a certification document for each curriculum. This course is designed for undergraduates majoring in Biology and Environmental Science, for graduate students in Biology and Science Education, and for classroom and non-classroom educators seeking ADE professional development credit. The course meets three times over a semester on Friday evenings and Saturdays for training and will conclude with a youth teaching experience.

5210 SEMINAR IN BIOLOGY Ideas, concepts, philosophies, and trends in biological science. Prerequisite: Consent of instructor.

5250 SCANNING ELECTRON MICROSCOPY AND MICROANALYSIS Theory and practice of scanning electron microscopy and microanalysis with training in sample preparation, examination and analysis, and imaging. Students will complete independent research projects. Prerequisites: PHYS 1420 or 1422.

5311 PATHOPHYSIOLOGY Discussion of disruptions in normal physiology, including the alterations, derangements, and mechanisms involved in these disruptions and how they manifest themselves as signs, symptoms, and laboratory findings. Prerequisite: BIOL 2405, 2407, 4460, or consent of instructor.

5320 NEURODEVELOPMENT AND PATHOLOGY This course examines current issues in neuroscience with emphasis on disorders and development of the mammalian central nervous system. Lecture only. Prerequisite: BIOL 2490.

5330 PRINCIPLES OF THE CARDIOVASCULAR SYSTEM Students will analyze heart anatomy and function, how blood flows through the blood vessels, and the impact of the nervous system on cardiovascular function using primary literature. Prerequisite(s): BIOL 3402 with a grade of C or better.

5340 IMMUNOLOGY Cellular and molecular aspects of immunity (humoral and cell-mediated), cells and molecules of the immune system, and the role of the immune system during infections and cancer. Lab teaches contemporary techniques. Prerequisites: BIOL 2490, and BIOL 3402 or 4420.

5351 GENERAL PHARMACOLOGY How the body handles drugs and the effects of the various classes of drugs on body systems, including sites and mechanisms of action, therapeutic effects, side effects, and toxicology. Prerequisite: BIOL 2405, 2407, 4460, or consent of instructor.

5360 ENDOCRINOLOGY Study of the function and functioning of endocrine glands and the brain of the vertebrate body in regard to growth, puberty, reproduction, metabolism, stress, etc. Prerequisite: BIOL 3402.

5376 VIROLOGY This course will expose students to a brief history of the field of virology, as well as the impact of viruses and viral disease on the daily life of human beings. Students will become well-versed in the different methods of enumerating and studying specific viruses and their life cycles. Upon successful completion of this course, students will have a strong foundation for understanding how viruses infect human beings, replicate, cause disease, and are transmitted to other individuals. This material will be useful for students pursuing either a research or a clinical track of future education and career choices. Prerequisites: A grade of C or higher in BIOL 3402 or BIOL 3420.

5390, 5490 SPECIAL TOPICS IN BIOLOGY These courses examine diverse subjects that would otherwise be unavailable through traditional course offerings. Topics will vary.

5400 HISTOLOGY Surveys the microscopic anatomy of the vertebrate body.

5401 INVERTEBRATE ZOOLOGY Survey of the classification, functional morphology, and natural history of the invertebrate animals.

5404 PLANT TAXONOMY The identification, nomenclature, and classification of vascular plants dealing largely with Arkansas flora; emphasis on plant families.

5405 DEVELOPMENTAL BIOLOGY Basic principles of development, covering genetic and cellular regulation of embryogenesis. Lab work includes experimental manipulation of vertebrate and invertebrate embryos.

5406 MAMMALOGY Biology of mammals including systematics, classification, evolution, physiological and behavioral adaptive strategies, conservation, and economic importance. Lab introduces students to Arkansas mammal identification and distribution, and to field study techniques and museum preservation and curation. Prerequisite(s): Required BIOL 3490 (Genetics); Recommended BIOL 3403, and/or BIOL 3410, and/or BIOL 3415.

5407 ORNITHOLOGY Study of birds including classification, identification, evolution, physiological and behavioral adaptive strategies, conservation, management, and economic importance of birds, with an emphasis on North American avifauna. Lab introduces students to bird identification and distribution, and to field study techniques and museum preservation and curation. Prerequisite(s): Required BIOL 3490 (Genetics); Recommended BIOL 3403, and/or BIOL 3410, and/or BIOL 3415.

5410 BIOLOGY OF LOWER PLANTS AND FUNGI The plant kingdom, excluding gymnosperms and angiosperms, with emphasis on the structure and reproductive habits of representatives of major plant groups.

5412 ORGANISMS IN EXTREME ENVIRONMENTS An elective course for biology and environmental science majors. This course will examine the physiology and ecology of eukaryotic organisms that are known to survive major environmental stresses including high and low temperatures, desiccation, osmotic stress, high irradiance and exposure to toxins. Lecture and laboratory. Prerequisites: MATH 2311 (or equivalent statistics course) and BIOL 2490 with a grade of C or better.

5413 CANCER BIOLOGY This course will focus on the molecular and cell biology of cancer. Concepts such as the nature of cancer, malignant transformation, metastasis, oncogenes, signaling, and drug resistance will be covered in an accessible format, supplemented by relevant lab work. Additionally, specific cancer types will be discussed in the context of diagnosis, treatment, and prognosis.

5415 EVOLUTION Biological evolution from the Darwinian and Neo-Darwinian perspective; mechanisms of evolutionary change and overview of the history of life on earth. Prerequisite: BIOL 2490.

5418 BIOLOGY OF THE REPTILIA This course examines the biology, reproduction, ecology, and conservation biology of reptiles. Laboratory exercises emphasize species identification, field techniques, as well as population and community analysis. Prerequisites: BIOL 3403 and 2490 (C or better).

5425 EXPERIMENTAL NEUROBIOLOGY Introduction 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.

5428 ANIMAL PHYSIOLOGICAL ECOLOGY This course examines the various physiological adaptations that animals use to cope with environmental stress. Prerequisites: BIOL 3403 and BIOL 2490 (C or better).

5430 COMPARATIVE VERTEBRATE ANATOMY Comparative gross anatomy of the vertebrates. Laboratory work includes dissection of the dogfish shark, *Necturus*, and cat.

5431 EXPERIMENTAL MOLECULAR BIOLOGY Molecular biology of nucleic acids with an emphasis on biotechnology and genetic engineering. The laboratory experience is a major component of the course. Prerequisite: BIOL 2490 with a grade of C or better.

5435 ANIMAL BEHAVIOR Analysis of animal behavior from an ecological and evolutionary perspective. Prerequisite: MATH 2311 or equivalent.

5440 ENTOMOLOGY A 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.

5442 RESTORATION ECOLOGY: PRINCIPLES AND APPLICATION An elective course for biology majors. The course focuses on the ecological principles used in ecosystem restorations, the application of restoration to different ecosystems, and the evaluation of actual restorations in both terrestrial and aquatic ecosystems. Lecture and laboratory. Prerequisite: BIOL 3403 (C or better).

5445 BIOMETRY Applied biological statistics with an emphasis on experimental design and data analysis. Prerequisite: MATH 2311 or equivalent.

5450 PLANT ECOPHYSIOLOGY Study of the environment's impact on plant physiological processes with emphasis on carbon assimilation and plant water relations. Laboratory work includes learning field methods used in plant ecophysiology.

5455 ICHTHYOLOGY Study of diversity, ecology, life history, and physiology of fishes as well as aspects of fisheries management. The lab will use a systematic approach to study the taxonomic identification of fishes, stressing identification and sampling of southeastern freshwater fishes. Prerequisite: BIOL 2490 (C or better).

5460 ANIMAL PHYSIOLOGY Study of how animals (vertebrates and invertebrates) meet normal functional needs and environmental changes. Laboratory work includes measurements and collection of data using living material. Prerequisite: BIOL 3402.

5461 PARASITOLOGY A course designed to familiarize students with the taxonomy, morphology, ecology, and life cycles of animal parasites.

5465 ENVIRONMENTAL TOXICOLOGY An introduction to the fate, toxicity, and effects of contaminants in ecological systems. Students will gain an understanding of the properties and behavior of major classes of chemicals, toxicity testing procedures, concepts and application of ecological risk assessment for regulation, and current issues in the field. Prerequisites CHEM 1451; MATH 2311, PSCI 3312, or PSYC 2330; BIOL 2490 or permission of instructor.

5470 BIOLOGY OF SEED PLANTS Life cycles, external structure, anatomy of gymnosperms and angiosperms.

5475 ADVANCED CELL BIOLOGY This course explores advanced concepts in cell function and cell communication by introducing topics including but not limited to cytoskeletal function, the extracellular matrix, apoptosis, cell division, and motility. This course emphasizes the molecular basis of cellular function and communication and considers how they relate to overall function of both unicellular and multicellular eukaryotic organisms. Prerequisite: BIOL 3402 (C or better).

5480 HISTORY OF LIFE An elective for biology majors. This course is an introduction to paleobiology, the study of Earth's life as preserved in the fossil record. Topics will include the fundamentals of historical geology, geologic dating and correlation, the major groups of animals, plants, and microorganisms at different periods in the past, the reconstruction of past environments, and the use of fossil and geological evidence in studying environmental change. Lecture and laboratory. Prerequisite: BIOL 2490.

6V01 THESIS RESEARCH (Variable credit: 1-4 credit hours.) A maximum of six credit hours will count towards a degree.

6V71 INDEPENDENT STUDY (Variable credit: 1-4 credit hours.) Individual work under supervision, designed to supplement regularly organized courses in biology, and independent thesis research.

6V95 SPECIAL TOPICS IN BIOLOGY (Variable credit: 1-4 credit hours.) This course examines diverse subjects that would otherwise be unavailable to graduate students through traditional course offerings. Topics will vary.

6102 GRADUATE SEMINAR Skills and understanding pertaining to independent work at the graduate level. An emphasis is placed on written and oral communication in the sciences. This seminar may repeated, with different content, for up to 3 credit hours.

6290 BIOLOGICAL LITERATURE Use of abstracts, journals, and reference books in biology to prepare a comprehensive literature review and seminar. Prerequisite: Consent of advisory committee.

6376 ADVANCED IMMUNOLOGY Currents topics in transplantation immunology, oncological (cancer) immunology, and autoimmunity will be discussed with examination and presentation of current peer-reviewed literature. Prerequisites: BIOL 3402 and 5340 (or instructor permission).

6382 RECENT ADVANCES IN MOLECULAR BIOLOGY Literature-based course focused on molecular and cellular biology.

6430 PROTEIN AND ENZYME BIOLOGY In-depth study of proteins and enzymes, including protein engineering. Emphasis is placed on the laboratory experience.

6440 ADVANCED DEVELOPMENTAL BIOLOGY Advanced studies of animal and plant development at the molecular, cellular, and tissue levels.

6442 AQUATIC ECOLOGY A study of the physical, chemical, and biological characteristics of bodies of water and the interrelationships of these characteristics.

6443 ADVANCED ECOLOGY Contemporary ideas and practices in several subdisciplines within ecology. Prerequisite: BIOL 3403.

6450 SYSTEMATICS AND CLASSIFICATION An in-depth study of the methods and underlying philosophies of classifying organisms, emphasizing phylogenetic approaches. Application to the study of evolution, ecology, genetics, biogeography, behavior, and conservation.

6455 REGULATORY PHYSIOLOGY Some environmental influences on animals and plants and their responses to these influences. Prerequisite: BIOL 4450 or 4460.

6480 ADVANCED GENETICS A course designed to follow one in elementary genetics. Special emphasis is placed upon molecular aspects of the subject. Prerequisite: A course in elementary genetics.

Biology Gulf Coast Research Laboratory Courses

URL: http://uca.edu/gbulletin/courses/biology-gulf-coast-research-laboratory-courses/

[1] Gulf Coast Research Laboratory Courses

The Department of Biology is affiliated with the Gulf Coast Research Laboratory at Ocean Springs, Mississippi. The following graduate courses may be taken there for credit in the student's UCA program.

Number	Title	SCH
503	Marine Invertebrate Zoology	3
503L	Marine Invertebrate Zoology Lab	3
504	Parasites of Marine Animals	3
504L	Parasites of Marine Animals Lab	3

Number	Title	SCH
505	Marine Ecology	3
505L	Marine Ecology Lab	2
506	Fauna/Faunistic Ecology Tidal Marshes	1
506L	Fauna/Faunistic Ecology Tidal Marshes Lab	3
507	Marine Aquaculture	3
507L	Marine Aquaculture Lab	3
508	Marine Ichthyology	3
508L	Marine Ichthyology Lab	3
509	Marine Microbiology	3
509L	Marine Microbiology Lab	2
520	Marine Phycology	2
520L	Marine Phycology Lab	2
521	Coastal Vegetation	2
521L	Coastal Vegetation Lab	1
522	Salt Marsh Plant Ecology	2
522L	Salt Marsh Plant Ecology Lab	2
523	Marine Mammals	2
523L	Marine Mammals Lab	2
530	Comparative Histology of Marine Organisms	3
530L	Comparative Histology of Marine Organisms Lab	3
590	Special Problems in Marine Science	TBA
590L	Special Topics in Marine Science	TBA

Community and Economic Development

URL: http://uca.edu/gbulletin/courses/community-and-economic-development/

The MS program in Community and Economic Development is no longer accepting students. Courses remain to serve students completing the program. For program requirements, see the 2016-2017 Graduate Bulletin: Community and Economic Development.

[1] Graduate Courses in Community and Economic Development (CED)

6101 COMMUNITY AND ECONOMIC DEVELOPMENT INSTITUTE I This course is the academic equivalent to Year I of UCA's Community Development Institute (CDI) and is an elective course for the MSCED. CDI offers applied training to elected officials, board members, staff professionals, and interested citizens in a broad spectrum of topics in the field of community and economic development. The instruction is a combination of classroom lecture, discussion groups, simulations, and field trips. Prerequisites: Graduate standing.

6102 COMMUNITY AND ECONOMIC DEVELOPMENT INSTITUTE II This course is the academic equivalent to Year II of UCA's Community Development Institute (CDI) and is an elective course for the MSCED. CDI offers applied training to elected officials, board members, staff professionals, and interested citizens in a broad spectrum of topics in the field of community and economic development. The instruction is a combination of classroom lecture, discussion groups, simulations, and field trips. Prerequisites: Graduate standing and completion of CED Institute I.

6103 COMMUNITY AND ECONOMIC DEVELOPMENT INSTITUTE III This course is the academic equivalent to Year III of UCA's Community Development Institute (CDI) and is an elective course for the MSCED. CDI offers applied training to elected officials, board members, staff professionals, and interested citizens in a broad spectrum of topics in the field of community and economic development. The instruction is a combination of classroom lecture, discussion groups, simulations, and field trips. Prerequisites: Graduate standing and completion of CED Institute I & II.

6V16 RESEARCH PROJECTS (Variable credit: 1–3 credit hours.) A graduate elective. Students will undertake guided research in a topic related to community development and/or economic development. Students will draw on their skills to write a review of literature, construct a research question, gather and analyze qualitative or quantitative data, and create a significant final document. Prerequisite: consent of the MSCED director.

6301 PROJECT MANAGEMENT This course relies on the Project Management Body of Knowledge to provide an overview of practices, tools, and strategies employed in project management with applications for community development and/or economic development. This course is taught from a non-profit managerial standpoint, and incorporates scheduling, risk analysis, and other quantitative and information technologies.

6302 LEADERSHIP COMMUNICATION IN ORGANIZATIONS This course explores the intersection between the practices of leadership and communication in the organizational context. The course challenges students to assess and improve their own communication competencies in light of common organizational leadership opportunities and challenges. Prerequisite: Graduate standing.

6305 INTRODUCTION TO COMMUNITY AND ECONOMIC DEVELOPMENT This course will be an introduction and overview for the field of community and economic development. This course is a required course for the MSCED. Topic coverage is designed to focus on the macro perspective of economic development and cover such areas as developing social capacity and other community building processes critical to success in economic development. Prerequisites: Graduate standing.

6310 COMMUNITY AND ECONOMIC DEVELOPMENT SEMINAR A special topics seminar that addresses one or more underlying principles of economic and/or community development at the

local, regional, national, or global levels. Through an interactive learning style, the course combines development theory and case studies.

6311 LEADERSHIP AND DECISION-MAKING This course will provide the opportunity for participants to develop a firm working concept of leadership and its role in community development. Upon completion of the course the participant should be able to identify and discuss the role of leadership in the community development process and to apply leadership principles to community development processes.

6313 TRANSPORTATION AND INFRASTRUCTURE This course is a study of the economic environment of those industries involved in transportation and infrastructure. Current techniques of analysis, and regulation issues.

6315 APPLIED RESEARCH METHODS AND DATA ANALYSIS Application of scientific method to research including nature of research problems, theory of research, experimental design, techniques in data gathering, and the interpretation of results. Research reporting, bibliographic techniques and basic statistical methods are included.

6318 BUDGETING The course is designed to provide a broad overview of budgeting and finance in order to improve student's understanding of how budgeting affects decisions. Public managers, regardless of level of bureaucracy, must deal with a variety of budgetary and revenue information when making daily decisions. Much of that information indicates how effectively they will be able to manage and how others will perceive the way they manage. This course will introduce the nature and character of public sector/non-profit organization budgeting, how managers can more effectively use such information, and the limitations associated with such information.

6320 HOLISTIC PLANNING AND THE COMMUNITY An introduction to planning with reference to applications in the field of community development, including the underlying principles of planning as a discipline.

6330 COMMUNITY DEVELOPMENT POLICY ANALYSIS A general introduction to the field of public policy analysis.

6335 GRANT WRITING This course addresses the development of grants and contracts and presents an overview of identifying funding sources. One key to development is the availability of resources, human and non-human. Grant writing can provide those resources by matching local resources with resources available from the public, private, and non-profit sectors of society. This course will provide the student with a general understanding of the process, as well as detailed information about grants in the community development field.

6340 ECONOMIC AND INDUSTRIAL DEVELOPMENT An introduction to the field of industrial and economic development as a discipline of study including the underlying principles of that field.

6350 FINANCING COMMUNITY AND ECONOMIC DEVELOPMENT This course provides a broad overview of government budgeting, develops an understanding of how budgeting affects government decisions, and explores the relationship of government budgeting to community development.

6360 CULTURAL DIFFERENTIATION AND OUTREACH This course will focus on similarities and differences of humanity with the intention of discovering the "true value" of the individual.

6370 COMMUNITY AND ECONOMIC DEVELOPMENT INTERNSHIP This course provides an opportunity to apply the knowledge being acquired through the course of study in the MS in CED program in a real-world setting by active employment in a community development organization or agency involved in the development process.

Chemistry

URL: http://uca.edu/gbulletin/courses/chemistry/

UCA does not offer a graduate degree in chemistry. Graduate courses in chemistry are designed to aid secondary school science teachers in their pursuit of an understanding of the logical development of the sciences and scientific inquiry method, to provide them with a comprehensive background to modern theories in chemistry, and to develop pedagogy unique to instruction in the physical sciences.

[1] Graduate Courses in Chemistry (CHEM)

5V09 SPECIAL PROBLEMS IN CHEMISTRY (Variable credit: 1-3 credit hours.)

5121 BIOCHEMISTRY LABORATORY A laboratory course in modern biochemical techniques investigating proteins, nucleic acids, carbohydrates, and lipids. Four hours of laboratory per week. Prerequisite: CHEM 3411; Pre- or Corequisite: CHEM 4320 or 5320

5320 BIOCHEMISTRY I 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 lecture per week. Prerequisite: Grade of C or better in CHEM 3411.

5351 ENVIRONMENTAL CHEMISTRY Survey of important environmental issues with sound scientific principles as a basis. Energy, the atmosphere, the hydrosphere, and the biosphere will be covered. Three lectures per week. Prerequisites: CHEM 3411 and 3520.

5380 ADVANCED INORGANIC CHEMISTRY Theories and concepts of modern inorganic chemistry. Prerequisite: CHEM 4450.

5450 PHYSICAL CHEMISTRY I Modern theoretical chemistry with laboratory applications; quantum mechanics and spectroscopy. Three lectures and three hours of laboratory per week. Prerequisites: CHEM 1451, PHYS 1420, and MATH 2561.

5451 ADVANCED ANALYTICAL CHEMISTRY Modern methods of analysis, stressing instrumentation. Two lectures and six hours of laboratory per week. Prerequisite: CHEM 3520.

5460 PHYSICAL CHEMISTRY II Continuation of CHEM 5450. Thermodynamics, kinetics, and electrochemistry. Three lectures and three hours of laboratory per week. Prerequisite: CHEM 5450.

Counseling (COUN)

URL: http://uca.edu/gbulletin/courses/psychology-and-counseling-coun/

[1] Graduate Courses in Counseling (COUN)

6V41 INTERNSHIP IN COUNSELING (Variable credit: 3 or 6 credit hours.) On-the-job experience in counseling. Prerequisite: Practicum experience and successful completion of comprehensive exams.

6302 SEMINAR IN SCHOOL TESTING Discussion pertaining to testing, using standardized measuring devices in the areas of intelligence, interests, personality, and special aptitudes.

6305 SEMINAR IN SCHOOL COUNSELING Designed to provide counselor trainees with the opportunity to explore topics fundamental to guidance services. Prerequisite: Consent of instructor.

6307 PRACTICUM IN SCHOOL COUNSELING I Supervised experience in counseling. Prerequisite: Consent of instructor. Must make arrangements prior to registration.

6308 PRACTICUM IN SCHOOL COUNSELING II Supervised experience in counseling. Prerequisite: Consent of instructor. Must make arrangements prior to registration.

6315 CURRENT PRACTICES IN WORKFORCE EDUCATION Survey of vocational education practices for school counseling personnel.

6322 ORGANIZATION AND MANAGEMENT OF GUIDANCE PROGRAMS Overview of various facets of school guidance, including organization, philosophical, and psychological foundations.

6334 ANALYSIS OF THE INDIVIDUAL Appraisal of the individual through objective tests, interviews, and other data gathering devices.

6342 CAREER EDUCATION AND VOCATIONAL DEVELOPMENT Provides an overview of major career development theories and practical application for counselors, school counselors, and state agency personnel which will enable them to assess and counsel more effectively with students regarding vocational endeavors.

6350 COUNSELING PROCESS AND SKILLS To develop in the counselor-in-training fundamental attending and listening skills necessary for all counseling, and to encourage self-exploration within the major theoretical approaches. Prerequisite: PSYC 6354.

6360 RESEARCH METHODS IN COUNSELING Fundamentals of research in counseling. Formulate hypotheses, collect data, analyze data, and draw conclusions. Areas covered: basic statistics, ex post facto research, experimental design, and writing research papers.

6361 PROBLEMS IN COUNSELING I Specific problems in counseling to be worked out with advisor or instructor prior to enrolling. A minimum of 80 clock hours work in an approved facility.

6362 PROBLEMS IN COUNSELING II Specific problems in counseling to be worked out with advisor or instructor prior to enrolling. A minimum of 80 clock hours work in approved facility.

6381 PRACTICUM IN COUNSELING I Supervised experience in counseling. Prerequisite: Consent of instructor and minimum of 15 semester hours including PSYC 6354, COUN 6350, and PSYC 5320 or PSYC 6314. Must make arrangements prior to registration.

6382 PRACTICUM IN COUNSELING II Continuation of COUN 6381. Prerequisite: COUN 6381 and consent of instructor. Must make arrangements prior to registration.

6395 PRACTICUM IN MARRIAGE AND FAMILY THERAPY Supervised counseling practicum experiences with family systems and subsystems.

Creative Writing

URL: http://uca.edu/gbulletin/courses/creative-writing-crwr/

Creative Writing courses used the WRTG subject prefix through summer 2017.

[1] Graduate Courses in Creative Writing (CRWR)

5320 TEACHING CREATIVE WRITING: HISTORY, THEORY AND PRACTICE This course is designed for students who may be teaching creative writing or including creative writing in their curriculum at the K-University levels. Areas to be covered include the history of creative writing pedagogy, up to and including modern pedagogical approaches to the field. In addition to discussion and lectures, students will observe and describe creative writing classes at levels pertinent to their teaching interests and develop an integrated practice lesson. This course will be a more rigorous study of teaching creative writing than the undergraduate course in that it requires semester-long research for a major paper and more in depth readings on the complex issues involved.

5324 ADVANCED SPECIAL TOPICS IN CREATIVE WRITING This required course for the MFA in Creative Writing offers an in-depth investigation of a significant figure, historical period, issue, trend, group, school, movement, genre or subgenre of Creative Writing. Possible topics include: eco-writing, screenplay writing, literary translation, illustrated narrative, genre writing, writing for children, travel writing, writing for new media, etc. Content varies. Course may be repeated for credit. Lecture, discussion, research, with a possible workshop component. Students gain an advanced knowledge of subject matter, including key criticism. May be repeated for credit with a change in topic.

6V80 ADVANCED DIRECTED STUDY IN CREATIVE WRITING (Variable credit: 1–3 credit hours.) This course provides opportunities for advanced study of specific topics in Creative Writing. It is designed for students who have completed 18 hours of graduate courses in the MFA program wanting to study specific topics not offered in the curriculum. The student and professor design the course of study together, establish goals and a timeline, and agree on a reading list and guidelines for research and the final project. Students gain an advanced knowledge of an approach, school, method of research, specific writer, or subject matter. May be repeated for credit with a change in topic.

6V85 ADVANCED INTERNSHIP IN CREATIVE WRITING (Variable credit: 1–3 credit hours.) This course emphasizes professional writing experience from work sites either within or outside the university. Interns are supervised by Writing Department graduate faculty and/or work site managers. The internship is designed for students seeking on-the-job experience and college credit, but students may also work for pay if the position offers compensation. The student and advisor establish goals and a timeline and create a learning contract. Research and a reading list may be required. Students gain practical experience, master technical aspects of various positions, and become familiar with career opportunities. Offered for 1 to 3 credit hours with consent of

Department Chair and in collaboration with the Department Internship Coordinator. May be repeated for credit with a change in internship responsibilities.

6300 THE MFA EXPERIENCE: A PROFESSIONAL DEVELOPMENT SEMINAR This foundational required course in the MFA program in Creative Writing provides insight into how MFA candidates can best develop professionally. Taught through a series of discussions and in-depth analyses of relevant issues and texts, it introduces students to resources that will augment research and increase productivity. The course will cover approaches to building a career as a literary artist, and will include discussions of ethics, invention techniques and creativity theory. The professional development elements of the course will include: networking, exploring arts opportunities and grants, submitting for publication, preparing CVs and cover letters, and exploring other dynamics in the job search. Discussion, lecture, with a workshop component.

6325 ADVANCED FORMS AND THEORY OF POETRY This is a comprehensive examination of formal, contemporary and emerging elements of the literary art of writing poetry, with an emphasis on the study of poetics and theory, prosody, traditional and contemporary styles and techniques, cross-genre applications, craft, and other technical aspects of the art. Upon completion of the course, students will be familiar with and adept at composing verse in multiple forms and generating hybrid styles of poetic articulation. Students will also be prepared to authoritatively evaluate and engage in sophisticated discussions on contemporary authors and issues in the genre. Discussion, lecture, with a workshop component. May be repeated for credit with a change in topic and approval from the department chair and advisor.

6335 ADVANCED FORMS AND THEORY OF FICTION This course will provide an in-depth consideration of the theory and practice of the many forms of fiction writing, which may include flash fiction, magical realism, episodic fiction, experimental fiction, metafiction, and genre writing. Subjects will be determined by instructor interest and expertise. Upon completion of the course, students will be familiar with and adept at composing and analyzing various forms of fiction. Students will also be prepared to engage in sophisticated discussions on contemporary authors and issues in the genre. Discussion, lecture, with a workshop component. May be repeated for credit with a change in topic and approval from the department chair and advisor.

6345 ADVANCED FORMS AND THEORY OF NONFICTION This course will provide an in-depth consideration of the theory and practice of various forms of creative nonfiction, which may include memoir, reviews, travel writing, the lyric essay, literary journalism, environmental writing, and literary hybridization. Subjects will be determined by instructor interest and expertise. Upon completion of the course, students will be familiar with and adept at composing literary nonfiction in multiple forms. Students will also be prepared to authoritatively evaluate and engage in sophisticated discussions on contemporary authors and issues in the genre. Discussion, lecture, with a workshop component. May be repeated for credit with a change in topic and approval from the department chair and advisor.

6370 ADVANCED POETRY WORKSHOP This is a graduate workshop course focusing on the writing of original poetry. Students will present drafts of work for peer review and discussion and will submit a portfolio of rigorously revised material at the end of the course. Class time will be devoted to critical analysis, discussion of poetics and technique, innovative exercises, and publishing strategies. Students will gain extensive experience in the workshop process and arrive at a voice, style and/or artistic approach that employs creative and critical faculties to create unique works of

literature. May be repeated for credit with a change in topic and approval from the department chair and advisor.

6371 ADVANCED FICTION WORKSHOP This is a graduate workshop course focusing on the writing of original fiction. Students will present drafts for peer review and discussion and submit a portfolio of rigorously revised material at the end of the course. Class time will be devoted to critical analysis, innovative exercises, and publishing strategies. Students may workshop novels, novellas, short stories, and literary hybrids. Students will gain extensive experience in the workshop process and arrive at a voice, style and/or artistic approach that employs creative and critical faculties to create unique works of literature. May be repeated for credit with a change in topic and approval from the department chair and advisor.

6372 ADVANCED CREATIVE NONFICTION WORKSHOP This is a graduate workshop course focusing on the writing of original creative nonfiction. Students will present drafts for peer review and discussion and will submit a portfolio of rigorously revised material at the end of the course. Class time will be devoted to critical analysis, innovative exercises, ethics and trends in the discipline, and publishing strategies. Students will gain extensive experience in the workshop process and arrive at a voice, style and/or artistic approach that employs creative and critical faculties to create unique works of literature. May be repeated for credit with a change in topic and approval from the department chair and advisor.

6373 NOVELLA WORKSHOP The Novella Workshop is a course designed to increase the understanding of the novella form, help develop a critical awareness of how novellas work, and enable the student to write one of their own. Students will study at least ten novella-length works from different cultural traditions, learn to analyze and critique them, and write their own novellas, which will be extensively workshopped in class. May be repeated for credit with a change in topic and approval from the department chair and advisor. Prerequisite: CRWR 6335.

6390 EDITING AND PUBLISHING This required course for the MFA in Creative Writing is designed to provide practical and applicable experience in editing and publishing for creative writers in the MFA program. Students will work with innovative technology and state-of-the-art design software to edit, lay out, and ultimately publish a professionally produced anthology of their own work in order to promote themselves, their peers, and the program. Students will study the dynamics and trends of the publishing world as well as marketing and submission strategies and meet with experienced editors and publishers. Learning outcomes include becoming adept at the collaborative process of publishing a book and arriving at a sophisticated knowledge of the publishing industry from the perspective of both editor and writer. Lecture, discussion, workshop.

7V80 THESIS RESEARCH (Variable credit: 1–9 credit hours.) This is the culminating required course for candidates for the Creative Writing MFA degree. Each student will be responsible for researching, writing and ultimately creating a creative book-length manuscript appropriate to the genre of choice, with a critical introduction. Students will work independently while periodically seeking the assistance and approval of members of their thesis committee. Enrollment is contingent upon the successful completion of 36 credits of course work and pre-approval of the thesis committee. MFA candidates are expected to enroll for a total of 9 hours minimum and must enroll for thesis research credit each term until they successfully defend their theses, typically in their final semester. If the thesis committee does not approve the thesis, a student may register for this course again, provided he or she does not receive a D or less in the course. The learning outcome of thesis research is naturally and literally a mastery of the fine arts in Creative Writing.

Computer Science – Applied Computing

URL: http://uca.edu/gbulletin/courses/computer-science-applied-computing/

[1] Graduate Courses in Computer Science (CSCI)

5V75 INTERNSHIP (Variable credit, 1-6 credit hours.) An elective course for graduate students in the Applied Computing program. The student enrolled in this course will engage in work related to computer science for an industry, business, or government entity for at least 10 hours per week for a semester. May be repeated for credit with a change in internship responsibilities.

5V97 SPECIAL TOPICS (Variable credit: 1-3 credit hours.) This course will address a focused topic, particularly recent development, in the field of applied computing. Topics will vary from semester to semester. This course may be repeated for credit with the prior approval of the graduate advisor. Prerequisite: consent of instructor.

5191 SEMINAR IN APPLIED COMPUTING Investigation of current development in applied computing by attending and giving presentations supervised by a graduate faculty member. Prerequisite: Consent of instructor.

5300 OPERATING SYSTEMS Introduction to operating systems, historical development, serial batch systems, multiprogramming systems, time-sharing systems, real-time systems, control programs, job control language, job management, task management, data management, interrupt handling, and concepts of telecommunication. Prerequisite: CSCI 2440 Assembly Language and Computer Organization and CSCI 3330 Algorithms or consent of instructor.

5305 LINUX/UNIX SYSTEMS An elective course for upper level Computer Science majors. Topics include Linux operating environment and architecture, command line Linux utilities, application development under Linux, virtualization, building and using libraries, POSIX threads programming, synchronization and semaphores, shared memory programming, advanced file handling, regular expressions, shells and shell scripting in various languages. Prerequisite: CSCI 2320 Data Structures.

5310 INTRODUCTION TO SCIENTIFIC COMPUTING Topics in modeling scientific computing problem, algorithm development, numerical methods, software tools, and implementation. Prerequisite: Consent of instructor.

5315 INFORMATION SECURITY This course introduces the basic concepts, principles, and the state-of-the-art technologies in the realm of computer/network security and information assurance. It introduces topics ranging from cryptographic techniques to trusted systems to multilevel security to network security to ethics in the computing profession. Students will learn fundamental concepts of security that can be applied to many traditional aspects of computer programming and computer system design. Prerequisite: CSCI 3330 Algorithms or consent of instructor.

5320 COMPILER CONSTRUCTION Mathematical foundations of compilers, grammars, trees, parsing fundamentals, finite-state automata, top-down parsing, bottom-up parsing, syntax-directed translation, symbols tables, run-time machine models, object code generation, and optimization techniques. Prerequisite: CSCI 3370 Principles of Programming Languages or equivalent.

5325 CONCURRENT PROGRAMMING A study of the algorithms, data structures, and programming techniques of concurrent computation. Topics covered include principles of parallel hardware, principles of concurrent system design, communication topologies, the development, measurement, and tuning of concurrent programs, design of concurrent algorithms, performance metrics for concurrent systems, and special problems with distributed concurrent systems. Prerequisite: CSCI 3330 Algorithms.

5330 THEORY OF COMPUTATION An elective course for graduate students. Topics include abstract basis of machines and programming, automata, context free grammars and Turing machines. Chomsky hierarchy, computability, and computational complexity. Prerequisite: MATH 2330 Discrete Structures I or equivalent.

5353 MULTIMEDIA COMPUTING This course covers the concepts, principles, and state-of-the-art technologies related to multimedia computing, including graphics, audio, image, video, animation, text, etc. Topics will include multimedia information capture, digitization, compression, network communication, and practical applications. Prerequisite: Consent of instructor.

5357 PROGRAMMING MOBILE DEVICES An elective course for Computer Science majors. This course covers the development of applications for network-enabled mobile devices. Topics include: memory management, custom user interface development, event handling, animation using 2-D/3-D graphics, audio and video application programming, and data storage/persistence. Prerequisite: CSCI 3381 Object-Oriented Software Development with Java or equivalent.

5365 WEB TECHNOLOGY This course is designed to familiarize students with concepts and techniques surrounding the building of distributed internet web-based applications. The course will introduce interactive client-server web applications that can be built using various types of Internet technologies. The demonstration of database-driven web sites is performed with the software architecture involved in each tier explored in detail. Common-Gateway-Interfaces are implemented for processing both client and server output data. Security issues and strategies pertaining to an enterprise-wide web-based application are examined and implemented. Prerequisite: CSCI 3330 Algorithms or equivalent.

5370 DATA MINING This course introduces the basic concepts, principles, and the state-of-the-art technologies for Data Mining including Introduction of Data Mining, Data Preprocessing, Data Warehouse, Association Rules, Classification, and Clustering. Specific applications in financial data and Bioinformatics are included. Prerequisite: CSCI 3360 Database Systems or equivalent.

5381 ADVANCED JAVA PROGRAMMING This course covers the development of network-enabled applications, website deployment, and mobile applications built using the Android Platform. Topics include advanced client-server techniques using Java networking features, website deployment using the Java Server Programming Interface, and Android mobile application development consisting of custom user interfaces, 2-D animations, and multimedia integration. Prerequisite: CSCI 3381 Object-Oriented Software Development with Java or equivalent.

5385 ARTIFICIAL INTELLIGENCE Topics include deduction, reasoning, problem solving, knowledge representation, planning, machine learning, natural language processing, motion and manipulation (robotics), perception (machine perception, computer vision, and speech recognition), social intelligence (affective computing). Prerequisite(s) CSCI 3330 Algorithms or equivalent.

6V99 MASTER'S PROJECT/THESIS (Variable credit: 1-6 credit hours.) This course is intended to meet the project/thesis requirement for the degree. Topics are chosen in consultation with an advisor. Up to six credit hours maybe applied toward the degree. Prerequisite: 18 hours of credit applicable toward the degree.

6300 DISTRIBUTED OPERATING SYSTEMS I Topics include process synchronization, language mechanism for concurrency, deadlock, virtual memory, distributed systems concepts and architecture, layered systems, distributed process management, and associated algorithms. Prerequisite: CSCI 5300 Operating Systems or equivalent.

6305 DISTRIBUTED OPERATING SYSTEMS II Continuation of topics in CSCI 6300 covering distributed processes (synchronization, communication, and scheduling), distributed resources (files and memory), distributed computer security, and associated distributed algorithms. Prerequisite: CSCI 6300 Distributed Operating Systems I or equivalent.

6310 ADVANCED DATA MINING An elective course for the MS in Applied Computing degree program. Topics include data mining tools, cost-sensitive learning, active learning, semi-supervised learning, ensemble techniques, multi-instance learning, multi-label learning, noise handling, and multiple noisy label learning in advanced data mining. Prerequisite: CSCI 3330 Algorithms or equivalent.

6330 TOPICS IN ALGORITHMS Topics include analysis of sequential and parallel algorithmic strategies, algorithms in compression, cryptology, geometric, approximation, NP-Completeness. Prerequisites: CSCI 3330 Algorithms or equivalent.

6335 TOPICS IN NETWORKING Topics in advanced network architectures, packet switching and routing technologies, local area networks and medium access control, wide area networks and internetworking protocols, network design and performance analysis. Prerequisites: CSCI 3335 Networking or equivalent.

6350 TOPICS IN COMPUTER GRAPHICS More advanced features of 3D computer graphics and OpenGL, including texture mapping, curved surfaces, and frame buffer manipulation. Prerequisites: CSCI 4350 Computer Graphics and MATH 3320 Linear Algebra or equivalent.

6355 EXPERT SYSTEMS This course covers the basic principles of expert systems development and studies prominent examples of successful commercial expert systems. Prerequisites: CSCI 3385 Artificial Intelligence or equivalent.

6360 ADVANCED THEORY OF COMPUTATION Context-free languages and push-down automaton, Turing machines, formal languages, complexity theory, combinatorial and geometric algorithms, and computation complexity. Prerequisite: CSCI 3330 Algorithms and MATH 3330 Discrete Structures II or equivalent.

6370 TOPICS IN DATABASE SYSTEMS Study of algorithms and performance in advanced databases. Systems include parallel, distributed, and client-server databases; applications include data mining and on-line analytical processing. Prerequisites: CSCI 4370 Data Mining or equivalent.

6371 APPLIED DATA MINING An elective course for the MS program in Applied Computing. Topics include data analytics, data science and problems solutions, neighbors and clusters, predictive models and fitting a model to data, and business strategies. The application of data mining in different domain areas, such as Bioinformatics and Business Informatics, will also be emphasized. Prerequisite: CSCI 4370 or 5370; or consent of instructor.

6375 COMPUTER NETWORK PERFORMANCE ANALYSIS Methods for evaluating the performance of communication networks with emphasis on modeling, mathematical analysis, computer simulation, and measurement. Prerequisites: CSCI 6335 Topics in Networking or equivalent.

6380 ADVANCED COMPUTER ARCHITECTURE Topics concerning very high performance computers including techniques exploiting parallelism in single and multiple processor systems, design methodology for advanced computer systems, and hardware description language. Prerequisites: CSCI 3380 Computer Architecture or equivalent.

6381 TOPICS IN OBJECT-ORIENTED SOFTWARE DEVELOPMENT This course investigates the application of software development to large systems with the emphasis on object-oriented design. Students learn object-oriented principles from practical experience through the development group projects of large systems. Prerequisites: CSCI 3381 Object-Oriented Software Development with Java or equivalent.

6385 TOPICS IN ARTIFICIAL INTELLIGENCE Knowledge representation, machine learning, problem solving, pattern analysis, natural language processing, vision and robotics, neural networks. Prerequisites: CSCI 3385 Artificial Intelligence or equivalent.

6390 TOPICS IN SOFTWARE ENGINEERING The process of developing software systems. Includes development of processes, their instantiation in actual product development, and techniques ensuring quality of developed products. Prerequisites: CSCI 4490 Software Engineering or equivalent.

6395 INDEPENDENT STUDY A student may undertake a course of study under the supervision of a consenting graduate faculty member. Students who request to take the course should provide a written statement of the content of the course and a tentative reading list. A literature review, project report, or other written product is normally required. This course is offered only in areas of importance but insufficient demand to justify a regular course. May be repeated for credit with instructor permission.

6397 SPECIAL TOPICS The course will address a variety of topics in applied computer science, particularly those addressing recent developments in the field. Topics will vary from semester to semester. This course may be repeated for credit with the prior approval of the graduate advisor. Prerequisite: Consent of instructor.

Communication Sciences and Disorders

URL: http://uca.edu/gbulletin/courses/communication-sciences-and-disorders-csd/

[1] Graduate Courses in Communication Sciences and Disorders

5307 ADVANCED SIGN LANGUAGE Emphasis placed on expressive and receptive use of American Sign Language (ASL). A written paper required on research about ASL.

6V13 SPECIAL PROBLEMS (Variable credit: 1-3 credit hours.) Problems in Speech Pathology to be determined by the needs of students who enroll. Prerequisite: Graduate status.

6V36 THESIS (Variable credit: 1-3 credit hours.) This phase of the thesis process includes the completion of the data collection, writing and discussing the results, and defending the thesis. Prerequisite: CSD 6302.

6V80 ADVANCED CLINICAL PRACTICUM I (Variable credit: 1-6 credit hours.) Supervised participation in evaluation and therapeutic management of a variety of communication disorders. Assignments based on prerequisite course work and experience.

6101 CLINICAL PROFESSIONAL SEMINAR I Orientation to the UCA Speech-Language-Hearing Center's graduate practicum including the study of the supervisory process, clinical protocols, and diagnostic procedures. Prerequisite: Consent of instructor.

6105 CLINICAL PROFESSIONAL SEMINAR II The study of the relationship between research and clinical practice in speech-language pathology and includes a heavy focus on evidence-based practice.

6221 CULTURAL DIVERSITY AND COUNSELING IN COMMUNICATION SCIENCES AND DISORDERS This course is designed to provide graduate students in Communication Sciences and Disorders with an overview of concepts of multiculturalism, the principles of counseling people with communication disorders and their families, and the specific ways these influence professional practice.

6302 RESEARCH FUNDAMENTALS IN COMMUNICATION SCIENCES AND DISORDERS Overview to provide a baseline of common experience in research and statistics for all master's students in the department. Prerequisite: PSYC 2330 or consent of instructor.

6306 ADVANCED INDEPENDENT STUDY AND READINGS IN COMMUNICATION SCIENCES AND DISORDERS Individual programs of study, basically investigative in nature, with supervised professional activity in communication disorders. A written paper is required. Prerequisite: CSD 6302 and consent.

6310 ARTICULATION AND PHONOLOGY Advanced study of the articulation and phonological systems, both normally developing and disordered. Assessment and treatment approaches will also be covered.

6311 AURAL REHABILITATION Current mainstreaming problems and practices with hearing-impaired children. Clinical and educational management of hard-of-hearing children and adults.

6314 FEEDING AND SWALLOWING DISORDERS Normal and disordered anatomy and physiology, relevant procedures, and therapeutic techniques in the assessment and treatment of various types of feeding and swallowing disorders across the lifespan.

6322 FLUENCY DISORDERS Advanced study of fluency disorders including clinical and experimental aspects.

6325 VOICE DISORDERS Voice pathologies including evaluation techniques and specific remediation procedures for patients with voice disorders.

6327 PEDIATRIC FEEDING AND SWALLOWING DISORDERS Feeding/swallowing processes from birth through childhood. There will be an emphasis on normal development, dysfunction, etiology, assessment, and intervention. Prerequisite: CSD 6314 or consent of instructor.

6329 AUTISM SPECTRUM DISORDERS: ASSESSMENT AND INTERVENTION FOR COMMUNICATION SCIENCES AND DISORDERS Students will develop knowledge about issues related to etiology, characteristics, diagnosis, and intervention approaches in ASD across the lifespan. Current topics and theories in ASD will be discussed.

6331 PSYCHOLINGUISTICS FOR COMMUNICATION SCIENCES AND DISORDERS This course gives students an overview of linguist theories and techniques relevant to the field of speech and language science. There is a particular emphasis on the areas of linguistics used for the diagnostic and assessment procedures in communication sciences and disorders.

6335 SEVERE DISABILITIES AND AUGMENTATIVE-ALTERNATIVE COMMUNICATION (AAC) A required course for graduate students in Communication Sciences and Disorders, this course provides instruction in communication assessment and intervention for children with severe disabilities and AAC. Emphasis will be placed on assessment and intervention techniques to enhance communication skills for preschool and school-aged children, including communication modalities. Prerequisite: Graduate status.

6341 MOTOR SPEECH DISORDERS: ASSESSMENT AND TREATMENT Assessment and treatment of the dysarthrias, Parkinson's disease, and traumatic brain injury in adults and children.

6343 ADULT LANGUAGE DISORDERS: ASSESSMENT AND TREATMENT Diagnosis and treatment of apraxia, aphasias, cognitive-communicative disorders including dementias and right hemisphere syndrome.

6344 COGNITION AND NEUROREHABILITATION Students in this course will gain an understanding of cognition, memory systems, and the effects of normal aging on cognition and communicative functioning. This information will provide a foundation for understanding neuroplasticity and the science-based principles of learning that inform clinical practice for adults with cognitive-communication disorders.

6345 LANGUAGE AND LITERACY DISORDERS: ASSESSMENT AMD INTERVENTION Current literature, assessment, and intervention techniques for school-age language learners.

6360 PROFESSIONAL ISSUES IN SPEECH-LANGUAGE PATHOLOGY This course covers a wide range of professional issues in Speech-Language Pathology, and the contexts in which they occur. Among those topics are credentialing processes, the influences of the federal government and the national organization in this profession, infection prevention procedures, cultural issues, and supervision. These matters are placed in the historical perspective of the development of the profession. Prerequisite: Graduate status.

6611 ADVANCED CLINICAL PRACTICUM II Supervised participation in evaluation and therapeutic management of a variety of communication disorders in an external setting. Continuation of Advanced Practicum I.

7V01 TEACHING INTERNSHIP (Variable credit: 1-6 credit hours.) This course provides doctoral students with supervised experience in academic instruction. **(UAMS-ASP 610V; UALR-AUSP 8123-8223)**

7V02 SUPERVISION INTERNSHIP (Variable credit: 1-6 credit hours.) This course provides doctoral students with supervised experience in clinical supervision/instruction. **(UAMS-ASP 611V; UALR-AUSP 8111-8211)**

7V03 RESEARCH PROJECT (Variable credit: 1-6 credit hours.) This course covers skills necessary to complete a proposal for research consisting of a research question, review of the literature, proposed methodology, successful IRB review, data collection, analysis of data and written report. **(UAMS-ASP 604V; UALR-AUSP 8131-8631)**

7110 GRANT WRITING INTERNSHIP This course involves the development, completion and submission of a grant proposal to a private or public funding agency. **(UAMS-ASP 6091; UALR-AUSP 8109)**

7210 GRANT WRITING PEDAGOGY This course covers strategies for identifying funding agencies appropriate for research and special programs. Techniques for writing grant proposals for both private and public funding will be emphasized. **(UAMS-ASP 6052; UALR-AUSP 8205)**

7220 SUPERVISION PEDAGOGY Exploration of the art and science of clinical teaching, supervision of clinical services, management of clinical programs, and instruction in communication disorders. Specific emphases will target clinical problem solving, maximizing student and client feedback, supervisory conferencing, evaluating student and client performance, clinical scheduling/record keeping, and clinical and program efficacy. **(UAMS-ASP 6062; UALR-AUSP 8206)**

7230 TEACHING PEDAGOGY Principles and practices of course development and teaching skills in communication sciences and disorders. Emphases on understanding and integrating course content, targeted levels of learning, specific objectives, instructional strategies, and assessment. Additional topics include: motivating students, attributes of good teaching, professional development in teaching, distance education, and team/interdisciplinary teaching. **(UAMS-ASP 6072; UALR-AUSP 8207)**

7300 ADVANCED RESEARCH METHODS Theory, principals and practices of research design in communication sciences and disorders. Emphases on methodology of collecting, organizing, analyzing and presenting qualitative and quantitative data. Topics will include: research questions and problems, literature and background review, research design, data organization and manipulation, scientific writing, and the publication and presentation process. **(UAMS-ASP 6003; UALR-AUSP 8304)**

7310 DOCTORAL SEMINAR IN HEARING The exploration of research and practice related to hearing science and hearing disorders. Course reflects recent developments in the literature and interests of participants. Topics may include: the anatomical basis of hearing science, acoustics and instrumentation, psychoacoustics, physiological acoustics, evaluation of hearing, hearing conservation, amplification, and aural habilitation and rehabilitation. May be repeated for 15 hours. **(UAMS-ASP 6013; UALR-AUSP 8301)**

7320 DOCTORAL SEMINAR IN LANGUAGE The exploration and evaluation of current research, practice and technology related to language development and disorders. Course reflects recent developments in the literature and specific interest of participants. Topics may include: developmental disorders, neurophysiological bases of language and communication, neurogenic cognitive-linguistic disorders, phonology, AAC, multicultural issues, gerontology. **(UAMS-ASP 6033; UALR-AUSP 8303)**

7321 DOCTORAL SEMINAR: COMMUNICATION DISORDERS IN MULTICULTURAL POPULATIONS This course will engage students in discussion of multicultural and linguistics

variables that must be recognized and applied in teaching, research, and clinical supervision in the field of speech-language pathology and audiology. **(UAMS-ASP 6083; UALR-AUSP 8343)**

7330 DOCTORAL SEMINAR IN SPEECH The exploration and evaluation of research, practice, and technology related to speech development and disorders. Course reflects recent developments in literature and interests of participants. Topics may include: motor speech disorders, speech science, physiological and neurophysiological bases of speech production, voice, dysphagia, fluency, articulation, craniofacial anomalies, gerontology, AAC, multicultural issues. May be repeated for 15 hours. **(UAMS-ASP 6023; UALR-AUSP 8302)**

8V50 DISSERTATION (Variable credit: 1-9 credit hours.) An original research project is completed by the student in collaboration with the dissertation advisor and committee. The student must be able to successfully complete an oral defense to the dissertation committee. Students must continue to enroll in this course until all related requirements are completed. **(UAMS-ASP 700V; UALR-AUSP 9199-9999)**

College Student Personnel Services and Administration

URL: http://uca.edu/gbulletin/courses/college-student-personnel-services-and-administration/

[1] Graduate Courses in College Student Personnel Services and Administration (CSPA)

6V95 THESIS: STUDENT AFFAIRS (Variable credit: 1-3 credit hours.) The thesis affords the student an opportunity to draw upon and consolidate knowledge obtained from classroom lectures, research projects, teaching, and other experiences. It is viewed as the beginning of the student's scholarly work, not its culmination. Thesis research provides the student with hands-on, directed experience in the primary research methods of the discipline of Student Affairs and prepares the student for research and scholarship that will be expected after receipt of the master's degree. Prerequisite(s): Completion of 21 credit hours.

6310 HISTORY OF HIGHER EDUCATION Institutions have customs, traditions, values, and practices–many of which are from historical trends that affect students, faculty, staff, and trustees. Historical analysis helps us to understand the inception and strength of institutional norms, the encounters between actors, and opportunities and constraints encountered by institutions. This course will offer an overview of American Higher Education and attempt to help explain the genesis of modern practices and problems.

6311 LEADERSHIP AND SUPERVISION This course will provide foundational grounding in leadership theory and research. Specific attention will be paid to the evolution of leadership theory, interdisciplinary conceptualizations of the topic, administrative applications of theory, and making sound decisions when solving organizational problems. Application of course content to students' roles as professionals in higher education will serve as an ongoing theme.

6318 FINANCING HIGHER EDUCATION This course offers a broad overview of university governance and higher education funding intended to improve the student's understanding of how budgeting affects decisions. Student Personnel Administrators, regardless of the level of bureaucracy, must deal with a variety of budgetary and revenue information when making daily decisions. Understanding the sources of income and expenditures at play within the institution is

important to being an effective leader. This course will introduce types of funds used to finance higher education as well as types of budgeting practices. This course will provide students with a general understanding of the process of identifying both traditional and grant funding sources, as well as matching needs with resources, from the public, private, and non-profit sectors.

6320 LAW OF HIGHER EDUCATION The purpose of this course is to provide students with an overview of the subject areas of law most relevant to higher education administration and student affairs. This course seeks to introduce students to methods of legal analysis and decision-making. It is designed to expose the student to the vast range of administrative issues at the college and university level that have potential legal implications.

6325 ASSESSMENT IN HIGHER EDUCATION This course provides an overview of assessment and evaluation in colleges and universities. The course will examine the design and appropriate implementation of assessment evaluation methods as they relate to addressing institutional effectiveness.

6335 GRANT WRITING This course addresses the development of grants and contracts and presents an overview of identifying funding sources. One key to development is the availability of resources, human and non-human. Grant writing can provide those resources by matching local resources with resources available from the public, private, and non-profit sectors of society. This course will provide the student with a general understanding of the process, as well as detailed information about grants in the community development field.

6340 CAREER ADVISING IN STUDENT AFFAIRS/HIGHER EDUCATION This course will provide an overview of the career counseling process over the life span, from early childhood through older adulthood, with a special emphasis on career advising in the higher education environment. Course content includes the study of career development theories and models, career assessment inventories, career interventions, career information systems, and educational resources. Additional topics include the interrelationship among work, family, and other life roles; the connection of career to mental health; and diversity in career development.

6360 DIVERSITY IN HIGHER EDUCATION The purpose of this course is to help students develop a life-long learning perspective regarding issues of diversity in higher education. The course seeks to assist higher education practitioners in developing intercultural competence through self-assessment, interaction, and skill development.

6365 PRACTICUM This course provides student with an on-site professional learning experience in a specific college or university office. The course combines weekly work responsibilities under the supervision of a site supervisor with assigned readings and scheduled discussion meetings with other practicum students and the professor.

6370 INTERNSHIP In this course, students will gain exposure to a comprehensive, pre-professional experience of supervised professional-level work in a student affairs department. In addition, students will participate in periodic seminars to process, discuss, and share internship experiences and integrate the experiences with student-development theory.

6391 PRINCIPLES AND PRACTICES IN STUDENT AFFAIRS The primary goal of this course is to provide a comprehensive introduction to the field of college student personnel and its role in American higher education. A related goal is to develop a broad foundation of knowledge to which subsequent study, practitioner skills, and research strategies may be added.

6392 STUDENT DEVELOPMENT THEORY The goal of this course is to provide students with an examination of the characteristics of today's American college students, major development theories applicable to the higher education environment, and research on the wide variety of students attending higher education today. The areas of psychosocial and cognitive-structural development will be emphasized through multiple perspectives, including but not limited to moral development, intellectual development, gender identity development, multicultural identity development, spiritual development, and sexual identity development.

Elementary, Literacy, and Special Education

URL: http://uca.edu/gbulletin/courses/elementary-literacy-and-special-education-else/

[1] Courses in Elementary, Literacy, and Special Education (ELSE)

5311 READING/LITERACY INSTRUCTION This course is the first part of a two-semester sequence that prepares graduate students to teach reading in the early and middle childhood education classroom. This first course develops a knowledge base related to emerging literacy and the specific competencies necessary for successful reading instruction within a variety of classroom situations and diverse populations, including students with special needs or disabilities. Research-based concepts of human growth and development related to theories of language acquisition (receptive and expressive) and reading/literacy learning are presented to graduate candidates to prepare them for selecting materials, planning effective interdisciplinary instruction, and using ongoing interactive techniques to support and assess emerging literacy and reading processes. Prerequisites: Admission to graduate study.

5320 PRINCIPLES AND PRACTICE OF READING AND WRITING STRATEGIES This course is the second part of a two-semester sequence that prepares graduate students to teach reading in the early and middle childhood education classroom. The course develops a knowledge base related to the foundations of literacy learning and the specific competencies required for effective reading instruction. Lectures, group activities and online experiences are integral parts of the course that will be taught both on the university campus and electronically. Prerequisite: Admission to graduate school and completion of ELSE 5311 or equivalent.

6300 SPED 101 ACADEMY: PHILOSOPHICAL, HISTORICAL, AND LEGAL ASPECTS OF SPECIAL EDUCATION This course introduces the world of special education including the litigation and legislation, the characteristics of exceptionalities, assessment, IEP writing, and modifications and accommodations. Legal foundations and issues, special education terminology, and the practice of collaboration among professionals in providing appropriate services for children and students with disabilities are examined. This course is offered in a distance education setting, which includes synchronous and asynchronous sessions. An occasional face-to-face meeting may be required. This course is required for candidates pursuing the MSE and Special Education MAT, GC/endorsement in Special Education K-12, the Special Education Resource endorsement, and the GC/endorsement in Integrated Early Childhood Education (B-K). This course may also be approved for other related disciplines.

6304 BEHAVIOR MANAGEMENT AND ANALYSIS IN SPECIAL EDUCATION This course examines the theory, research, and practice of managing the behaviors of students with disabilities. The course emphasizes synthesizing theoretical and functional principles of behavior management

used and observed in the classroom. This course is designed to assist those candidates seeking initial license and those enhancing their knowledge. This course will also discuss assessment for educational planning, instructional methods, and intervention strategies for teaching students in K–12 with behaviors that affect their educational abilities. This course will be offered in an asynchronous online setting which will include compressed videos, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face-to-face in groups. Required course for the MSE in Special Education, the MAT in Special Education, the GC/endorsement in Special Education K-12, and the Special Education Resource endorsement. Field Experience is required.

6308 EDUCATIONAL ASSESSMENT IN SPECIAL EDUCATION This course examines the theory, research, and practices of testing students with disabilities in the classroom. Candidates will expand their data literacy and their professional knowledge, skills, and abilities regarding basic assessment and data-driven decision making. This course is designated as a special education core course designed to assist those candidates seeking special education licensure and those enhancing their knowledge. This course will be offered in an asynchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face-to-face in groups. Required course for the MSE in Special Education, the MAT in Special Education, and GC/endorsement in Special Education K-12. Field Experience is required.

6309 SOLUTION-FOCUSED LEARNING This course is presented through solution-focused learning (AKA problem-based learning). Using detailed case studies and/or live families, candidates will seek to understand the problems, explore underlying issues, and find solutions that address the problems on an individual and or community level. In addition, the practice of collaboration among professionals in providing appropriate services for children and students with disabilities are examined. This course is offered in a distance education setting, which includes synchronous and asynchronous sessions. An occasional face-to-face meeting may be required. This course is required for completion of the MSE in Special Education K-12 and the B-K endorsement. This course may also be approved for other related disciplines.

6314 DIAGNOSIS AND INTERVENTION OF READING DIFFICULTIES This course is intended to assist educators as reflective decision makers in the improvement of their skills in the assessment, prevention, and intervention of reading difficulties of their students. A major emphasis of the course is the investigation of diagnostic procedures and intervention strategies, including formal methods such as standardized tests and informal methods such as inventories, interactive assessments, portfolios, and checklists. Administration and interpretation of tests and use of results for planning instruction are stressed. Candidates work in the clinical setting as clinicians and as literacy coaches by evaluating elementary students in area schools and by providing tutorial assistance in a clinical setting. Records, reports, materials, and the procedures of operating a clinical reading program are addressed in a performance-based curriculum. Field Experience is required. This course is a requirement for the Dyslexia Therapist endorsement, the MSE in Reading, and the MAT in Special Education. Given the nature of this course, the delivery method will be in the distance education setting using the hybrid mode. Approximately 60% of the course will be delivered online with the remaining portion delivered in face-to-face meetings at prescheduled non-traditional times (e.g., evenings and/or weekends). Co/prerequisite: ELSE 6349.

6318 MODIFICATIONS IN THE GENERAL CLASSROOM Mashburn Institute Curriculum.

6320 LEARNING STRATEGIES FOR EXCEPTIONAL LEARNERS Mashburn Institute Curriculum.

6325 TEACHING CHILDREN WITH ATTENTION DEFICIT DISORDERS This course examines the characteristics, assessment, and management of Attention Deficit Disorders (ADD). It provides training in the development of behavioral and academic intervention techniques designed to meet the educational needs of children with ADD.

6327 EDUCATIONAL PROGRAMMING FOR YOUNG CHILDREN This course examines curricula issues, instructional strategies, learning environments, instructional arrangements, and management techniques for meeting the needs of children birth through kindergarten in inclusive settings. Emphasis is placed on skills needed by educators to be successful in various communities and school settings. This course is offered in a distance education setting, which includes synchronous and asynchronous sessions. An occasional face-to-face meeting may be required. This course is required for completion of the B-K endorsement and may also be approved for other related disciplines.

6328 STRATEGIC INSTRUCTION MODEL/CONTENT ENHANCEMENT ROUTINES This course examines use of the Strategic Instruction Model (SIM) in a diverse school setting. Guiding philosophies, research base, and use of the model will be investigated. Additionally, the course examines use of the model in collaboration with other professionals from the perspective as a teacher leader. This course will be offered in a distance learning setting. For some discussions and hands-on activities, candidates will meet face-to-face. It is believed that by using a variety of means of instruction, course objectives can be fully met.

6329 INSTRUCTIONAL FACILITATION / TEACHER LEADERSHIP This course examines the various roles of an instructional facilitator. It includes an in depth examination of the function of an instructional facilitator as a resource provider, collaborator, change agent, learning facilitator, school leader, and learner. It examines the implementation and ongoing support needed to sustain a school-based facilitating initiative. It explores the principle of partnership learning and learning structures. Presentation format will involve engaging interactions, cooperative learning, video analyses of model facilitation and inadequate facilitation, opportunities for reflection, assignments for skill development, role-play simulations, case investigations, demonstration of coaching principles and techniques, the evaluation of coaching model and behaviors, and trouble-shooting. Prerequisites: Admission into UCA Graduate School.

6333 MATH AND SCIENCE FOR DIVERSE LEARNERS This course develops a knowledge base related to mathematical and science strategies and the specific competencies necessary for successful math and science instruction within a variety of instructional arrangements with diverse populations of exceptional learners. This course will be offered in an asynchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face to face in groups. It is believed that by using a variety of means of instruction, course objectives can be fully met. Required course for the MSE in Special Education, the MAT in Special Education, and the GC/endorsement in Special Education K-12. Field Experience is required.

6335 TEACHING STUDENTS WITH AUTISM, PDD, AND OPPOSITIONAL DEFIANT/CONDUCT DISORDERS This course examines the characteristics, assessment and management of children and adolescents with Autism, Pervasive Developmental Disorders, and

Oppositional Defiant/Conduct Disorders. It provides training in the development of behavioral and academic intervention techniques designed to meet these students' unique and diverse educational needs.

6336 ADVANCED STUDIES IN GUIDANCE AND MANAGEMENT OF YOUNG CHILDREN This course examines the theory, research and practice of social and emotional learning among diverse populations of young children, including children with special needs. The course emphasizes synthesizing theoretical and functional principles of social and emotional development. The course also emphasizes the application and analysis of guidance and behavior management strategies used among teachers, school staff, administrators, and families. The course emphasizes a 3-tier model of guidance strategies, including universal strategies as well as individualized strategies for children with more complex behavioral needs. This course is offered in a distance education setting, which includes synchronous and asynchronous sessions. An occasional face-to-face meeting may be required. This course is required for completion of the B-K endorsement and may also be approved for other related disciplines.

6338 INSTRUCTIONAL STRATEGIES AND ASSESSMENT OF YOUNG CHILDREN This course will examine key curriculum and instructional models and effective differentiated assessment strategies for young children. Planning, implementation, assessing learning and evaluating instructional effectiveness will be discussed for all young learners, including students with learning difficulties and other disabilities. Collaborating and conferencing with colleagues and others on using best practices to promote positive learning outcomes in various learning environments will be applied. This course is offered in a distance education setting, which includes synchronous and asynchronous sessions. An occasional face-to-face meeting may be required. This course is required for completion of the B-K endorsement and may also be approved for other related disciplines.

6341 LITERACY STRATEGIES FOR THE EMERGENT AND EARLY READER This course will prepare reading specialist candidates to deliver developmentally appropriate curriculum, instructional strategies, materials, and assessments for emergent and early readers based on recent research and current practices in the field. This course is a requirement for the completion of the MSE in Reading. It may serve as an elective for several other master's degree programs. This course will be taught in the distance education setting with synchronous and asynchronous delivery. Occasional face-to-face meetings may be required. Prerequisite: ELSE 6314.

6342 RESEARCH AND LITERATURE IN READING The investigation of the research on teaching and learning process of reading and related language arts. Requirements include completion of an action research project and submissions of an article for publication.

6343 CLINICAL PRACTICUM IN READING This course is intended to prepare reading specialists to diagnose and intervene with struggling readers through a case study under supervision. This course will include theory, demonstration, and practice/performance in group and individual procedures, strategies, and techniques of diagnosis and intervention of reading difficulties. This course is a requirement for the Dyslexia Therapist endorsement and for completion of the MSE in Reading. It may serve as an elective for several other master's degree programs. This course will be taught in the distance education setting with synchronous and asynchronous delivery. Occasional face-to-face meetings may be required.

6344 PRACTICUM IN READING II (MIDDLE GRADES) Extension and further development of strategies learned in ELSE 6314 with emphasis on middle level (grades 3-8) literacy strategies and study skills under clinical supervision. Prerequisite: ELSE 6314 and consent of instructor.

6345 LEADERSHIP, SUPERVISION, AND PROFESSIONAL DEVELOPMENT IN LITERACY This course will prepare reading specialists to plan, organize, assess and supervise/coach reading programs in school systems. Candidates will use current research to evaluate issues and trends in curriculum planning, program assessment, and staff development. This course is a requirement for the completion of the MSE in Reading. It may serve as an elective for several other master's degree programs. This course will be taught in the distance education setting with synchronous and asynchronous delivery. Occasional face-to-face meetings may be required.

6346 LITERACY STRATEGIES FOR THE ADVANCED READER This course will prepare reading specialist candidates to deliver developmentally appropriate curriculum, instructional strategies, materials, and assessments for transitional and fluent readers based on recent research and current practices in the field. This course is a requirement for the completion of the online master's degree in Reading. It may serve as an elective for several other master's degree programs. This course will be taught in the distance education setting with synchronous and asynchronous delivery. Occasional face-to-face meetings may be required.

6347 FOUNDATIONS OF DYSLEXIA AND THE LANGUAGE This course provides the opportunity for the graduate candidate to examine current research and best practices for teaching reading to students with dyslexia. A major emphasis of this course includes a thorough examination of the brain research behind dyslexia as well as diagnostic procedures and methods to improve reading abilities. Professional ethics will also be examined in relation to assessing and intervening with readers. This course is a requirement for the Dyslexia Therapist endorsement, the MSE in Reading, the MSE in Special Education, GC/endorsement in Special Education K-12, and the Special Education Resource endorsement. It may serve as an elective for several other master's degree programs. It may serve as an elective for several other master's degree programs. This course will be taught in the distance education setting with synchronous and asynchronous delivery. Occasional face-to-face meetings may be required.

6348 MULTISENSORY APPROACH TO LANGUAGE I This course provides candidates with current research and information concerning multisensory approaches to teaching the language in the areas of phonology, phonics, word recognition, handwriting, spelling, and written expression. Multisensory teaching is one important aspect of instruction for all students, especially students with dyslexia. This course is a requirement for the Dyslexia Therapist endorsement and for completion of the MSE in Reading and the MAT in Special Education. It may serve as an elective for several other master's degree programs. Given the nature of this course, the delivery method will be in the distance education setting using the hybrid mode. Approximately 60% of the course will be delivered online with the remaining portion delivered in face-to-face meetings at prescheduled non-traditional times (e.g. evenings and/or weekends). Pre-/co-requisite: Taken concurrently with or after successful completion of ELSE 6347.

6349 MULTISENSORY APPROACH TO LANGUAGE II This course provides candidates with current research and information concerning multisensory approaches to teaching the language in the areas of fluency, vocabulary, and text comprehension. Multisensory teaching is one important aspect of instruction for all students, especially students with dyslexia. This course is a requirement for the Dyslexia Therapist endorsement and for completion of the MSE in Reading. It may serve as an

elective for several other master's degree programs. Given the nature of this course, the delivery method will be in the distance education setting using the hybrid mode. Approximately 60% of the course will be delivered online with the remaining portion delivered in face-to-face meetings at prescheduled non-traditional times (e.g. evenings and/or weekends). Pre-/co-requisite: Taken concurrently with or after successful completion of ELSE 6348.

6366 EDUCATIONAL PROGRAMMING FOR STUDENTS WITH MILD DISABILITIES K-12 This course integrates assessment with educational planning, instructional methods, learning environments, instructional arrangements, management techniques, materials, strategies, and intervention models for teaching students in grades K–12 with mild disabilities. This course will be offered in an asynchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face-to-face in groups. Required course for the MSE in Special Education, the MAT in Special Education, the GC/endorsement in Special Education K-12, and the Special Education Resource endorsement. Field Experience is required.

6367 EDUCATIONAL PROGRAMMING FOR STUDENTS WITH SIGNIFICANT DISABILITIES K-12 This course examines the medical and psychological aspects of disabilities while integrating assessment for educational planning, instructional methods, materials, strategies, and intervention models for teaching students K–12 with significant (moderate to profound) disabilities. This course will be offered in an asynchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face-to-face in groups. Required course for the MSE in Special Education, the MAT in Special Education, and the GC/endorsement in Special Education K-12. Field Experience is required.

6375 THE PRACTICE OF TEACHING DIVERSE LEARNERS This course provides candidates with a foundation in excellence in teaching students with exceptional learning needs. It focuses on an in-depth analysis of the Teacher Excellence and Support System (TESS) and the Council for Exceptional Children (CEC) standards. In addition, candidates will focus their attention on various learning theories in education. This course is offered as a combination of synchronous and asynchronous online classes and is required for all Special Education MAT candidates.

6379 READING IN THE CONTENT AREAS This course will present theory and strategies with philosophy and best practices of content area reading. The focus will be on the demands placed on students as they learn to read from subject matter textbooks and other material different from the narrative format encountered in the early grades.

6383 INDEPENDENT RESEARCH/TOPIC Qualified graduate students outline and spend a minimum of 54 clock hours per semester on a problem. A well-written report on the results of the research is required.

6384 RESEARCH-BASED BEST PRACTICES IN SPECIAL EDUCATION This course examines research based best practices in special education. This course will provide a 2-3 year rotation of focus on 1-2 best practices per year. Some research based best practices that will be explored in depth include: applied behavior analysis and positive behavior supports; inclusion, peer tutoring, co-teaching, Universal Design for Learning, and incorporation of assistive technology and Common Core; best practices in teaching students with autism, sensory processing disorders, and other high-number disabilities including involving applied behavior analysis and augmentative

communication; current trends and best practices in all transitions K-12 students will need to understand. Professors will design a rotation after study of research-based best practices current in special education. This course will be offered in an asynchronous online setting which will include compressed video, access to online videos and trainings, and Blackboard. For some assignments, students may have to meet online or face to face in groups. It is believed that by using a variety of means of instruction, course objectives can be fully met. This course is required for completion of the MSE in Special Education K-12.

6600 SPECIAL EDUCATION MAT INTERNSHIP Special Education MAT Internship comprises the final semester of work in the MAT program in Special Education. The internship will be completed in candidates' own classrooms. Such classrooms will be in public school settings that are accredited by the ADE or other private settings where content standards adopted by the State Board are taught and faculty are subject to an evaluation system that uses a framework substantially similar to TESS. All required courses in the program prior to Internship must be completed.

Educational Leadership

URL: http://uca.edu/gbulletin/courses/educational-leadership/

[1] Graduate Courses in Educational Leadership (EDLP)

6324 FACILITIES PLANNING AND ADMINISTRATION A study of the school plant planning process and organization and administrative procedures for plant management.

6325 SCHOOL-COMMUNITY RELATIONS Identification, study and analysis of concepts and procedures to develop better communication cooperative partnerships between the school and the community; A study of the interaction of school boards and superintendents.

7V15 DIRECTED SPECIALIST'S PROJECT (Variable credit: 1-3 credit hours.) A culminating activity for the Educational Specialist's degree. Selection of a practical educational problem for solution using research and professional knowledge. A scholarly report is required in which the student is expected to demonstrate competence in research and writing skills. Elective.

7V30 INTERNSHIP DISTRICT LEADERSHIP (Variable credit: 1-3 credit hours.) Supervised activities working with district level leaders accompanied by focused seminars. Experiences are jointly planned and supervised by university and district level personnel. Candidates are expected to document experiences. Internships must be at least six months in length. A total of three semester credit hours are required for completion of the degree.

7101 LANDSCAPE OF THE SUPERINTENDENCY An overview of the school superintendency as a professional career choice. The course will be offered one time per year. Elective.

7300 SCHOOL FINANCE A study of sources for school funding, legal basis for funding and expenditures, views and policies of equity in school finance, principles of budgeting, and cost accounting.

7301 PROGRAM PLANNING AND EVALUATION A study of the theory of program evaluation, techniques used in program evaluation, and the standards of quality for professional evaluation practice.

7324 SCHOOL BOARD RELATIONS The relations between the superintendent and the local school board of education will be examined with reference to role and responsibilities for the local school board and the superintendent and the knowledge, dispositions, and skills that are required to build effective superintendent-school board relations.

7363 HUMAN RESOURCE ADMINISTRATION Major dimensions of personnel management are addressed and include the processes, procedures, and techniques essential to the function of personnel administration in the pre-K-12 school organization.

7387 ORGANIZATIONAL CHANGE AND DEVELOPMENT A study of various behavioral concepts found in organizational settings that have implications for leadership and management.

7391 SUPERINTENDENT AS INSTRUCTIONAL LEADER A study of the concepts, theories, and practices associated with instructional leadership provided by the school district superintendent. Elective.

English

URL: http://uca.edu/gbulletin/courses/english/

[1] Graduate Courses in English (ENGL)

5301 THE RENAISSANCE Major non-dramatic writers of Tudor and early Stuart England.

5304 STUDIES IN BRITISH AND AMERICAN LITERATURE Concentrated study of varied topics on groups of writers, literary movements, or particular sub-genres. May be taken only once without approval of the department chair.

5305 MEDIEVAL ENGLISH LITERATURE An overview of medieval English literature (exclusive of Chaucer). Anglo-Saxon and some Middle English texts will be taught in translation, but Middle English will be retained whenever possible.

5311 THE NEOCLASSICAL PERIOD Major writers from the Restoration to the end of the eighteenth century.

5312 AMERICAN PROVINCIAL LITERATURE American literature from its beginnings to 1830.

5313 AMERICAN ROMANTICISM AND REALISM The major works in American Romanticism and Realism, 1830-1900.

5314 AMERICAN FICTION SINCE 1900 Explores developments in the aesthetics of American fiction since 1900, and the relation of that fiction to contemporary American life and history. Readings may include both novels and short films. Prerequisite(s): ENGL 2313.

5315 TWENTIETH-CENTURY AMERICAN POETRY Major poetry by American authors of the twentieth century.

5320 THE ROMANTIC PERIOD English Romanticism from its eighteenth-century precursors through major Romantic writers of prose and poetry.

5321 THE VICTORIAN PERIOD Poetry and prose of major English writers of the latter part of the nineteenth century.

5325 SPECIAL TOPICS IN POSTCOLONIAL LITERATURE Topics of current, historical, or theoretical interest in postcolonial literature.

5330 SHAKESPEARE I A critical survey of representative Shakespearean comedies, tragedies, history plays, and the sonnets.

5331 SHAKESPEARE II Similar to Shakespeare I, using other plays in each of the several genres, and the narrative poems.

5340 CHAUCER Chaucer's major works viewed against the background of medieval life and thought.

5341 MILTON Milton's major poems and selected prose viewed against the background of seventeenth-century life and thought.

5342 THE SEVENTEENTH CENTURY Non-dramatic writings from 1603 to 1660, exclusive of Milton.

5343 TUDOR-STUART DRAMA Representative plays of the late sixteenth and early seventeenth centuries, exclusive of Shakespeare.

5345 TWENTIETH-CENTURY ENGLISH DRAMA English drama of the twentieth century generally focusing on modern plays by Shaw, Synge, O'Casey, and postmodern plays by Beckett, Pinter, Stoppard, and Churchill, Lecture, discussion, writing. Prerequisites: ENGL 2318.

5346 RESTORATION AND EIGHTEENTH-CENTURY DRAMA English drama of the Restoration and Eighteenth Century, with attention to the political, cultural, and religious contexts in which these plays were produced. This course will also explore the period's developing conditions of performance, and their impact upon the selected dramatic texts. Lecture, discussion, writing.

5347 TWENTIETH-CENTURY AMERICAN DRAMA The course will focus on the American theater to include such playwrights as Eugene O'Neill, Tennessee Williams, Arthur Miller, Edward Albee, Lorraine Hansberry, August Wilson, and David Mamet, among others; and, as time allows, three to five plays from more recent work by a sampling of a younger generation to include Wendy Wasserstein, Suzan Lori Parks, Tony Kushner, Sam Shepard, and Horton Foote. Course Lecture, discussion, writing.

5354 MODERNISM This course will introduce students to major writers of all genres of the first half of the twentieth century from the United States and the British Isles. Writers such as Hemingway, Faulkner, Pound, T.S. Eliot, Yeats, Joyce, Woolf, and O'Neill will be covered.

5355 POSTMODERNISM A survey of English-language literature since 1945 generally covering the relations between high postmodernism, postcolonial/diverse literature, social realism, and magical realism.

5358 METHODS OF TEACHING ENGLISH AND COMPOSITION May not be taken as part of the MA in English. Required of students seeking licensure to teach English. The course includes a study of methods used to teach literature, grammar, and composition, and evaluated teaching presentations before other candidates. Lecture, discussions, writing. Prerequisites: Admissions to the Master of Arts in Teaching (MAT) program.

5360 HISTORY AND STRUCTURE OF THE ENGLISH LANGUAGE A survey of English from the Anglo-Saxon to the modern period. Attention will be paid to the social, political and literary matrix within which the language developed.

5361 LITERATURE FOR ADOLESCENTS Literature for adolescent readers and exploration of motivational approaches to teaching literature in secondary schools.

5362 SOUTHERN LITERATURE AND FOLKLORE An elective for MA. Explores twentieth-century Southern folklore and literature as social, cultural, and historical manifestations and reactions to contemporary trends in American life and history. Poetry, prose, and drama of representative twentieth-century southern writers as well as regional folklore.

5364 SPECIAL TOPICS IN CHILDREN'S AND YOUNG ADULT LITERATURE This course offers unique instructor-driven topics of current, historical and theoretical interest in Children's/Young Adult Literature. Students will critically read, discuss, and write about the particular subject matter of the course, paying special attention to the larger socio-cultural impact and context of the works under scrutiny. Lecture, discussion, writing.

5366 LITERARY THEORY AND CRITICISM This course may be taught using historical models or modern theoretical schools of thought. Literature (poetry, drama, and prose) will also be included as a means of applying various theoretical models.

5370 WOMEN'S LITERATURE An elective for MA students. This course may be taught as a survey of women's literature across the centuries, or as a special-topics course dealing with women authors. Poetry, prose, and drama of representative women writers will be included.

5371 AMERICAN NOVEL TO 1900 The course examines the development of the novel in America generally focusing on writers such as Brockden, Brown and Hawthorne to Wharton and James. It explores the American novel as a distinct entity from European and continental models and as a result of social, historical, and economic forces in American life. Discussion, lecture, writing.

5372 EIGHTEENTH-CENTURY ENGLISH NOVEL Major English novels of the eighteenth century.

5373 NINETEENTH-CENTURY ENGLISH NOVEL Major English novels of the nineteenth century.

5374 TWENTIETH-CENTURY ENGLISH NOVEL Major English novels of the twentieth century.

5375 TWENTIETH-CENTURY ENGLISH POETRY Major poetry by English authors of the twentieth century.

5380 AFRICAN AND AFRICAN-AMERICAN LITERATURE Survey of African and African-American literature from the eighteenth century to the present.

5381 MAJOR AFRICAN/AFRICAN-AMERICAN WRITERS An elective for MA students. The course will enable students to explore in some depth the works of one or more important African and/or African-American writers who have established distinctive artistic voices within a particular country, culture, or region.

5382 RACE IN AMERICAN LITERATURE An elective for MA. The course will explore the depictions of racial definitions, identities, and conflicts offered by American writers of various races although primarily African-American and white. Focus will be on writers such as Phillis Wheatley, Frederick Douglass, W. E. B. Du Bois, Booker T. Washington, Richard Wright, Ralph Ellison, Toni Morrison, Harriet Beecher Stowe, Mark Twain, and Flannery O'Connor.

5385 TRAVEL SEMINAR IN LITERATURE This course combines literary study with travel to the culture that produced the works. When American, British, or English-language literature is covered, the course may satisfy three elective hours of MA graduate credit.

6V94 INDEPENDENT STUDY (Variable credit: 1 or 3 credit hours.) Aspects of language and literature which an individual graduate student desires to study but which are not intensely covered in any existing course. The student taking this course must arrange for a graduate professor to direct the study and must procure the permission of the department chairperson. May be taken for up to 3 credit hours.

6190 GRADUATE TEACHING PRACTICUM IN ENGLISH This one-hour practicum will familiarize students with a range of methods for teaching literature in the college classroom. The course will provide some theoretical grounding in pedagogy but will place more emphasis on practical strategies for the classroom, assignment-design, and grading. Students will design a syllabus and construct lesson plans and assignments for the course they have been assigned to teach as well as participate in classroom observations. Readings will consist of a combination of theoretical and practical approaches to pedagogy (articles and books) primarily within the discipline of English. Prerequisite: At least 18 hours of graduate coursework in English.

6193 THESIS RESEARCH CONTINUOUS ENROLLMENT

6301 SEMINAR IN MEDIEVAL ENGLISH LITERATURE Concentrated study of a special topic in English medieval literature.

6302 SEMINAR IN THE RENAISSANCE Concentrated study of a special topic in English Renaissance literature.

6303 SEMINAR IN NEOCLASSICISM Concentrated study of a special topic in English Neoclassical literature.

6304 SEMINAR IN ROMANTICISM Concentrated study of a special topic in English Romantic literature.

6305 SEMINAR IN THE VICTORIAN PERIOD Concentrated study of a special topic in English literature of the Victorian period.

6306 SEMINAR IN ENGLISH LITERATURE 1900 TO PRESENT Concentrated study of a special topic in English literature from 1900 to the present.

6307 SEMINAR IN AMERICAN LITERATURE 1900 TO PRESENT A special-topics seminar in American literature from 1900 to Present.

6320 AMERICAN ROMANTIC PERIOD Critical and textual studies of selected works of one or more of the following authors: Cooper, Emerson, Thoreau, Poe, Hawthorne, Melville, Whitman.

6321 READINGS IN AMERICAN LITERATURE Works and literary reputation of selected American authors. A student will be allowed to take a maximum of two different seminar topics.

6323 LITERATURES OF THE AMERICAS FOR TEACHERS Serves as an elective for students in the MA program in English. A study of Native, Hispanic, and Latin American literatures within their cultural contexts, with an emphasis on teaching those traditions.

6325 ASIAN/ASIAN AMERICAN LITERATURE FOR TEACHERS This course is designed to introduce students to some important texts from the various literatures of Asia, along with the aesthetic, religious, and cultural contexts of those works. In addition, students will be introduced to a variety of modern texts by Asian-American writers so they may consider any connections that might exist between the traditional texts and their ethnic American successors.

6336 TEXTS AND MANUSCRIPTS Approaches to the study of manuscripts and early printed texts (paleography, codicology, diplomatics, and stemmata) of the Medieval and Renaissance periods.

6337 ARKANSAS SHAKESPEARE THEATRE INTENSIVE INTERNSHIP This course provides an internship with the Arkansas Shakespeare Theatre as a production dramaturg. The stated mission of AST is "to entertain, engage, and enrich the community by creating professional and accessible productions of Shakespeare and other works that promote educational opportunities, community involvement, and the highest artistic standards." Dramaturgy interns will support this mission primarily through their work as scholars, writers, and research resources to the director and cast. Interns may also wish to participate in the collaborative theatrical effort in additional administrative ways.

6365 DIVERSE LITERATURES SEMINAR Capstone course for Language Arts Option in English M.A. program. Provides teachers opportunities for further exploration of diverse literatures of interest to them, with particular emphasis on incorporating these works along with approaches to teaching composition, creative writing, and linguistics into meaningful learning experiences for secondary students. Prerequisites: 24 hours completed toward MA with Language Arts emphasis, or consent of instructor.

6391 THESIS RESEARCH

6392 THESIS RESEARCH

6393 RESEARCH METHODS IN ENGLISH Familiarization with the tools and methods of literary research and criticism at the graduate level and with common types of scholarly writing.

Exercise and Sport Science

URL: http://uca.edu/gbulletin/courses/exercise-and-sport-science-exss/

[1] Graduate Courses in Exercise and Sport Science (EXSS)

5V71 SPECIAL TOPICS IN EXERCISE AND SPORT SCIENCE (Variable credit: 1-3 credit hours.) Topics in exercise and sport science.

5305 SPORT MANAGEMENT INTRODUCTION AND GOVERNANCE This course introduces students to the broad concepts of management and governance as they pertain to the sport management discipline. Students will learn of various sport organizations and governance structures of these organizations from around the world and all levels of sport—amateur, scholastic, intercollegiate, professional, and international.

5315 LEADERSHIP IN SPORT MANAGEMENT This course will provide students with both theoretical and practical information on leadership in sport. Pertinent leadership theories (transactional, transformational, authentic, and servant) will be studied along with case studies on how these are applied by practitioners to inform decision-making in sport. Students will gain a further understanding of the importance of leadership in sport organizations as well as how to recognize their own leadership style and the leadership style of those around them.

5325 FINANCIAL PRINCIPLES IN SPORT MANAGEMENT A course designed to engage students in financial practices that sport organizations typically undertake. Students will learn budgeting practices and financial operations pertaining to sport organizations and how to apply this information to the financial decisions faced by sport managers.

5331 CARE AND PREVENTION OF EXERCISE AND SPORTS INJURIES This course introduces students to the broad discipline of caring for exercise and sports injuries. Key topics of study include anatomy, evaluation, treatment, rehabilitation techniques, emergency procedures, and liability issues in athletics and activity. Lecture, discussion, and laboratory experiences.

5332 CRITICAL ANALYSIS OF RESEARCH This course will allow students to improve their ability to critically assess research. Aspects of evaluation that will be covered include: clarity of writing, appropriately defining research components, choosing of an appropriate sample size, providing an adequate description of methodology, proper methodology, proper use of statistics, appropriate presentation of results, and proper interpretation of results.

5335 SPORT MARKETING PRINCIPLES AND STRATEGY This course is structured in order to inform students about the broad spectrum of sport marketing practices. Best sport marketing theories and applications will be disseminated. Students will learn how to engage in rightful sport marketing practices and learn about emerging trends with the goal of applying them to sport organizations.

5345 SPORT PUBLIC RELATIONS, COMMUNICATION, AND CRISIS MANAGEMENT This course is structured to inform students about sport organization communication practices and principles. The course entails information on managing both a public relations communication avenue and a stakeholder relations communication avenue. Through this course students will become versed in principles sport organizations have used and future trends, while also seeing the principles implemented.

5350 OBESITY PREVENTION AND MANAGEMENT Course activities, experiences, assignments, and sequence are intended to provide opportunities for students to accomplish specific competencies related to the understanding of the prevalence of overweight and obesity, dietary considerations, exercise considerations, environmental considerations, and behavioral strategy considerations. Students will examine items in this course as they pertain to the world, the United States, and, in particular, the state of Arkansas.

5352 EXERCISE PRESCRIPTION FOR SPECIAL POPULATIONS The purpose of this course is to provide students with knowledge and experiences on the different aspects of physical activity programming for individuals who have specific disabilities or health limitations and conditions that warrant special attention. Course content will be presented in a classroom/laboratory discussion format, including guest speakers and on and off campus physical activity experiences where students will have an opportunity to observe and participate in physical activities for special populations.

5376 ADVANCED STRENGTH AND CONDITIONING This course has three main objectives: (a) to examine physiological, biomechanical, motor control, and psychological aspects of sport; (b) to prepare students to create effective strength and conditioning programs for sport, recreational, clinical, and rehabilitation purposes; and (c) to educate students about current trends in strength and conditioning.

6V01 THESIS RESEARCH (Variable credit: 1-3 credit hours) Under the direction of the thesis advisor and committee, students will carry out an original research project. This includes: research design, proposal, IRB approval, data collection, data analysis and defense. Students enrolled in the thesis option must complete six (6) credit hours for graduation. Prerequisite: Consent of the department.

6300 INDEPENDENT STUDY IN EXERCISE AND SPORT SCIENCE Independent study that requires the student to prepare and develop a selected topic. Presentation of research to graduate faculty is required.

6305 SPORT ORGANIZATION COMMUNICATION This course aims to teach students about how sport organizations communicate internally and externally. Students will learn how to decipher and interpret data concerning media, analytics, and trends. The information will then be used to explore how current sport organizations use data in the daily communication procedures through various media outlets for both intra-organization and inter-organization relations.

6310 MOTOR LEARNING Cognitive and motor processes related to the learning and performance of motor skills; emphasis is given to the topics of learning, attention, memory, and practice conditions.

6315 RESEARCH METHODS IN EXERCISE AND SPORT SCIENCE Understanding the research process and developing the skills applicable to the conduct of scientific investigation in exercise and sport science.

6316 DATA ANALYSIS This course provides coverage of data analysis techniques that have specific applications for health and the applied sciences. An applied, conceptual approach will be used to facilitate the practical use of those techniques using SPSSPC+. Prerequisite: EXSS 6315 or equivalent or consent of instructor.

6320 ORGANIZATION AND DEVELOPMENT OF SCHOOL AND COMMUNITY RECREATION PROGRAMS Content, facilities, financial resources, motivation, methods, and evaluation of school and community recreation programs.

6325 SPORT LAW ASPECTS This course informs students about the most common legal aspects of sport organizations. Students will learn to be aware of legal issues facing sport organizations today, and how sport managers must remain informed about laws and regulations pertaining to sport. Information from this course will aid future sport managers in their decision-making process based on legal foundations.

6330 FOUNDATIONS OF EXERCISE AND SPORT SCIENCE An analysis of biological, philosophical, psychological, and sociological factors forming the body of knowledge which is exercise science. Pertinent governmental and historical events are also examined.

6333 EVALUATION OF CARDIORESPIRATORY ADAPTATION This course provides an in-depth analysis of the adaptations to the cardiorespiratory system as it pertains to exercise training.

The use of appropriate laboratory techniques will be explored in the assessment of cardiovascular and pulmonary responses. Curriculum prerequisite: EXSS 4300 or consent of instructor.

6334 CONTEMPORARY COACHING PROBLEMS Current problems in the coaching profession are discussed. Through group effort, outside readings, and visiting lecturers, workable solutions are identified and proposed.

6336 ANALYSIS OF HUMAN MOVEMENT This course involves qualitative and quantitative analysis of human movement, with particular emphasis on gait and locomotion. Students will learn the instrumentation, measurement techniques, and data analysis necessary to analyze human motion.

6337 EVALUATION OF NEUROMUSCULAR ADAPTATION This course provides an in-depth analysis of the adaptations to the neuromuscular system as it pertains to exercise training. The use of appropriate laboratory techniques will be explored in the assessment of neuromuscular responses.

6360 MEASUREMENT IN EXERCISE AND SPORT SCIENCE Advanced statistical and theoretical considerations of measurement and evaluation issues in health and in exercise and sport science.

6370 ATHLETIC ADMINISTRATION A study of philosophical and theoretical approaches to the administration of secondary and collegiate athletic programs.

6605 SPORT MANAGEMENT CAPSTONE COURSE: BUSINESS SIMULATION This course uses a business operations software program to test student knowledge from throughout the program. Students will run their own business and make decisions pertaining to various functions covered throughout the program: leadership, governance, finance, marketing, legal, statistical, communication, and public relations.

Family and Consumer Sciences

URL: http://uca.edu/gbulletin/courses/family-and-consumer-science/

[1] Graduate Courses in Family and Consumer Sciences (FACS)

5V30 SPECIAL TOPICS (Variable credit: 1-3 credit hours.) Special topics to cover varying areas of interests and needs.

5310 PROGRAM DEVELOPMENT IN FAMILY AND CONSUMER SCIENCES This course will focus on the development of FACS programs in educational settings. Specific topics will be selected based on current research. A review of innovative curriculum and an analysis of current needs will provide the basis for the development of model programs.

5355 METHODS AND MATERIALS IN VOCATIONAL FAMILY AND CONSUMER SCIENCES Secondary curriculum and teaching materials. Student organizations, extended learning experiences, the public relations and community service programs will be examined. An extensive review of literature will be required. The course will be a workshop format.

6300 CURRENT ISSUES IN FAMILY AND CONSUMER SCIENCES Recent advances in family and consumer sciences. Consideration of the total family and consumer sciences program in education, business, hospitals, community, and government agencies.

6301 HISTORY AND PHILOSOPHY OF FAMILY AND CONSUMER SCIENCES Provides an overview of the people, policies, and philosophies that shaped the profession of Family and Consumer Sciences in addition to an assessment of the current state of the profession.

6303 HISTORY OF FASHION Chronological study of fashion from ancient times to the twentieth century with emphasis on modern Western culture.

6305 PROBLEMS IN CONSUMER TEXTILES Recent developments in textiles in relation to use and performance, agencies aiding consumers, and standards in the textiles field.

6306 CLOTHING TRENDS This course is the study of contemporary apparel trends and design in the context of the fashion industry. It includes a review of psychological/sociological factors that motivate human behavior regarding fashion. The study will examine environmental, economic, and technological influences upon the fashion industry. Research assignments will investigate, analyze, and forecast interpretations of current fashion trends.

6309 CONSUMER ECONOMICS The family's problems in buying goods and services; government action relating to consumers; factors affecting prices of consumer goods.

6310 ADVANCED RESOURCE MANAGEMENT Theories of resource management, including decision making, organization, time management, resources, and values. Prerequisite: FACS 3311 or consent of instructor.

6311 READINGS IN FAMILY RELATIONS Current literature in marriage and the family.

6312 READINGS IN CHILD DEVELOPMENT Survey and evaluation of literature with implications for application in the family.

6315 READINGS IN ADOLESCENT DEVELOPMENT Survey and evaluation of literature with implications for adolescent development relevant to Family and Consumer Science professionals.

6320 DIRECTED STUDY Directed independent study of techniques for problem design, analysis, and evaluation in one of the five specialization areas of family and consumer sciences. May be repeated for credit. Prerequisite: Permission from instructor in area of specialization and chair of the Department of Family and Consumer Sciences.

6330 TRANSDISCIPLINARY ASSESSMENT OF YOUNG CHILDREN Issues involved in transdisciplinary assessment of children ages birth to five with special needs and their families. Procedures for selecting, administering, and interpreting assessment instruments will be discussed. Students will be given the opportunity to observe and/or participate in transdisciplinary assessment.

6331 READINGS IN PARENT AND CHILD RELATIONS Survey and evaluation of literature for parent child relations, parenting strategies.

6332 READINGS IN ADULT DEVELOPMENT AND AGING Survey and evaluation of literature with implications for adult development, particularly the later stages of life.

6335 EVIDENCE-BASED RESEARCH IN NUTRITION A study of the use of systematically reviewed scientific evidence in making food and nutrition practice decisions.

6341 HOUSING Physical, economic, and socio-psychological aspects of housing in relation to personal, family, and community resources.

6342 HOME FURNISHINGS Furnishings of the home from their practical and interior design aspects.

6344 THESIS RESEARCH I Proposal and approval of a thesis topic, review of related literature, presentation and approval of a research design. Prerequisite: Consent of the department.

6345 THESIS RESEARCH II Conduct research including collection of pertinent data and presentation of findings in thesis format. Prerequisite: Consent of the department.

6350 STATISTICAL METHODS IN FAMILY AND CONSUMER SCIENCES Students will develop knowledge of and skills in using statistical methods, matching statistical methods to research designs, using computer software to conduct appropriate statistical analyses, and interpreting and reporting findings. Prerequisite: successful completion of one of these courses—ASTL 6380, FACS 6335, H SC 6379—or consent of instructor.

6354 TRANSDISCIPLINARY INTERVENTION WITH YOUNG CHILDREN Analysis of the development of the Individual Family Service Plan (IFSP). Professionals from involved disciplines will discuss transdisciplinary strategies and materials used with young children with special needs in a variety of settings. Prerequisite: FACS 6330 or permission of the instructor.

Film

URL: http://uca.edu/gbulletin/courses/film-film/

[1] Graduate Courses in Film (FILM)

5V90 FILM INTERNSHIP (Variable credit: 1-3 credit hours.) The internship provides students an opportunity to integrate professional experience in the filmmaking industry with traditional academic study. Successful internships expose students directly to professional camera work, editing, writing, producing, and/or sound recording and design, and allow students to develop potential career contacts. Internships require 40 work-experience hours per credit hour (120 work-experience hours for three credits) to be completed and verified. Internships must be approved by the instructor or graduate coordinator. May be repeated for a maximum of six credit hours. Prerequisite: Admission to the MFA program in Film and permission of instructor.

5305 PRODUCTION DESIGN An elective course for Film graduate students. This is an advanced course in production design and art direction for filmmaking. Topics include the design process, visualization techniques, implementing scenery and costumes, the profession of designer, and the role of art director as head of a film production's art department. Students develop projects that show the impact scenery, light, costumes and props have in a completely designed production. Lecture. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5310 PRE-VISUALIZATION AND DIGITAL WORKFLOW Graduate level course required for MFA students in Film. This course covers the fundamentals of working in a primarily digital environment applied to filmmaking. Students will learn contemporary practices and technologies used in the pre-production process of filmmaking as well as focusing on the "digital pipeline" from story development to production, to post production, to multi-venue delivery methods. Lecture/Production. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5311 CINEMATOGRAPHY An elective course for Film graduate students. This advanced course expands students' understanding of visual storytelling through cinematography. Topics include creative approaches to composition, lighting techniques, digital cinema workflows, and color grading. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5320 FILM EDITING An elective course for Film graduate students. This is an advanced project-oriented lecture course in non-linear film editing, with an emphasis on classical continuity editing as a storytelling device. Topics include history, aesthetics, techniques, and technical aspects of editing. Emphasis will be placed on advanced short film development through editing. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5354 ANIMATION FOR VISUAL EFFECTS An elective course for Film graduate students. This is an advanced production class on the art and science of 3D computer animation for pre-rendered and real-time applications. Topics include planning, modeling, surfacing, lighting, animation, physical simulation, rendering, and compositing rendered footage for use in film visual effects. Lecture. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5355 VISUAL EFFECTS COMPOSITING An elective course for Film graduate students. This is an advanced production class on the art and science of visual effects compositing for filmmaking. Topics include the visual effects workflow, compositing strategies, shot planning, and post-production quality control and management. Lecture. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5363 AUDIO PRODUCTION AND DESIGN An elective course for Film graduate students. This course focuses on the advanced use of audio to support filmmaking and storytelling. Students will study and implement the elements of sound design to create full soundtracks for advanced film projects. Students will also learn to record and mix production audio using different types of microphones and recording equipment. Lectures, discussion, practical exercises. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5373 DOCUMENTARY PRODUCTION An elective course for Film graduate students. This is an advanced production class on documentary films and documentary filmmaking. Students will be exposed to a variety of documentary films encompassing different subjects and styles and will learn the advanced production process used in the planning, execution, and construction of short-format documentary. Lecture/Production. Prerequisite: Admission to the MFA program in Film or permission of instructor.

5392 TOPICS IN DIGITAL PRODUCTION Special topics in advanced issues of digital production, including but not limited to pre-production, digital cinematography, directing, and editing. May be repeated for credit. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6300 PRODUCTION PROJECT Graduate-level course required for the MFA program in Film. This is a project-oriented course that provides students the opportunity to create practical, team-based production projects suitable for portfolio inclusion. Repeatable for credit. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6316 FILM THEORY Graduate-level course required for the MFA program in Film. A historical account of theoretical writings about cinema, including apparatus theories, feminist theories, post-

structuralism, identity politics, and postmodernist theories of cinema. Lecture. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6317 COGNITIVE/ECOLOGICAL THEORIES OF CINEMA Graduate-level course required for the MFA program in Film. This course sets as its task the laying of a foundation for a theory of moving images which goes beyond traditional film theory and encompasses images that are currently being produced in the convergence of film, video, and computer technologies, taking into account the development of human capacities for perceiving mediated images and sounds. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6320 PRODUCTION SEMINAR: AUDIO Graduate-level course required for the MFA program in Film. This course is designed to develop skills in audio production for film and video. Production. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6321 PRODUCTION SEMINAR: CINEMATOGRAPHY Graduate-level course required for the MFA program in Film. An exploration of cinematography concentrating on composition and lighting. The student will get hands-on experience with camera and lighting equipment used to light and shoot a scene. Production. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6322 PRODUCTION SEMINAR: EDITING Graduate-level course required for the MFA program in Film. An advanced course on editing. Basic editing knowledge is required. The class will focus on use of current digital non-linear editing systems. Technical issues concerning non-linear editing will be covered. In addition, the general mechanics of editing as well as the history and aesthetics of editing will be discussed. Production. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6323 PRODUCTION SEMINAR: DIGITAL VISUAL EFFECTS Graduate-level course required for the MFA in Film. This is a course in the theory and practice of contemporary digital visual effects using a production-centric approach. The focus is on-set production practices, post-production techniques, and use of digital technology. Production. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6324 PRODUCTION SEMINAR: PRODUCING THE MOTION PICTURE Graduate-level course required for the MFA program in Film. The course covers the role of the independent producer through the life cycle of a project, from development, financing, and pre-production, through production, marketing, distribution, and exhibition. Students will develop their own business plans/prospectuses for original film projects of their own choosing. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6325 PRODUCTION SEMINAR: DIRECTING ACTORS Graduate-level course required for the MFA program in Film. Students will learn script analysis, casting, rehearsal technique, communicating and working with actors. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6326 STORYTELLING 2: DIRECTING THE MOTION PICTURE Graduate-level course required for the MFA program in Film. Course covers all aspects of directing, including working with actors, blocking and staging, shot creation and composition, visual design, and working with a production crew. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6327 STORYTELLING 1: INTRODUCTION TO VISUAL NARRATIVE Graduate-level course required for the MFA program in Film. The course introduces students to the fundamentals of visual and narrative storytelling for motion pictures, covering structure and construction of the motion picture treatment and screenplay as well as storyboarding and visual design. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6340 HISTORY OF AMERICAN CINEMA Graduate-level course required for the MFA program in Film. History of cinema in the United States from its beginnings around 1895 until present day. Relevant events are considered in chronological order with screenings of representative films from each decade. Topics discussed include changes in the national studio systems and the role of independent producers, as well as trends, movements, and influences. Cinema as a commercial enterprise as well as an artistic enterprise will be considered. The class will also address historiography—the way that historical information is gathered and organized. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6341 HISTORY OF INTERNATIONAL CINEMA Graduate-level course required for the MFA program in Film. History of international cinema from its beginnings around 1895 until the present day. Relevant events are considered in chronological order with screenings of representative films from each decade. Topics discussed include establishment and evolution of influential national cinemas as well as trends, movements, and influences. The class will also address historiography—the way that historical information is gathered and organized. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6360 STORYTELLING 4: SCREENWRITING Graduate-level course required for the MFA program in Film. Students will write a feature-length screenplay, reinforcing skills in scene structure, act structure, character, conflict, and other aspects of writing for the screen. Creative writing theory will also be discussed. Prerequisite: Admission to the MFA program in Film or permission of instructor.

6363 STORYTELLING 3: SHORT FILM WRITING Graduate-level course required for the MFA program in Film. The course addresses the unique structural and character demands of writing the short script (fewer than 60 pages). Prerequisite: Admission to the MFA program in Film or permission of instructor.

6390 DIRECTED STUDY IN FILM Graduate-level course. Involves in-depth study of a topic or topics to be determined by individual student need. May be repeated for up to six hours of credit. Prerequisite: Admission to the MFA program in Film and permission of instructor.

7V80 THESIS PROJECT (Variable credit: 1-6 credit hours.) An advanced culminating course in the MFA program in Film. Each student will be responsible for producing, directing, and editing a complex sync-sound narrative film (or video) production to completion. Because there are no scheduled class meetings, students will work independently while periodically seeking the assistance and approval of his or her thesis committee. The committee must approve the script, breakdown, and budget. The committee must approve the picture cut and sound cut as the student progresses through the project. Failure to seek the approval of the committee may result in a no-pass mark. Enrollment contingent upon the successful completion of the comprehensive exam, successful completion of 48 credits of course work toward the MFA, and the approval of the student's thesis committee. May be repeated for credit.

Finance

URL: http://uca.edu/gbulletin/courses/finance/

[1] Graduate Courses in Finance (FINA)

5330 PERSONAL FINANCE This course is designed to introduce the student to principles of personal finance. The focus will be on practical applications of personal financial planning including personal and household budgeting. Topics covered include income and taxes; insurance and employee benefits; money management, spending and credit, consumer protection and information, and savings and investing.

French

URL: http://uca.edu/gbulletin/courses/french/

Selected graduate courses are offered, but are not applicable to a degree program at UCA.

[1] Graduate Courses in French

5350 ADVANCED CONVERSATION AND PHONETICS Development of advanced oral proficiency including a study of French pronunciation habits. Prerequisite: One 4000-level course in French or permission of the department.

5395 ADVANCED FRENCH LITERATURE: THEME COURSE Special studies in various genres, literary movements, or authors. May be repeated for credit under different topics. Prerequisite: One 4000-level course in French or permission of the department.

Gifted and Talented Education

URL: http://uca.edu/gbulletin/courses/gifted-and-talented-education-gate/

[1] Courses in Gifted and Talented Education (GATE)

Note: Courses bearing the GATE subject prefix were designated ECSE through Summer 2015.

6353 INTRODUCTION TO GIFTED EDUCATION This course explores the characteristics of the gifted, talented, and creative child. Emphasis is placed on (a) historical development of the field, (b) characteristics and identification, (c) K-12 programming options and models pertaining to the field of gifted education, and (d) educational programs and interventions.

6355 CURRICULUM AND INSTRUCTION FOR GIFTED LEARNERS This course teaches candidates how to design differentiated curricula and the strategies necessary to effectively provide appropriate experiences, materials, and environments conducive to optimum learning and development of the gifted and talented.

6357 CREATIVITY, INNOVATION, AND TRENDS IN GIFTED EDUCATION This course explores current trends and issues in gifted education, including meeting the needs of creative students, talent development and innovation, and identifying and serving promising underrepresented groups.

6358 AFFECTIVE STRATEGIES FOR THE GIFTED AND TALENTED This course examines the strategies necessary to address psycho-social needs related to personality, maturity, giftedness, and creativity. Concrete strategies for managing students' emotional needs are provided, as well as appropriate experiences, materials, and environments conducive to optimum learning/development of the gifted and talented.

6391 ADVANCED PRACTICUM: EDUCATIONAL PRACTICE IN GIFTED EDUCATION Learning experiences are provided which incorporate skills in classroom organization, management, planning, and teaching in a field setting. Candidates will teach students with gifts and talents in informal, out-of-school settings. Candidates can choose to take Advanced Practicum during the summer in a summer camp (STEMulate Engineering Academy) or during the spring across 4 Saturdays (STEMulate Saturdays). Prerequisites must be completed BEFORE (not simultaneously with) the practicum course. Prerequisites: GATE 6357, 6353, 6355, and 6358.

Geography and GIS

URL: http://uca.edu/gbulletin/courses/geography-and-gis/

[1] Graduate Courses in Geography and GIS (GEOG)

5310 GEOGRAPHIC INFORMATION SYSTEMS A required course for participants in the Graduate Certificate Program in Geographic Information Systems (GIS). Through readings, computer exercises, and projects, this course examines the principles and techniques of computer handling of geographic data. The course includes the examination and evaluation of the characteristics, capabilities, and applications of various GIS techniques. Topics covered can include spatial data types and data structures, managing map image files, common analysis functions, data quality and map error estimation, and common applications areas. Students enrolled in this course must have access to specialized software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through Blackboard. Prerequisite: None.

5312 HEALTH APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS This course investigates emerging applications of geographic information systems (GIS) to health-related fields. Course topics include the use of GIS to map health-related events, identify disease clusters, investigate environmental health problems, and understand the spread of communicable and infectious disease. This course embeds GIS software instruction in the context of carrying out projects for visualizing and analyzing health-related data. Prerequisite: None.

5315 MAPPING FUNDAMENTALS FOR GEOGRAPHIC INFORMATION SYSTEMS Since GIS products and reports contain a high proportion of graphic components such as maps, charts, statistical summaries, and diagrams, good cartographic design skills are important to anyone working with GIS technology. Through textbook and journal readings, advanced computer exercises and projects, students enhance their graphic communication skills from both a theoretical and hands-on perspective. Students enrolled in this course must have access to specialized software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through Blackboard. Prerequisite: GEOG 5310 or consent of instructor.

5316 REMOTE SENSING FOR TEACHERS This course introduces K-12 teachers to the physics, interpretation, and analysis of remotely sensed data and to how imagery can be used to enhance instruction and increase student interest. Actual content, format, and activities will vary by

semester and include some combination of traditional lecture/laboratory, intensive workshops, field-based activities, and individualized instruction. This course may be repeated for credit when content is different. Prerequisite(s): consent of instructor.

5317 GEOGRAPHIC INFORMATION SYSTEMS FOR TEACHERS I This course introduces K-12 teachers to applications of geographic information systems as instructional tools in the public school classroom. Actual content, format, and activities will vary by semester and include some combination of traditional lecture/laboratory, intensive workshops, field-based activities, and individualized instruction. Prerequisite(s): consent of instructor.

5318 GEOGRAPHIC INFORMATION SYSTEMS FOR TEACHERS II This course builds on the learning from the previous course in the sequence to help K-12 teachers learn to develop unit plans making extensive application of geographic information systems as instructional tools. Actual content, format, and activities will vary by semester and include some combination of traditional lecture/laboratory, intensive workshops, field-based activities, and individualized instruction. This course may be repeated for credit when content is different. Prerequisite(s): consent of instructor.

5325 GLOBAL STUDIES A graduate elective. Through lecture and discussion, this course stresses the commonalities of peoples around the globe–all of whom have the same basic needs and face the same mega problems. The concepts of culture, values, diversity, perspectives, conflict, interdependence, and change are central to the course and are used to analyze various global issues. Prerequisite: Some college/university-level geography courses or consent of instructor.

5340 FUNDAMENTALS OF DATABASE DESIGN AND DEVELOPMENT Through readings, discussions, computer exercises, and projects, students will examine the principles of database design; design elements; graphic, topological, and tabular data structures; record and file formats; file organization and indexing; and hierarchical DBMSs. The principles and rules for relational, topological, and object-oriented DBMSs will also be addressed along with the development and amendment of prototype systems to meet user needs, specifications and predefined standards of design, testing, and overall documentation. Student projects will include constructing a variety of databases and demonstrating their operation. Students enrolled in this course must have access to specialized software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through Blackboard. Prerequisite: GEOG 5310 or consent of instructor.

5345 DIGITAL IMAGE PROCESSING FOR GIS Through readings, computer exercises, and projects, this course focuses on digital processing of satellite images and aerial photographs derived from remote sensing platforms for earth resource management applications. The course emphasizes remote sensing processes, data acquisition alternatives, image processing system consideration, image display and scientific visualization, radiometric and geometric image correction, image enhancement and image classification techniques, as well as change detection analysis using remotely-sensed data to solve real world problems. An advanced project utilizing the techniques of satellite digital image analysis with an environmental focus of a selected area of the United States (or other part of the earth's surface) is completed as the final project. Students enrolled in this course must have access to specialized software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through Blackboard. Prerequisite: GEOG 5310 or consent of instructor.

6V60 DIRECTED READINGS AND RESEARCH IN GIS (Variable credit: 1-3 credit hours.) Detailed examination of a specific topic in geographic information systems through examination of appropriate scholarly works or through completion of a research project under the direction and supervision of a faculty member. The course is facilitated through Blackboard. Prerequisite: GEOG 5310.

6V85 GIS GRADUATE PROJECT (Variable credit: 1-3 credit hours.) This is the capstone course for the MGIS non-thesis option. An appropriate GIS project will be developed by the student in close consultation with the academic advisor. Because GIS projects vary considerably in scope and purpose, individuals GIS Graduate Project deliverables will likewise vary but will include some combination of written project report, maps, database development, and GIS modeling and analysis. This activity is analogous to the composition of a thesis in the standard MGIS program, but places less emphasis on the work's original contribution to scholarly knowledge and instead focuses on guided GIS project development and implementation such as our professional students undertake in the workplace. Students must complete a total of 3 credit hours of GIS Graduate Project to complete the program. Prerequisite: GEOG 6380.

6V90 THESIS RESEARCH (Variable credit: 1-3 credit hours.) Research writing, and oral defense of a master's thesis on geographic information systems. May be repeated for up to 6 credit hours. The course is facilitated through Blackboard. Prerequisite: GEOG 6380.

6320 TECHNICAL ISSUES IN GEOGRAPHIC INFORMATION SYSTEMS Through reading, writing, and examining technology, students will become familiar with many of the common and sometimes troubling issues in GIS. Some of those issues include the variety of coordinate systems, projection choices, software, accuracy, and rubber sheeting. Much of the course will be comprised of written reports and papers which discuss and evaluate these issues. Students enrolled in this course must have access to specialized software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through Blackboard. Prerequisite: GEOG 5310 or consent of instructor.

6328 SPATIAL ANALYSIS AND MODELING Through readings, computer exercises, and projects, the course emphasizes the fundamental statistical methods and procedures relevant to geographic data and spatial analysis. Topics include inferential statistics pertaining to geographic data; Voronoi's diagram and the spatial concept; regression and spatial autocorrelation; point, line, and polygon data patterns and their trend analyses, spatial dependence; interpolation; uncertainty, spatial accuracy assessment and error estimations, overlay analysis, etc. A sophisticated final project, which utilizes statistical and analytical procedures, will be included. Students enrolled in this course must have access to specialized software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through Blackboard. Prerequisite: GEOG 5310 or consent of instructor.

6330 ENVIRONMENTAL APPLICATIONS OF GIS This advanced project-driven elective is designed for graduate students interested in the variety of environmental applications of GIS. Activities will vary with instructor, but may include such topics as human impacts on the landscape, environmental hazards, endangered species habitat inventory and protection, point and non-point pollutant sources, environmental justice, land use and land cover change, and environmental remote sensing. The student will use GIS software to complete directed exercises, as well as for the development of an individual project. Prerequisites: GEOG 5310 and 5315.

6333 GIS FOR PLANNING AND PUBLIC ADMINISTRATION This course is designed to meet the GIS needs of planners, public administrators, or consultants working with projects for governments or NGOs. Topics covered through readings, discussions, and software exercises include the following: projections and coordinate systems (especially State Plan and UTM), TIGER files, the integration of tabular Census data, cadastral mapping, networks (utility, highway, etc.), and demographic analysis. Students enrolled in this course must have access to specialized software. The course is facilitated through Blackboard. Prerequisite: GEOG 5310 or consent of instructor.

6370 ADVANCED GIS This course builds on skills learned in GEOG 5310 to introduce more advanced concepts, techniques, and applications of GIS software and tools. Topics can include web mapping, scripting, spatial analysis, geostatistical analysis, and 3D analysis. The course's primary objective is to increase the student's ability to think spatially to solve geospatial questions in both vector and raster data environments. Prerequisites: GEOG 5310 and 5315.

6380 GIS RESEARCH METHODOLOGY Familiarization and practice with the tools and methods of research in geographic information systems at the graduate level. The course is facilitated through Blackboard. Prerequisite: GEOG 5310, Geographic Information Systems and GEOG 6328, Spatial Analysis and Modeling.

Health Education

URL: http://uca.edu/gbulletin/courses/health-education/

[1] Graduate Courses in Health Education (H ED)

5V65 FIELD EXPERIENCE IN HEALTH EDUCATION (Variable credit: 3 or 6 credit hours.) Diverse experiential offerings in the United States and international settings designed to immerse the student in health-related topics.

5301 HEALTH EDUCATION IN THE MEDICAL CARE SETTING Principles of planning and theories of patient education.

5302 HEALTH EDUCATION IN THE WORKSITE Methods of health promotion uniquely suited to the worksite setting. Emphasis on program organization, implementation, and methodology.

5303 ENVIRONMENTAL HEALTH PROBLEMS An in-depth study of environmental issues and their influence on human health.

5306 HEALTH LITERACY This course is designed to provide health professionals with the knowledge and skills required for effective communication with clients who have low health literacy. The foundations of health literacy, its prevalence and the consequences for the health care system and health education are addressed.

5310 HEALTH CONCERNS OF AGING A study of the influences of health concerns on the aging process.

5320 HEALTH PROMOTION INTERVENTIONS A comprehensive view of community based health promotion interventions utilizing communication and social marketing strategies in the public health setting. Focuses on environmental behavior change strategies.

5343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS A study of the health concerns of various ethnic groups, integration of Western health programs in traditional cultural environments, and research skills relevant to health-related issues in multicultural populations.

5350 HEALTH EDUCATION IN THE ELEMENTARY SCHOOLS Preparation of the elementary teacher with skills and techniques for teaching health education in the elementary school.

5351 HEALTH EDUCATION TECHNIQUES IN THE MIDDLE SCHOOLS Preparation of the middle school teacher with skills and techniques for teaching health education in the middle school.

5352 HEALTH EDUCATION IN THE SECONDARY SCHOOLS Preparation of the junior or senior high school teacher with skills and techniques for teaching health education in the junior or senior high school.

5370 ADMINISTRATION OF HEALTH PROGRAMS Fundamental concepts of administration, management, and leadership in a variety of health education, health promotion, and wellness programs.

6310 HEALTH EDUCATION CURRICULUM AND INSTRUCTION Curriculum content and instructional methods in health education.

6311 HEALTH APPRAISAL OF SCHOOL CHILDREN The school health service program with emphasis on the teacher's role in identification of pupil health problems.

6321 FOUNDATIONS OF HEALTH EDUCATION An overview of the competencies of a health educator and of major theories and principles of health education as they apply to health education practice. Trends and issues in health education are also discussed.

6331 ADVANCED PROGRAM PLANNING AND EVALUATION Conducting in-depth educational diagnosis of existing programs and the advancement of skills to plan and evaluate comprehensive programs in the community, clinical, and/or hospital settings. Emphasizes entry-level and master-level program planning and evaluation competencies of the health education specialist.

6345 DRUG EDUCATION AND PREVENTION This course will overview the current drugs of use and abuse as well as the biological, sociological, psychological, and legal issues associated with these drugs in our culture. Emphasis will be given to effective prevention, education, and treatment strategies and programs.

6350 CONTEMPORARY HEALTH PROBLEMS An in depth study of health problems related to personal and community health.

6353 ISSUES AND RESEARCH IN SEXUALITY Critical investigation of the issues related to human sexuality with an emphasis on research. Students will plan, conduct, and report original research findings.

6354 ISSUES AND RESEARCH IN WOMEN'S HEALTH This course explores contemporary issues and research in women's health across the lifespan. The social, physical, mental, emotional, political and economic factors that affect women's health around the world will be examined, and the role advocacy plays in improving women's health will be discussed.

6361 EPIDEMIOLOGY IN HEALTH EDUCATION The basic principles of epidemiology with emphasis on the causation and effects of disease on populations. Special emphasis on the fundamentals of epidemiological study design and use of resulting data in the health sciences.

6371 DIRECTED INDEPENDENT STUDY Directed study and research in a selected area of health education. Prerequisite: Student enrolled in MS in Health Sciences with a minimum of 15 graduate hours.

History

URL: http://uca.edu/gbulletin/courses/history/

[1] Graduate Courses in History (HIST)

5301 AMERICAN ENVIRONMENTAL HISTORY This course explores current trends and issues in gifted education, including meeting the needs of creative students, talent development and innovation, and identifying and serving promising underrepresented groups.

5302 HISTORY OF WITCHCRAFT This upper division course explores the history of witchcraft in Europe and the British colonies culminating in an in-depth examination of the Salem witch trials. We will pay particular attention to magical knowledge and the social, cultural, religious, and political causes of witchcraft accusations. We will also discuss the profile and stereotype of the witch as well as what circumstances might make people usually safe from accusations equally susceptible.

5305 THE UNITED STATES AND THE MIDDLE EAST, 1776 TO THE PRESENT An overview of the evolution of the relationship between the United States and the Middle East from American independence to the present day.

5306 ATLANTIC SLAVE TRADE This course covers the history of the trans-Atlantic slave trade from the early 16th to the late 19th century. Students examine why Europeans bought slaves, why Africans sold slaves, how slaves coped, resisted, and adapted, and how the Atlantic slave trade came to an end. Lecture, discussion, document analysis, writing.

5308 GENDER IN AMERICAN HISTORY Examines the history of gender in American history from the colonial period to the present. Emphasis on class, race, and ethnic differences.

5311 AMERICAN COLONIAL AND REVOLUTIONARY HISTORY The age of exploration, colonization, and developments leading to the American Revolution, 1492-1783. Emphasis on the contribution of the era to American political, social, and intellectual tradition.

5322 EARLY NATIONAL HISTORY, 1783-1848 The course covers the social and political development of the United States from its origins in 1787 to 1848. The class focuses on the debate over the Constitution, political and philosophical differences among Americans in the early republic, the market revolution, social change and reform of the antebellum period, the political controversies of the 1790s and the 1830s, westward expansion, sectional tensions and the differences in the social and economic development of different regions of the United States. Lecture, discussion, analysis of documents, participatory classroom activities, research, and writing.

5324 TOPICS IN AMERICAN HISTORY Students study special topics in American history to be determined by instructor and the needs of students who enroll. This course can be repeated for credit. Lectures, discussion, analysis of documents, writing.

5327 THE AMERICAN WEST Influence of the frontier and of western expansion on the history of the United States.

5328 MODERN LATIN AMERICA An examination of critical issues that challenge the countries of contemporary Latin America, from race and the environment to debt, development, and democracy.

5330 CIVIL WAR AND RECONSTRUCTION, 1848-1877 Upper-division elective. The course covers the sectional crisis of the 1850's, the establishment of the Confederate States, social and political developments in the Union and Confederacy during the war, emancipation, military policy and strategy, and Reconstruction. Lecture, discussion, analysis of documents, participatory classroom activities, research, and writing.

5333 UNITED STATES IMMIGRATION AND ETHNIC HISTORY FROM COLONIAL TIMES TO PRESENT This course examines immigration to the United States from the colonial period to the present. It considers social, cultural, political, and economic themes to analyze immigrant experiences and explain native-born attitudes toward newcomers. Lecture, discussion, document analysis, writing.

5334 TOPICS IN EUROPEAN HISTORY Students study special topics in European history to be determined by instructor and the needs of students who enroll. This course can be repeated for credit. Lectures, discussion, analysis of documents, writing.

5335 DIPLOMATIC HISTORY OF THE UNITED STATES Survey of the diplomatic history of the Revolutionary period, the early national era, the Civil War, America's rise to world power, two world wars, and the Cold War.

5336 WORK, WEALTH, AND POWER IN UNITED STATES HISTORY This course explores the social and cultural history of the American working classes. Topics include the rise of industrialization and wage labor, slavery, the labor movement and labor relations, war, deindustrialization, and globalization. While the emphasis will be exploring the beliefs and experiences of American workers, the course will also pay attention to the historical development of capitalism in the United States and will examine the relationships of power between Americans of different economic positions.

5338 AMERICAN HISTORY THROUGH FILM Examination of how the history of film and the film industry in America relates to broader political, economic, cultural and social trends.

5340 THE EMERGENCE OF MODERN AMERICA, 1877-1920 Topics examined include the conquest of the last western frontier, the rise of big business, progressivism, and the United States as a world power.

5343 HISTORY OF MEXICO A history of the world's most populous Spanish-speaking country, focusing mostly on the events and figures after 1800. Topics include the War of Independence, the role of the peasantry and organized labor, Mexican Catholicism and Church-State Relations, the Mexican Revolution, relations with the U.S. and the world, emigration and immigration, and NAFTA.

5344 TOPICS IN WORLD HISTORY Students study special topics in World history to be determined by instructor and the needs of students who enroll. This course can be repeated for credit. Lectures, discussion, analysis of documents, writing.

5345 THE SOUTH TO 1865 Survey of the old South, with an emphasis on southern nationalism, slavery, politics, and social and intellectual developments.

5346 THE SOUTH SINCE 1865 The path of the South back into the Union, the problems faced by the region, and their legacy to the present.

5347 IDEAS AND SOCIETY IN MODERN EUROPE A study of the inter-relationships among the arts, science, religion, and social change in Europe since 1648.

5350 AMERICA IN DEPRESSION AND WAR, 1920-1960 Examination of political, social, economic, and intellectual developments. Topics include the Twenties, the Depression, America in World War II, and the Cold War.

5355 THE ROLE OF ARKANSAS IN THE NATION United States history as reflected in the history of Arkansas. Emphasis on the ways Arkansas reflects or departs from national trends.

5358 RECENT AMERICAN HISTORY The political, social, cultural, diplomatic, and economic history of the United States from 1960 to the present.

5359 HISTORY OF THE CIVIL RIGHTS MOVEMENT Explores the origins, development, and impact of 20th century African American struggles for equality, focusing on the post-WWII civil rights movement and the rise of Black Power. Special attention to the impact of these movements on domestic politics, education, foreign policy, and popular culture.

5360 THE MEDITERRANEAN WORLD IN LATE ANTIQUITY, 300-900 AD Examines the political, social, economic, religious, and intellectual development of the Mediterranean World from the establishment of Christianity as an officially sanctioned religion to the dawn of the feudal age. Lectures, discussion, analysis of documents, writing.

5361 THE MEDITERRANEAN WORLD IN THE MEDIEVAL PERIOD, 900-1400 AD Examines the political, social, economic, religious, and intellectual development of the Mediterranean World during the High Middle Ages. Lectures, discussion, analysis of documents, writing.

5362 TUDOR AND STUART ENGLAND 1485-1690 A survey of the political, religious, social, and economic history of England and the British Isles during the sixteenth and seventeenth centuries.

5365 THE HISTORY OF IMPERIALISM: A REVIEW OF WORLD COLONIAL SYSTEMS This course is a review of world imperialism from the early modern era through the nineteenth and twentieth centuries. The course will consider political, economic, social, class, gender, geographical, and ethnological themes and addresses the perspective of the West and other cultures (particularly in Africa and Asia). Prerequisites: HIST 1320, 2320.

5369 VICTORIAN BRITAIN A historical survey of the primary elements constituting British society from the end of the Napoleonic period through the First World War.

5370 EUROPE, 1815-1914 Europe's political and cultural development from the Vienna Congress to the eve of World War I.

5374 THE EUROPEAN RENAISSANCE AND REFORMATION The early modern age in Europe.

5376 EUROPE, 1914-1939 Background and history of World War I; peacemaking and international organization; the rise of Fascism, National Socialism, and Japanese imperialism; and collapse of the peace.

5377 EUROPE IN A GLOBAL ERA World War II, the Cold War, development of the European Union, collapse of the Soviet Union and other recent events.

5381 MODERN CHINA Chinese history in the nineteenth and twentieth centuries.

5383 MODERN JAPAN Japan since 1800, including such topics as the overthrow of feudalism, the Meiji Restoration, the struggle for representative government, imperialism, ultranationalism, militarism, and the economic miracle.

5385 FRENCH REVOLUTION AND NAPOLEON The causes of the revolution and its impact on France and Europe with emphasis on social, political, and economic changes through revolution and the reforms of Napoleon.

5386 THE WAR IN THE PACIFIC, 1931-1945 Critical evaluation of Japanese-American relations covering such topics as Asian nationalism, Western imperialism, and Japanese expansion. (This course may be counted as either United States or World History.)

5390 ROMAN CIVILIZATION This course traces the development of the Roman World from its inception to the last days of the Tetrarchy and the eventual splintering of Roman territory.

5391 TOPICS IN HISTORY Special topics in history to be determined by the needs of students who enroll.

5394 GERMANY SINCE 1918 A survey of German history since World War I, including the Weimar Republic, the Third Reich, World War II, and the division and reunification of postwar Germany.

5397 HISTORY OF IRELAND, 1500-PRESENT Examines major themes in Irish history from the Tudor conquest of Ireland, and the ensuing Ulster plantation in the early 17th century, to the modern Troubles in Northern Ireland.

5398 THE POLITICS OF SEX AND SEXUALITY IN MODERN EAST ASIA This discussion-focused seminar course examines the role that sex and sexuality have played in the intersection of state power and individual experience in East Asia, from the eighteenth century to the present. Students will examine a combination of primary and secondary sources, with a special emphasis on how historians have used gender theory and queer theory to understand Chinese and Japanese political development.

6V01 THESIS RESEARCH (Variable credit: 1-3 credit hours.) Thesis research. Repeated for six hours of degree credit. Students who do not complete the thesis within six hours must continue to enroll in the course for one hour each fall and spring semester until the thesis is complete.

6300 HISTORIOGRAPHY AND METHODS An introduction to historiography and historical methods. This is a required course.

6303 SELECTED TOPICS IN AMERICAN HISTORY Examination of a specified topic in American history. (This course can be repeated if a different topic for credit.)

6304 SELECTED TOPICS IN EUROPEAN HISTORY Examination of a specified topic in European history. (This course can be repeated if a different topic for credit).

6305 SELECTED TOPICS IN NON-WESTERN HISTORY Examination of a specified topic in non-Western history. (This course can be repeated if a different topic for credit.)

6310 ADVANCED SOCIAL STUDIES INSTRUCTIONAL METHODS Advanced Social Studies Methods combines education theory and best practice to offer experienced and novice teachers the opportunities to strengthen their teaching skills through readings, discussions, research, and active learning experiences. The class will be offered in the summer, with a mixed format of pre-institute, online discussions of readings, written assignments and a five-day summer institute. The course is open to licensed teachers and students enrolled in the Master of Arts in Teaching program.

6315 THE CIVIL WAR ERA This course is an intensive reading seminar on the Civil War era. It addresses the institution of slavery, the rise of sectional politics and the struggle over slavery's expansion into the West, the secession crisis, military strategy, daily life on the home front, emancipation, post-war Reconstruction, and how we remember and memorialize the war in the 20th and 21st centuries.

6323 COLONIAL AND REVOLUTIONARY AMERICA, 1492-1789 Principal interpretive problems of the Colonial and Revolutionary eras.

6324 NINETEENTH-CENTURY AMERICA Reading Seminar. This course provides an in-depth examination of scholarly work about the economic, social, political, and intellectual transition of the United States over the course of the Nineteenth Century from a pre-modern to a modern society. Discussion, completion of historiography paper. Prerequisite(s) None.

6325 TWENTIETH-CENTURY AMERICA The complexities and strains in American society associated with the rise to political, economic, and military power in the global community.

6340 CONTEMPORARY EUROPE, 1945-PRESENT An intensive examination of post-war Europe.

6341 MEDIEVAL HISTORY, 450-1450 The complexities of a developing European society as it goes through the processes of economic development, urbanization, social and political stress, and intellectual formation.

6342 EARLY MODERN EUROPE Reading Seminar. This course explores themes relating to the Renaissance, the Reformation, and the subsequent political and religious upheaval of early modern Europe.

6345 MODERN EUROPE, 1870-1945 Development of modern Europe with an emphasis on the world wars, failure of peace conferences, and the rise of the dictators.

6350 AFRICAN HISTORY This course is intended for students who wish to engage in an in-depth study of the economic, social, political, and intellectual forces and trends that have shaped the history of modern Africa. Discussion, completion of historiography paper.

6370 HOLOCAUSTS IN HISTORY A study of the Holocaust of World War II in comparison with other genocides of the twentieth century, such as the Armenian, Cambodian, and Rwandan genocides.

6371 RESEARCH IN HISTORY An advanced course in historical research and scholarly writing. Students will be expected to produce an article-length paper based on primary sources. This is a required course.

6397 INDEPENDENT STUDY IN HISTORY

6399 ASIAN HISTORY

Health Sciences

URL: http://uca.edu/gbulletin/courses/health-sciences/

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

5305 TECHNOLOGY APPLICATIONS IN THE HEALTH SCIENCES This course includes examination and application of computerized health assessments, health promotion on the Internet, spreadsheets and databases, and advanced presentation and desktop publishing software.

5370 ADMINISTRATION OF HEALTH PROGRAMS Fundamental concepts of administration, management, and leadership in a variety of health education, health promotion, and wellness programs.

6V80 THESIS RESEARCH I (Variable credit: 1-3 credit hours.) Proposal and approval of a thesis topic, review of related literature, presentation and approval of a research design, and collection of pertinent data. Prerequisite: Consent of the department.

6V90 THESIS RESEARCH II (Variable credit: 1-3 credit hours.) Completion of the data collection, writing of thesis, and defense of the thesis. Prerequisite: Consent of the department.

6330 BIOSTATISTICS FOR PUBLIC HEALTH An introduction to biostatistics data collection, management, analysis, description, and inference.

6335 GRANTWRITING Course addresses the development of grants and contracts and presents an overview identifying funding sources.

6379 RESEARCH IN HEALTH SCIENCES A comprehensive overview of the foundation of applied health science research. Emphasis is placed on preparing students to conduct health science research. The course seeks to enhance students' knowledge, skills, and expertise in the fundamentals of qualitative and quantitative research design, implementation, and evaluation.

Insurance and Risk Management

URL: http://uca.edu/gbulletin/courses/insurance-and-risk-management/

[1] Graduate Courses in Insurance and Risk Management (INSU)

5124 SEMINAR IN INSURANCE AND RISK MANAGEMENT This course is designed to introduce high school teachers to the principles of risk management and insurance. The primary focus of this introductory course is on evaluating life, health, retirement, property, and liability exposures and the use of insurance as a technique for financing these exposures. This is a community outreach course and does not fulfill any requirement in an existing degree program. Lectures, group activities, discussion.

5324 FUNDAMENTALS OF RISK AND INSURANCE This course is designed to introduce the student to the principles of risk management and insurance. The primary focus of this introductory course is on evaluating life, health, retirement, property, liability and personnel exposures to loss and analyzing the methods for managing risks. Risk management and insurance techniques for dealing with potential losses to individuals and organizations will be emphasized.

Instructional Technology

URL: http://uca.edu/gbulletin/courses/instructional-technology/

[1] Courses in Instructional Technology (ITEC)

5345 FUNDAMENTALS OF WEB DESIGN This course assists professionals in technical and educational fields to develop effective web sites using HTML code as well as design principles using graphics, text, and color.

6V10 SPECIAL PROJECTS (Variable credit: 1-3 credit hours.) Studies in diverse areas of Instructional Technologies which are not included within the content of courses offered by the department. No more than three hours of special projects credit can be applied to a degree program. Prerequisite: Permission of Instructional Technology Coordinator.

6305 FOUNDATIONS OF DISTANCE EDUCATION This course will provide an overview of distance education definitions, concepts, history, characteristics, philosophy, issues, learning theories, and instructional procedures. Candidates are required to investigate current issues in distance education and review distance education history and learning theories. Candidates will analyze the characteristics of distance education and apply their findings pedagogically through course projects.

6310 SPECIAL PROJECTS Studies in diverse areas of Instructional Technology which are not included within the content of courses offered by the department. No more than three hours of special projects credit can be applied to a degree program. Prerequisite: Permission of ITEC Program Coordinator.

6315 DISTANCE EDUCATION COURSE DESIGN, IMPLEMENTATION, AND EVALUATION This course requires candidates to examine the process of Instructional Systems Design (ISD) as it relates to distance education course development. Various instructional design models to develop distance education courses will be investigated. The Analysis, Design, Development, Implementation and Evaluation Model (ADDIE) will be introduced and used. Candidates will concentrate on web-based courses in the areas of design and delivery. Course implementation and evaluation will also be investigated.

6318 MICROCOMPUTER NETWORKING Basics and protocols of data communication and architecture, LANS, and cabling; networking operating systems; and troubleshooting microcomputer networks. Prerequisite: ASTL 5325.

6325 DISTANCE EDUCATION TECHNOLOGY This course provides a review of the history of technology used in distance education. Basic terminology and technology (hardware, networks, and software) are examined. Asynchronous and synchronous technologies and tools used in teaching and learning are analyzed. Technology specific to online technology is explored along with the

criteria and guidelines for selecting technologies for distance education. The future of technology in distance education is investigated.

6330 WEB-BASED TEACHING AND LEARNING This course examines a variety of theoretical approaches to teaching and learning in a distance education environment. Class management, building communities online, and interactive strategies are major topics of the course. Candidates will also explore the context in which teaching and learning occurs, including the needs of diverse learners, technology access equity/inequity issues, academic integrity, digital divide, and cultural awareness issues. Course management software (i.e., Blackboard, WebCT, Learning Space) will also be examined.

6335 COMPUTER APPLICATION SOFTWARE Introduction to applications software, emphasizing word processing, database management, spreadsheets, and integrated software. Hardware specifications and configurations as well as the retrieval of information from external sources will be investigated. Prerequisite: ASTL 5325.

6337 COMPUTER GRAPHICS AND ANIMATION Production of computer graphics and animation. Prerequisite: Computer experience and consent of instructor.

6340 DESIGN AND PRODUCTION OF MEDIA RESOURCES I Media production in terms of client product specifications. Requires the production of basic media products and serves as a foundation for producing graphic media necessary for televised, photographic, and computerized productions.

6341 DESIGN AND PRODUCTION OF MEDIA RESOURCES II Continuation of ITEC 6340. Extension of fundamental techniques and the production of more complex media. Prerequisite: ITEC 6340.

6342 ADVANCED INSTRUCTIONAL TECHNIQUES FOR TRAINERS Selection or design of instructional training strategies based upon adult learning theories.

6350 INSTRUCTIONAL DESIGN Development of an instructional prototype based upon specifications for instruction. Introduction to the systems approach to the design and development of instruction.

6351 INSTRUCTIONAL PRODUCT DEVELOPMENT Developmental procedures necessary to produce validated learning packages in a variety of media formats.

6354 MULTIMEDIA Computer applications as applied to education and instruction. Emphasis on hardware/software components and the design and construction of a multimedia presentation.

6355 INSTRUCTIONAL SOFTWARE DESIGN AND PROGRAMMING Integration and application of instructional design and development concepts as applied to the production of instructional software for education, business, and medicine.

6357 DIAGNOSTIC TECHNIQUES FOR COMPUTER MAINTENANCE AND REPAIR Discussions and exercises concerning concepts, design criteria, general circuitry theory, module installation, system configurations, and preventive maintenance of microcomputers.

6360 INTELLECTUAL PROPERTY AND COPYRIGHT This course will provide an overview of intellectual property issues that impact digital media. As both creators and users of copyrighted information, instructional technology leaders are affected by the rules surrounding ownership and use of information. This course will also address plagiarism in the digital environment.

6365 NETWORKING TECHNOLOGIES Administration of client/server networks, with an emphasis on network operating system software. Course includes implementing a working network server.

6368 TECHNOLOGY PLANNING AND LEADERSHIP Management of electronic resources in schools, businesses, and industries including related activities: planning, design, policy making, maintenance, and training programs.

6370 LEADERSHIP IN DISTANCE EDUCATION This course provides candidates with the opportunity to develop leadership skills in the area of distance education. The organization, management, and administration of distance education systems will be investigated as well as ethical issues in distance education. A variety of leadership issues in business and educational environments will be discussed. Topics include leadership skills, institutional issues, employee/student relations, staff/faculty development, collaboration, funding, policy, resource support, and ethics.

6375 GLOBAL INFORMATION RESOURCES Techniques and processes for accessing and retrieving global information resources through networks for instructional design purposes.

6391 APPRENTICESHIP IN INSTRUCTIONAL TECHNOLOGIES This capstone course requires candidates to engage in supervised field experience, observation, and practice, in an approved organization. This course is designed to enable candidates to engage in on-the-job experiences under the supervision of a qualified professional and a college instructor. Candidates are required to accumulate 100 clock hours of practical experience engaging in activities within the instructional technology field.

6392 SEMINAR: TRENDS/ISSUES IN INSTRUCTIONAL TECHNOLOGIES A course designed to provide exploration of current topics relevant to instructional technology leaders. Current relevant issues that will be discussed include project management, personnel management, ethical use of technology, copyright, technology planning, and professionalism.

Leadership Studies

URL: http://uca.edu/gbulletin/courses/leadership-studies/

[1] Graduate Courses in Leadership Studies (LEAD)

6V90 SPECIAL TOPICS (Variable credit: 1–3 credit hours.) Course focuses on a specific topic appropriate to the programs and mission of the Department of Leadership Studies. Students will research the topic and develop work samples that demonstrate appropriate application of the content in different contexts.

6302 LEADERSHIP COMMUNICATION IN ORGANIZATIONS This course explores the intersection between the practices of leadership and communication within the organizational context. The course challenges students to assess and improve their own communication competencies in light of common organizational leadership opportunities and challenges.

6311 LEADERSHIP AND DECISION MAKING In this course, students take holistic approaches to leading organizations, solving organizational problems with cross-functional ramifications, and making sound decision. The areas covered are applicable to all kinds of organizations, but prime

emphasis will be given to higher education and public sector organizations. Case analysis involving individual and group learning will apply strategic thinking.

6320 COUNSELING THEORY IN K-20 EDUCATION This course will introduce theories that involve human development, learning, identity development, career development, personality, behavior, and leadership within organizations. This course is designed to introduce candidates to theories basic to student services in the K-20 education setting. Specific focus is also given to the application of theory in various educational setting and will include current trends and issues. This course will integrate theory and practice in the development of basic helping skills in student services as well as an advocate for student success in school and life.

6321 RESEARCH METHODS This course is designed to teach principles of scientific inquiry, methods and techniques of research, research tools and techniques, research proposals, and the interpretation and critique of research in professional literature. Within this framework, students will examine both quantitative and qualitative designs as they apply to issues within higher education. The course supports the development of individual research as well as team based research projects.

6330 INDIVIDUAL AND GROUP COUNSELING IN THE K-20 EDUCATION ENVIRONMENT The course will address the core assumption and underlying beliefs that impact the counseling roles that are central to the K-20 education setting. This course focuses on the "helping" role of counseling. Specific goals are to develop knowledge and skills that are necessary for student service practitioners. This course is required for candidates enrolled in the College Student Personnel and Administrative Service and School Counseling programs.

7V00 THE RESEARCH ENDEAVOR (Variable credit: 1-3 credit hours.) Course addresses issues surrounding the generation and validation of human knowledge. Students will be encouraged to view the research endeavor as arising from an individual's world view and epistemology that, while it is ultimately singular, can be grouped with other similar approaches. Students will deepen their understanding of the research endeavor from a primarily methodological perspective in at least two areas of personal interest. An even-handed approach to the quantitative and qualitative paradigms will be maintained. Lecture, discussion.

7V12 CURRICULUM POLICY: A GLOBAL PERSPECTIVE (Variable credit: 1-3 credit hours.) The purpose of this course is to provide an overview of the major factors involved in curriculum and instruction policy-making at local, state, national, and international levels. Systematically planning for change to enhance school improvement with be addressed. International education issues will be discussed. Discussion, reflection, case studies, and research papers will be used. Varying credit may be assigned to class.

7302 LEADERSHIP AND PHILOSOPHY Course provides understanding of the role of philosophy inherent within the doctor of philosophy degrees. Reviews historical and contemporary philosophies in light of their impact on the structure an d practice of the discipline of leadership. Explores the discipline of leadership as a framework for responding to the problems and issues of modern organizations. Introduces students to their responsibility as future stewards and scholars who will contribute to formal knowledge and understanding of the discipline and its practice. Lecture, discussion, readings, panels, presentations.

7303 LEADERSHIP AND COMPLEX ORGANIZATIONS Course examines organizational cultures; leadership principles; and the management of human, financial, material, and information resources as they occur in an environment of change. Candidates investigate constructs from

research to explain behaviors and events in an organizational setting. Candidates should gain a well-rounded understanding of the factors that influence the leadership skills and motivation levels of themselves and of employees in complex organizations. Lecture, case studies, and panels support discussion of course materials.

7304 LEADERSHIP AND ETHICS Course emphasizes ethics, morality, and values as it examines their relationship to leadership in a variety of organizations. Ethical dilemmas are analyzed. Personal ethics, leadership ethics, and ethical decision-making are explored. Lecture, discussion, presentation.

7310 CURRICULAR SYSTEMS DESIGN AND DEVELOPMENT To advance students' ability to identify and understand the philosophical underpinnings, societal expectations, public policies, and practical demands which must be reflected in the development of curriculum. This course includes methods of analyzing school curriculum, theories, trends, and methods of curriculum construction. Combines the use of readings, reflection, article reviews, and discussion.

7330 ACADEMIC LEADERSHIP IN HIGHER EDUCATION Critically examines the technical core of institutions of higher education and the segment of the organization that leads its academic programs, departments, schools, and colleges – academic affairs. Issues and challenges of curriculum, student learning and development, changing demographics, instruction, faculty development, faculty personnel policies, assessment and accountability, and productivity are explored. Focus on the impact of these challenges on institutional priorities, strategies, and activities.

7331 ADMINISTRATIVE LEADERSHIP IN HIGHER EDUCATION Examines executive leadership and administrative practices in institutions of higher education. It includes consideration of roles, responsibilities, styles, and differences in more than one organizational context. Focus is on standard conceptual tenets of administration from the literature with the purpose of facilitating thinking about new paradigms that address administrative challenges.

8V08 MAJOR AREA RESEARCH (Variable credit: 1-3 credit hours.) The student prepares a manuscript-length paper reflecting original research on a significant topic related to the student's area of emphasis and the field of leadership studies. The paper includes a preliminary review of the literature and a research design created by the student that can be used to conduct a study. The topic will be selected by the student in agreement with the advisor.

8V09 SEMINAR IN LEADERSHIP INQUIRY (Variable credit: 1-3 credit hours.) This course is designed to provide a forum for synthesizing the various forms of knowledge and skills necessary to become stewards of leadership. Students demonstrate understanding and ability in the area of leadership studies through discussions of timely topics and presentation of researched issues. The seminar enables students to move from holders of knowledge to communicators of knowledge to potential agents of change. Group discussions, oral and written presentations, guest speakers.

8V11 LEADERSHIP INTERNSHIP (Variable credit: 1-3 credit hours.) Provides doctoral students with experience in an appropriate organizational setting and under the supervision of faculty partnered from leadership studies and non-profit organizations, health care, government, or education.

8V36 CONTEMPORARY ISSUES IN LEADERSHIP (Variable credit: 1-3 credit hours.) Examines contemporary issues confronted by leaders in health, education, government and nonprofit

organizations. Topics include issues related to diversity, gender, globalization, communication, organizational creativity and evolution, technological challenges, and employee motivation and satisfaction as followership behavior.

8V38 INDEPENDENT READINGS AND RESEARCH IN LEADERSHIP (Variable credit: 1-3 credit hours.) Provides the opportunity for students to conduct independent readings and/or research in a selected area of leadership studies. The student must arrange for a graduate faculty member to direct the study and must provide the permission of the department chairperson.

8302 ADVANCED QUALITATIVE RESEARCH Course explores qualitative methods used in social science research, focusing primarily on methods used in educational research. Theoretical and ethical aspects of methods will be examined. Readings on specific research methods will contribute to the formulation of a research project to be carried out during the semester. Lecture, discussion.

8305 FOUNDATIONS OF LEADERSHIP THEORY Course explores the phenomenology of leadership through examining metaphors of the leader as community servant, organizational architect, social architect, and moral educator. Beliefs and values, political, and spiritual dimensions of leadership will be juxtaposed against stereotypical political, anthropological, psychological, sociological, and social interactionist understanding of leadership. Integrates historical and ethical dimensions explored in earlier core courses with these new and broader perspectives to cement a coherent foundation upon which the student may build the ensuing courses in the Leadership Studies program. Combines the use of lecture, readings, article reviews, and discussion.

8332 LEADERSHIP IN THE GLOBAL SOCIETY This course examines systems, structures, and organizational issues across the globe and outside of the traditional American systems from an international and comparative perspective. The aim is to prepare students as global leaders with the intercultural facility necessary to lead and manage in a variety of organizations (educational, health related, non-profit). The course aims to help students develop awareness of cross-cultural skills and provide an understanding of critical issues in the management of multinational or transnational organizations. Topics covered include international leadership skills, cross-cultural negotiations, conflict resolution, ethical dilemmas in cross-cultural environments, global human resource management, and designing and managing global organizational cultures.

8334 LEADERSHIP AND CHANGE This course provides multiple approaches to theories of leadership, organizations and change. The primary goal of this course is to present students with ways of thinking about leadership in organizations in order to successfully negotiate change. A secondary goal is to acquaint students with the interdisciplinary underpinnings about leadership theory, change theory, and organizational theory, literature, and research methods. Students will apply various theories to case studies in order to develop insights for organizational change. At completion of the course, student will apply theory to analyze and describe organizational leadership and change initiatives from multiple theoretical perspectives. Students will identify leadership strategies to promote intended change.

8350 FUNDING PUBLIC EDUCATION Study of public education funding from a national perspective, sources of revenues for public education, issues of equity, efficiency, and adequacy, and issues of resource allocation in the funding of public education.

8352 ADVANCED STUDY OF SCHOOL LAW The course examines the various educational, civil, and criminal laws impacting the school-community setting. Special emphasis will be placed on the state and federal laws influencing the school-community educational setting, as well as the

state and federal judicial rulings affecting the school-community setting. Furthermore, special emphasis will focus on the interplay of state/federal laws and state/federal judicial rulings.

9V10 DISSERTATION IN LEADERSHIP STUDIES (Variable credit: 1-9 credit hours.) Candidates conduct an original and substantial research project in their emphasis area with the approval of their advisor and dissertation committee. Candidates must maintain continued enrollment in the course until the course is successfully completed (a minimum of 12 credit hours is required).

Library Media and Information Technologies

URL: http://uca.edu/gbulletin/courses/library-media-and-information-technology/

[1] Courses in Library Media and Information Technologies (LIBM)

6V10 SPECIAL PROJECTS (Variable credit: 1-3 credit hours.) Studies in diverse areas of library media and information technologies which are not included within the content of courses offered by the department. No more than three hours of special projects credit can be applied to a degree program. Prerequisite: Permission of LIBM Program Coordinator.

6V91 DIRECTED INDIVIDUAL STUDY (Variable credit: 1-3 credit hours.) Directed intensive study of a problem based on approved outline or plan, conferences, oral and written reports. May be repeated for a total of six hours. Prerequisite: Consent of LIBM Program Coordinator.

6131 ON-LINE BIBLIOGRAPHIC SEARCHING TECHNIQUES Organization, structure, and function of on-line bibliographic databases and appropriate access protocols. Emphasizes generic subject search logic and search strategies and their applications. Prerequisite: LIBM 6330.

6233 CATALOGING & CLASSIFICATION II Catalog descriptions for complex media formats, problems in bibliographic description, and MARC formats with subject classifications assigned on the basis of the Library of Congress Subject Headings and Library of Congress Classification System. Levels of automated cataloging support systems, current principles, and trends. Prerequisite: LIBM 6332.

6272 PUBLIC INFORMATION SERVICES Public services within information agencies: information, instruction, guidance, and stimulation. Emphasis on the organization of these services and their relationship to other services within information centers.

6281 PLANNING INFORMATION FACILITIES Basic principles of design and organization for information center facilities.

6320 INTRODUCTION TO LIBRARY & INFORMATION SCIENCES This course provides an introduction to information studies, its institutions, and the theoretical and practical applications of information science, including information technologies. It provides an overview of functions and services common to all information agencies as well as the automation of said agencies.

6330 REFERENCE SERVICES Evaluation, selection, and use of basic reference sources. Develops skills in reference interview techniques and in strategies necessary to locate client-specified information.

6332 CATALOGING & CLASSIFICATION I Second level descriptive cataloging of a variety of media formats according to Anglo-American Cataloging Rules and assignment of appropriate

subject classifications based upon Sears List of Subject Headings and the Dewey Decimal System. Fundamental organizational patterns of public access catalogs.

6353 TEACHING AND LEARNING IN THE SLMC Examines the contemporary school library media specialist's role in instructional development and as a member of a teaching team. Emphasizes information literacy and development of information skills curriculum.

6360 COLLECTION DEVELOPMENT Development and maintenance of resource collections and related activities: user needs, selection criteria, standards, and evaluation.

6361 TECHNICAL SERVICES Principles and processes involved in technical services – automation systems, acquisition, procession, circulation, and basic repair.

6366 INFORMATION SOURCES AND BIBLIOGRAPHY Selection, use, and evaluation of specialized reference sources in the various disciplines. Emphasis on the preparation of a bibliography with directed experiences in bibliographic search techniques, bibliographic planning, and bibliographic construction. Prerequisite: LIBM 6330.

6370 ISSUES AND TRENDS IN CHILDREN'S, JUVENILE, AND YOUNG ADULT LITERATURE This course delineates the role of library media resources in support of literacy development. It focuses on historical as well as controversial issues and trends in children's, juvenile, and young adult literature and the impact on overall program development.

6371 DESIGNING INFORMATIONAL PROGRAMS FOR CHILDREN AND YOUTH Planning, implementing, and evaluating educational and recreational programs for children and young adults.

6373 PUBLIC INFORMATION SERVICE AGENCIES Contemporary role and function of the public information agency. Historic evolution, the characteristics of its users and their needs, and contemporary concerns within the context of governance, organization, administration, finance, and programming.

6380 ADMINISTRATION OF INFORMATION PROGRAMS Management of information centers in educational, public, and private agencies. Planning, financing, and evaluating specific programs within the information center.

6382 SEMINAR ON INFORMATION MANAGEMENT Principles of administration and their relationships to the planning, design, operation, and evaluation of information centers in a seminar setting. Prerequisite: LIBM 6380.

6390 PRACTICUM Supervised field experience, observation, and practice in an approved information agency for 120 clock hours. A schedule will be planned between the field supervisor and institution's supervisor. Prerequisite: LIBM Program Coordinator's permission and 24 hours of course work.

6699 THESIS Culminating activity in which the student is asked to demonstrate competence in research and writing skills. May be substituted for six hours of course work.

Linguistics

URL: http://uca.edu/gbulletin/courses/linguistics/

[1] Graduate Courses in Linguistics (LING)

5310 EDUCATIONAL LINGUISTICS This course is required for the Writing Pedagogy emphasis in the MSE in Advanced Studies in Teacher Leadership (ASTL). The course investigates issues of language and education, particularly of language policy and management, literacy development, and linguistically responsive education. Students will examine the research tools of linguistics and other social science disciplines as they relate to language and education. Prerequisite: Graduate status.

5320 GRAMMATICAL STRUCTURES OF ENGLISH This course is required for the emphasis in Writing in the Advanced Studies in Teaching and Learning Master's degree. The course focuses on the scientific study of grammar, including lexical categories, phrases, relative clauses, participles, grammatical relations and noncanonical sentences. Students will analyze the intricate set of principles and rules of English that determine possible sentences and disallow impossible sentences. Prerequisite: Graduate status. Lecture, discussion.

5345 ADVANCED ANALYTICAL METHODS OF MORPHOLOGY AND SYNTAX This elective for MFA candidates in Creative Writing is also open to graduate students in other areas interested in the major aspects of morphological and syntactic analysis, the history of grammatical study, and both formal and functional theoretical approaches to grammatical analysis. Students will learn key concepts and terminology associated with grammatical description and apply them to the analysis of problem sets presented from a wide range of the world's languages. Lecture, discussion. Prerequisite: LING 2320, the equivalent, or permission of instructor.

5350 ADVANCED PHONOLOGY This elective for MFA candidates in Creative Writing is also open to graduate students in other areas interested in phonological analysis, including the theoretical basics of phonetics and the skills needed to analyze phonological data. Students will become adept at detailing phonetic transcriptions from oral data, deducing and ordering phonological rules from problem sets, writing those rules in linguistic notation using feature theory, and determining underlying representations. Discussion, lecture, workshop. Prerequisite: LING 2320, the equivalent, or permission of instructor.

5355 ADVANCED SPECIAL TOPICS IN LINGUISTICS This elective for MFA candidates in Creative Writing is also open to graduate students in other areas interested in a more concentrated theoretical focus on a specific linguistics area. Students will explore existing research within particular theoretical domains and integrate that research with their own findings in the form of both oral and written reports that allow them to better understand the operations and outcomes of linguistic phenomena. Content varies according to interest and expertise of instructor. Course may be repeated once for credit. Lecture, discussion. Prerequisite: LING 2320, the equivalent, or permission of instructor.

Master of Arts in Teaching

URL: http://uca.edu/gbulletin/courses/master-of-arts-in-teaching/

[1] Graduate Courses: Master of Arts in Teaching

5303 THE MIDDLE SCHOOL PSYCHOLOGY, PHILOSOPHY, AND ORGANIZATION This course is designed to help elementary and secondary teachers to develop and understanding of the middle school concept with particular attention given to pupil characteristics, curriculum design and delivery, history, philosophy, and adaptive strategies for working successfully with middle school students. Candidates will study the history as well as current trends in middle level education.

5310 ANALYSIS AND PRACTICE OF TEACHING This course prepares licensure candidates to develop instructional plans by applying their knowledge of learners and the learning process. Lecture, presentations, case discussions, and microteaching.

5320 THEORY AND PRACTICE OF CLASSROOM MANAGEMENT This course provides a foundation in the theory and practice of classroom management. Licensure candidates will study various models of discipline, issues in management, and effective ways to create a productive learning environment. Lecture, role playing, case discussions, and microteaching.

5390 PRACTICUM MAT This course involves a minimum of 75 hours in a school setting. Field projects, field seminars, and supervised teaching are conducted to help candidates gain knowledge in pedagogical theory and gain experience in organizing instruction, in creating a productive learning environment, and in achieving professional behaviors. Prerequisite: MAT Level I admission requirements.

6302 MODELS OF TEACHING Candidates will expand their repertoire of teaching strategies for secondary grades. Further, candidates will gain the skills necessary to analyze teaching and learning and will engage in reflective practices through the use of instructional improvement tools.

6310 PEDAGOGY FOR DIVERSE STUDENT POPULATIONS This course examines the dimensions of diverse populations in schools and implications for educational programming and instruction. Specifically, the course focuses on methods, curriculum models, strategies, modifications, and skills necessary for teaching diverse students. Lectures, speakers, discussions, and large and small group activities will be utilized. Prerequisite(s): MAT 5310 and 5320.

6311 CLASSROOM ASSESSMENT Advanced study through discussion and experiential exercises of assessment in the classroom including teacher-developed and externally developed instruments. Prerequisite(s): MAT 5310 and 5320.

6312 PRINCIPLES OF CHILD AND ADOLESCENT DEVELOPMENT AND LEARNING Focuses on principles of child and adolescent development and learning theories involving expectations, motivation, reinforcement, modeling, and constructivism; addresses the analyses of childhood strategies for children and adolescents, including Piaget, Skinner, Montessori, responsive environments, contingency management, social dramatic play, and didactic teaching.

6314 DIAGNOSIS AND CORRECTION OF READING DIFFICULTIES Theory, demonstration, and practice in group and individual procedures and techniques of diagnosis and correction of reading difficulties.

6320 LITERACY SEMINAR FOR TEACHERS This course is designed to provide a framework for effective professional development of literacy among teachers, thus allowing them to serve as models for their own students. To this end, the course will allow teachers to examine their own literacy through exploration of research on best practice.

6338 ADVANCED STRATEGIES IN ELEMENTARY EDUCATION This course focuses on planning, implementing, and evaluating activities and strategies designed to facilitate cognitive and content learning among children from diverse populations; addresses essential concepts, inquiry tools, and structure of content areas including academic subjects, e.g., language arts, science, social studies, and mathematics; and addresses professional ethical issues regarding the education profession. Prerequisite: Admission to the graduate program.

6374 INTEGRATED CURRICULUM IN ELEMENTARY EDUCATION The purpose of this course is to provide an overview of various theories, research, and practices in elementary curriculum development, which will lay the framework for efficacy and educational reflective decision making. This course is required for all graduate students seeking a license in elementary education in the Master of Arts in Teaching program.

6699 INTERNSHIP MAT This course requires a semester of full-day participation in public schools sites at grade levels appropriate to the desired licensure level. Candidates work under the supervision of public school and university professionals. For candidates currently teaching, the placement will be their classroom. For candidates without a teaching position, the placement will be made in the public school by UCA. Prerequisite: Admission to Internship.

Mathematics

URL: http://uca.edu/gbulletin/courses/mathematics-education-and-applied-mathematics/

[1] Graduate Courses in Mathematics (MATH)

5300 PROFESSIONALIZED SUBJECT MATTER This course serves as an elective for the M.A. in mathematics education. The topics include algebra, geometry, and other mathematical topics from an advanced viewpoint. The subject matter is selected to strengthen the teaching skill and knowledge of secondary and beginning collegiate teachers. Prerequisite: MATH 1592 (Calculus II).

5305 ORDINARY DIFFERENTIAL EQUATIONS II This course serves as an elective for the M.A. in mathematics education. The topics include ordinary and partial differential equations, Fourier series, and numerical analysis with modeling applications in physics, biology, and other sciences. Lectures, computer labs, and projects are central to the course. Prerequisite: Linear Algebra (MATH 3320), and Differential Equations (MATH 3331).

5306 MODELING AND SIMULATION This course serves as an elective course for the MA in mathematics education. This project-oriented course applies differential equations and other methods to solve realistic problems from science, business, and industry. Lectures, computer labs, and projects. Prerequisites: MATH 2441, 3320, 3331, and 4371.

5308 MATHEMATICAL THINKING FOR K-8 TEACHERS This course is designed for the professional development of K-8 teachers and does not substitute for requirements in the MA degree. This course focuses on the Number, Property, and Operation Strand of the Arkansas Mathematics Framework. The importance of the structural properties of the rational number system

will be investigated. Participants will be encouraged to develop and generalize algorithms within the system.

5309 ALGEBRAIC THINKING FOR K-8 TEACHERS This course is required for candidates in the Elementary Mathematics Specialist program. It is designed to build both mathematical content knowledge and pedagogical content knowledge by developing a way of thinking about the mathematics that underlies both arithmetic and algebra. Class discussion, problem solving, and case studies will be central to the course. Prerequisite: MATH 5308.

5315 INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS This course serves as an elective course for the MA in mathematics education and introduces techniques for solving first and second order linear partial differential equations. Topics include quasi-linear first order partial differential equations, and the method of characteristics, second order linear partial differential equations, separation of variables of the heat equation, wave equation, and Laplace's equation. Applications include heat conduction, steady state temperatures, and vibrating strings and membranes. Lecture. Prerequisites: MATH 2441, 2471, and 3331.

5316 FUNDAMENTALS OF APPLIED MATHEMATICS FOR FLUID MECHANICS AND GRANULAR MATERIALS This course is an introduction to applied mathematics in fluid mechanics and granular materials. It is an elective for all mathematics majors. Topics include dimensional analysis, perturbation methods for algebraic equations and differential equations, basic concepts and methods for fluid mechanics as well as granular materials. Prerequisite: Partial Differential Equations MATH 4315.

5330 MATHEMATICAL MODELING IN BIOLOGY This course is an introduction to mathematical modeling and analysis in biology and life sciences. Topics include dynamic system theory, feedback control, enzyme kinetics, Michaelis-Menten equation, the Hodgkin-Huxley model, mathematical models for calcium dynamics and blood glucose regulation, numerical solutions and mathematical analysis of the models. A contemporary textbook, research papers on this subject, and MATLAB will be used. Primary methods of delivery are lecture, student presentations, and discussion. Prerequisites: C or better in MATH 2441 and 3331.

5335 GEOMETRY AND MEASUREMENT AND THEIR APPLICATIONS This course is designed for the professional development of K-8 teachers and does not substitute for requirements in the MA degree. This course builds on and extends the preliminary understanding of the geometry and measurement developed in the undergraduate courses for K-8 teachers. The geometry topics include transformations, definition and classification, composition and decomposition of shapes, spatial visualization, and relationships between one, two and three-dimensional objects. The measurement topics include angles, linear, area, volume, capacity, mass, weight, time, money, temperature, and related rates. Instructional and assessment strategies for these areas will be explored. Applications of these topics and connections among Geometry, Measurement, and the other Strands of the Arkansas Mathematics Framework will be examined.

5340 NUMERICAL METHODS This course is a mathematics elective for the MA in mathematics education that introduces methods of numerical analysis with modern high speed computers. Topics include methods of solving nonlinear equations, linear and nonlinear systems, polynomial approximation, curve fitting, numerical differential equations, and numerical optimization. Lecture and computer activities. Prerequisites: MATH 2441 and 3320.

5345 COLLEGE GEOMETRY This course focuses on the elementary theory in foundations of geometry, advanced Euclidean geometry, and introduces transformations and non-Euclidean geometries. Problem solving, discovery, computer activities, and lecture. Prerequisite: Calculus I (MATH 1591).

5362 ADVANCED CALCULUS I This course is a mathematics elective for the M.A. in mathematics education. This rigorous theoretical treatment of calculus includes completeness, compactness, connectedness, sequences, continuity, differentiation, integration, and series. Lecture format and problem solving. Prerequisite: Calculus III (MATH 2371).

5363 ADVANCED CALCULUS II This course is an elective for the M.A. in mathematics education. 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. Lecture format and problem solving. Prerequisite: MATH 5362.

5371 INTRODUCTION TO PROBABILITY This course is required for the M.A. degree, if not previously taken at undergraduate level. 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: Calculus II (MATH 1592).

5372 INTRODUCTION TO STATISTICAL INFERENCE This course is required for the MA degree, if not previously taken at the undergraduate level. This introduction to the theory of statistical inference includes sampling distributions, point and interval estimation, hypothesis testing, and linear models. Lecture and projects. Prerequisites: MATH 2441 and 5371.

5373 REGRESSION ANALYSIS This course is an elective course for majors in mathematics and applied mathematics. It introduces simple and multiple linear models, and then more sophisticated regression models such as non-linear models, piecewise linear models, inverse prediction, weighted least squares, logistic, ridge and robust regression models. Principles in building regression models, pitfalls in regression models, and residual analysis are then discussed. Students learn basic designs of experiments and data analysis using ANOVA and examine applications in science, business, and industry through various examples. All illustrations are carried out using software such as R and STATA for various datasets. Prerequisite: MATH 5372 or consent of the instructor.

5374 INTRODUCTION TO STOCHASTIC PROCESSES This course is an introduction to applied mathematics in stochastic processes, and demonstrates how stochastic processes can be applied to the study of phenomena in fields such as engineering, computer science, management science, the physical and social sciences, and operations research. It is an elective course for all mathematics majors. Topics include review of probability: conditional probabilities and conditional expectations. Markov chains, continuous-time Markov Introduction to Probability MATH 4371/5371 or consent of the instructor. Prerequisite(s): Math 4371/5371.

5375 INTRODUCTION TO TOPOLOGY I This course is an elective for the M.A. degree. This introduction to generalizations of the notion of continuity includes the study of minimum conditions on a set necessary to describe continuous functions. This study is accomplished via point set topology using examples including knots, surfaces, and function spaces. Lecture/seminar format. Prerequisite: Consent of instructor.

5385 COMPLEX ANALYSIS This course is an elective for the M.A. degree. 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, the Cauchy Integral Theorem, series, calculus of residues, and harmonic functions. This course is fundamental to physics and engineering and is an extensive source of problems in pure mathematics. Lecture and discussion. Prerequisite: Calculus III (MATH 2371).

5391 MACHINE LEARNING This course serves as an elective for the MS in Applied Mathematics and the MA in Mathematics Education. The course is an introduction to common methods and algorithms used in machine learning. Content is broken down into supervised and unsupervised learning with an emphasis on using current cross-validation methods in either setting. Supervised topics include a variety of linear regression methods including ordinary, subset, and shrinkage. Unsupervised methods include cluster analysis, principal components, and independent component analysis. In all instances, the methods will be applied to data sets with a widely varying number of observations and variables. Prerequisite: MATH 5373 or consent of instructor.

5392 TIME SERIES AND FORECASTING This course serves as an elective for the MS in Applied Mathematics and the MA in Mathematics Education. It is an introduction to time series analysis and forecasting in data science. Time series data commonly occur in applications such as weather, share market, and medicine. Time series data are analyzed to understand the past and to predict the future, enabling managers or policy makers to make statistically guided decisions. Topics include autocorrelation analysis, filtering time-series data, basic stochastic models, univariate time-series models, stationary models, non-stationary models, long-memory processes, spectral analysis, multivariate time-series models, and state space models. Prerequisite: MATH 5373 or consent of instructor.

6V80 MATHEMATICS SEMINAR (Variable credit: 1-3 credit hours.) This course serves as a graduate elective for the MA or MS in mathematics. The purpose of this course is to study a chosen area of advanced mathematics or mathematics education. May be repeated for up to 6 hours when the theme of the course is changed. Prerequisite: Consent of the instructor.

6V82 INDEPENDENT STUDY IN MATHEMATICS (Variable credit: 1-3 credit hours.) This course serves as an elective for the MS in applied mathematics or the MA in mathematics education. The purpose of this course is to conduct independent study in a chosen area of advanced mathematics, applied mathematics, or mathematics education. May be repeated for up to 6 credit hours when the theme of the course is changed. Prerequisite: Consent of the instructor.

6V85 RESEARCH IN MATHEMATICS (Variable credit: 1-3 credit hours, predetermined by the instructor.) This course is a directed research project in a selected area of mathematics education, advanced mathematics, or applied mathematics. Prerequisite: Consent of instructor.

6V96 THESIS (Variable credit: 1-6 credit hours.) A requirement for the MS degree in Applied Mathematics (thesis option) and an option for the MA degree in Mathematics Education. Topics are chosen in consultation with an advisor. Course may be repeated.

6305 FOUNDATIONS OF MATHEMATICS This course is required in the M.A. program in mathematics education and is designed to introduce the fundamentals of mathematical logic and concepts of formal proof, including applications to fields such as elementary number theory and probability. Prerequisite: Consent of instructor.

6307 ADVANCED TOPICS FOR MATHEMATICS EDUCATORS This course is required in the M.A. program in mathematics education and includes advanced topics from functions, graphs, probability, statistics, and geometry which are relevant to mathematics in secondary schools and beginning collegiate programs. Other topics include technology, research, assessment, and curriculum leadership. Prerequisite: Consent of instructor.

6310 ALGEBRAIC STRUCTURES This course is required in the M.A. program in mathematics education and focuses on basic algebraic structures and their role in analyzing selected classical mathematical problems. The goal is to develop and apply the concepts of the algebraic theory of fields to prove the impossibility of classical constructions. Prerequisite: Consent of instructor.

6312 DATA MODELING FOR K-8 TEACHERS As a requirement in the Elementary Mathematics Specialist track of the ASTL Program, this graduate course is designed to prepare K-8 teachers to help students develop their understanding of data displays, measures of center, measures of variability, statistical generalization, chance, modeling measurements, and making inferences in light of uncertainty. Prerequisite: Teaching certification in a grade band within K-8.

6315 INTRODUCTION TO NUMBER THEORY This course serves as an elective for the M.A. in mathematics education and provides an introduction to number theory for secondary and beginning collegiate teachers of mathematics. Topics include divisibility, prime number theory, numerical functions, the algebra of congruence classes, higher degree congruence classes, number theory on the reals, Diophantine equations, and applications. Prerequisite: Consent of instructor.

6340 HISTORICAL PERSPECTIVES OF MATHEMATICS This course serves as an elective for the M.A. in mathematics education and provides a survey of the history and development of mathematical thought from ancient to modern times including philosophical, sociological, and biographical perspectives. Prerequisite: Consent of instructor.

6342 MATHEMATICAL MODELING This course is a required course for the M.S. in applied mathematics and an elective for the M.A. in mathematics education involving the mathematical concepts and techniques to model real-life problems from the physical, biological, social, and behavioral sciences. Graphics calculator and computer will be used. Prerequisite: Consent of instructor.

6345 ADVANCED ORDINARY DIFFERENTIAL EQUATIONS A required course for the MS degree in Applied Mathematics. Topics include linear systems of differential equations; existence and uniqueness; systems with constant coefficients; periodic systems and Floquet theory; existence, uniqueness, continuation of solutions of nonlinear systems; properties of solutions of linear and nonlinear systems; behaviors near equilibrium and the stability of equilibrium; stable/unstable manifolds, the Hartman-Grobman theorem and the center manifold theorem; the Poincare-Bendixson theorem. Prerequisites: MATH 3331 and MATH 4362 or equivalent.

6348 NUMERICAL ANALYSIS A required course for the MS degree in Applied Mathematics. Topics include direct methods for linear systems equations, roots of a single linear equation; interpolation using a variety of approximation techniques; numerical differentiation and integration with a focus on stability, convergence and error estimates of methods; the numerical solutions of linear and nonlinear equations and systems of equations; techniques in numerical linear algebra including matrix computation, elimination methods, matrix decomposition; orthogonalization and least-squares; iterative methods with a focus on error analysis. Prerequisites: MATH 2371, MATH 3320, and CSCI 1470.

6350 MODERN GEOMETRY This course is required in the M.A. program in mathematics education. This course involves Euclidean and non-Euclidean geometry including the utilization of technology and discussions of problems encountered in teaching geometry. Prerequisite: Consent of instructor.

6355 ADVANCED PARTIAL DIFFERENTIAL EQUATIONS An elective for the MS degree in Applied Mathematics. Topics include uniqueness, regularity, well-posedness and classification for elliptic, parabolic, and hyperbolic equations; Green's functions, representation formulas, mean-value formulas, Duhamel's method, weak and strong maximum principles, and energy methods. Prerequisites: MATH 4315/5315 and MATH 6345 or equivalent.

6358 NUMERICAL DIFFERENTIAL EQUATIONS An elective for the MS degree in Applied Mathematics. Topics include the numerical solutions of ordinary differential equations using single-step, multi-step, multivalue methods with a focus on convergence, error bounds, error estimates and stability of methods; finite difference methods for initial and boundary value problems for partial differential equations; consistency, stability, convergence of methods of methods for linear and nonlinear parabolic, hyperbolic, and elliptic partial differential equations. Prerequisite: MATH 3331, MATH 4315/5315, and CSCI 1470 or equivalent.

6362 INFINITE DIMENSIONAL DYNAMICAL SYSTEMS An elective for the MS degree in Applied Mathematics. Topics include semiflows, semigroups, evolutionary equations, reaction-convection-diffusion equations, wave equations, Navier-Stokes equations, existence and uniqueness of solutions, limit sets, invariant manifolds, stability, global attractors, numerical simulations, applications to fluid dynamics, physics, biology, and chemistry. Prerequisites: MATH 3331 and MATH 4315/5315.

6365 CONTROL THEORY An elective for the MS degree in Applied Mathematics. This course is an introduction to analysis and control design for both finite and infinite dimensional dynamical systems. It will focus on basic topics, including reachability, controllability, feedback, stabilization, Lyapunov functions, continuous semigroups, and boundary controls. Prerequisites: MATH 3331 and MATH 4315/5315.

6370 DIFFERENTIAL CALCULUS This course is required in the M.A. program in mathematics education. This course features key topics in elementary differential calculus in both historical and mathematical perspectives with emphasis on a teaching knowledge of these topics. Prerequisite: Consent of instructor.

6372 INTEGRAL TRANSFORMS An elective for the MS degree in Applied Mathematics. Topics include the Fourier, Laplace, and Hankel transforms; their operational properties, inversion formulas. Emphasis will be placed on solving ordinary and partial linear differential equations using the transform techniques. Applications include wave and heat equations. Prerequisites: MATH 3331 and 4315/5315.

6375 INTEGRAL CALCULUS This course is required in the M.A. program in mathematics education. This course features key topics in elementary integral calculus in both historical and mathematical perspectives with emphasis on a teaching knowledge of these topics. Prerequisite: Consent of instructor.

6376 DESIGN OF EXPERIMENTS An elective for the MS degree in Applied Mathematics and the MA degree in Mathematics Education. Major topics include, but are not limited to, fixed and

random effects models, single-factor and factorial designs, block designs, response surface designs, nested and split-plot designs, and designs with covariates. Prerequisite: MATH 4373/5373 or consent of instructor.

6378 SYMMETRY ANALYSIS OF DIFFERENTIAL EQUATIONS Symmetry analysis is introduced as a method for the reduction and simplification of differential equations. Topics include: symmetry analysis of first order ordinary differential equations, second and higher order ordinary differential equations and systems of ordinary differential equations, nonlinear first order partial differential equations, linear and nonlinear second order partial differential equations and systems of partial differential equations. A computer algebra system such as Maple will be used as a tool in the construction of symmetries. Primary methods of delivery are lecture and demonstration. Prerequisite: MATH 4315/5315.

Master of Business Administration

URL: http://uca.edu/gbulletin/courses/business-administration/

[1] Graduate Courses, Master of Business Administration (MBA)

5331 BANK MANAGEMENT This is an elective course in the Master of Business Administration program. This course provides a broad understanding of commercial banking. Coverage includes the principles and practices of commercial bank lending as well as asset, liability, and capital management. The mode of instruction is lecture and discussion. Prerequisite: FINA 3340 or consent of instructor.

5332 INVESTMENTS This is an elective course in the Master of Business Administration program. The mode of instruction is lecture and discussion. Basic theory, concepts, and principles applicable in making investment decisions. Emphasis on investment media, investment analysis, valuation techniques, and portfolio construction and management. Prerequisite: Consent of instructor.

5333 INTERNATIONAL FINANCE This is an elective course in the Master of Business Administration program. The course covers a variety of important topics in international finance, such as international financial markets, exchange rate risk management, currency derivatives, international arbitrage, direct foreign investment, and multinational capital budgeting. Prerequisites: FINA 3330 or consent of instructor.

5334 FINANCIAL DERIVATIVES This is an elective course in the Master of Business Administration program. The mode of instruction is lecture and discussion. Financial derivatives and markets are examined with an emphasis on their use of hedging and speculative purposes. Major valuation models and term structure models are discussed with applications to problems in financial decision-making process. Prerequisite: FINA 3330.

5341 QUANTITATIVE ANALYTICAL METHODS This course is an elective course in the MBA program. The course emphasizes an understanding of quantitative aids to decision analysis, utility and game theory, linear programming, queuing theory, simulation techniques, network analysis, and/or Markov processes. Lecture/discussion. Prerequisite: QMTH 2330 **[ACTS: BUSI2103]** or equivalent.

5345 GOVERNANCE OF THE SUSTAINABLE ORGANIZATION This is an elective course in the Master of Business Administration program. The course will cover the theoretical, policy, and

management implications of corporate governance and sustainability, including efforts at reform and the creation of new standards or norms.

5355 PROJECT MANAGEMENT This is an elective course in the Master of Business Administration program. The course is both a concept and computer-application course relying heavily on applying the understanding of the concepts with computer software. The course will employ lectures, case review, team projects, and class discussion. Students work individually and in teams. Lectures emphasize not only the managerial aspects but also the software aspects to solve problems and manage projects. An emphasis is placed on the nine knowledge areas: project integration, scope, time, cost, quality, human resources, communication, risk, and procurement management. Upon completion of the course, you will be able to apply Project Management techniques and use Microsoft Project to develop timelines, network diagrams, and critical path analyses. During the semester, students will have the opportunity to work on a project of their own where they will demonstrate understanding of the course objectives. Lecture/discussion. Prerequisites: QMTH 2330 **[ACTS: BUSI2103]** and MIS 2343 or equivalent, or permission of the instructor or MBA director.

5361 PRINCIPLES OF INFORMATION SECURITY This is an elective course in the Master of Business Administration program. The course offers an in-depth study of the nature of organizational information security issues as well as exposure to the various aspects of developing, planning, and implementing an organizational information security program. It has broad applicability to managers, IT personnel, and line workers alike as much of today's "knowledge work" centers around the handling of individual and organizational data and information. In addition to providing exposure to the realm of information security topics, the course also allows for hands-on lab exercises that bring the topics to life. Specifically, students will be exposed to topics such as risk management methods and processes, tradeoffs between security goals and organizational goals, network security tools and technologies, and contemporary legal, ethical, and professional issues in information security.

5376 ENTREPRENEURIAL AND SMALL BUSINESS FINANCE This is an elective course in the Master of Business Administration program. The mode of instruction is lecture and discussion. The course emphasizes the differences between large corporations and Small and Medium Enterprises (SMEs). Topics include techniques for estimating financial resource requirements and sources of funds for small businesses in the development, start-up, and survival stages of the SME's life cycle. Other topics include venture growth capital and exit strategies. Prerequisite: Consent of instructor.

5380 BUSINESS INTELLIGENCE This course focuses on business intelligence (BI), which is a broad category of technologies, applications, and processes for gathering, storing, accessing, and analyzing data to help users make better decisions. The concept of BI is explored both at the micro level (individual applications) and at the macro level (enterprise-wide implementations). More specifically, the course offers coverage of organizational imperatives for BI, frameworks for implementation, specific BI technologies, and addresses management concerns such as measurement, performance, and individual/organizational impacts. Hands-on experience is provided through software projects that use several leading-edge technologies. Extensive use of case study analysis also provides real-world application of BI concepts presented in the textbook.

6301 INFORMATION TECHNOLOGY FOR MANAGERS A required course for all MBA students. The course provides an introduction to organizational information technologies (IT) with

an emphasis on management's roles with respect to IT. Students will explore the role of IT in business decision-making and how IT creates a competitive advantage for a firm. Prerequisites: none.

6302 ACCOUNTING FOR MANAGEMENT DECISIONS A required course for all MBA students. Emphasis on the uses of accounting data internally by managers/entrepreneurs in directing the operations of business and non-business organizations.

6303 MANAGERIAL ECONOMICS An elective course for all MBA students. A presentation of concepts, tools, and methods of economic analysis relevant to broad cross-section decisions within the business firm.

6305 FINANCIAL DECISION MAKING A required course for all MBA students. Covers relevant tools used in financial decision-making. Emphasis on researching current literature, with discussion and problem solving for selected topics: capital budgeting, working capital, and risk management.

6306 LEGAL ENVIRONMENT OF BUSINESS FOR MANAGERS An elective course for all MBA students. A study of the Constitution of the United States and business, the court system and business torts, anti-trust, labor organizations, employer/employee relationships, consumer rights, social responsibility, ethics, and protecting the physical environment.

6307 ENTREPRENEURSHIP: THE ACT OF WEALTH CREATION This is an elective course for all MBA students. This course involves the study and development of behaviors, idea generation, opportunity recognition, new venture financing, and management practices related to entrepreneurial ventures. In addition the course may cover new venture and venture capital consulting and business valuation.

6308 MARKETING STRATEGY A required course for all MBA students. Focus will be on the role of the marketing process in developing/achieving organizational goals and on practical application using the case method.

6320 STRATEGIC MANAGEMENT A required course for MBA students. Students will explore the development and implementation of corporate strategies and policies. The interrelationships between the external and internal environments of the organization are emphasized. Case analysis, executive-level simulations and games, and role-playing methods are employed.

6325 ORGANIZATIONAL BEHAVIOR A required course for all MBA students. The course addresses topics focusing on understanding human and organizational processes that facilitate or hinder work performance, emphasizing human behavior in relation to management practices especially teamwork.

6330 OPERATIONS MANAGEMENT A required course for all MBA students. This is a study of the concepts and methods of operations management with particular emphasis on quantitative methods. Appropriate attention is afforded to strategic, tactical, and operational planning and control of operations.

6349 MANAGEMENT OF SMALL AND FAMILY-OWNED BUSINESSES This is an elective course in the Master of Business Administration program. The course is intended for students who may open their own small or entrepreneurial firm, or who may be employed by a small or family-owned business. The course supplements general management theory by providing coverage of issues critical to small and family-owned businesses. Students will gain practical experience in

solving actual business problems. Internet applications and case studies augment lectures and discussions and are used to examine the issues and problems faced by small and family-owned businesses.

6382 INTERNSHIP IN BUSINESS (MBA) This is an elective course in the Master of Business Administration program. Internships are available to provide students academic credit for experiential learning. Three credit hours will be awarded for this course upon completion of a minimum of 120 contact hours at an Approved MBA student internship. Prerequisite: Consent of MBA Director.

6390 SPECIAL PROBLEMS (MBA) An elective course in the Master of Business Administration program. Students conduct a guided study of a business-related topic. Prerequisite: Consent of MBA Director.

Music

URL: http://uca.edu/gbulletin/courses/music/

[1] Graduate Courses in Music (MUS)

5V10 SPECIAL PROBLEMS IN MUSIC EDUCATION (Variable credit: 1-3 credit hours.) Problems in music education, to be determined by the student(s) enrolled. May be repeated for credit, subject to department approval.

5V21 SPECIAL PROBLEMS IN MUSIC (Variable credit: 1-3 credit hours.) Problems in music, to be determined by the student(s) enrolled. May be repeated for credit, subject to department approval.

5101 GRADUATE FRENCH DICTION REVIEW A review course in the rules of pronunciation for the French language utilizing the International Phonetic Alphabet of IPA rules of pronunciation will give graduate vocal students needed tools for the teaching and performance of French art songs, arias, and recitative. Course is an elective. This course does not count toward a graduate degree but does fulfill the requirement to carry 9 hours of credit.

5102 GRADUATE GERMAN DICTION REVIEW A review course in the rules of pronunciation for the German language utilizing the International Phonetic Alphabet. Application of IPA rules of pronunciation will give graduate vocal students needed tools for the teaching and performance of German art songs, arias, and recitative. Course is an elective. This course does not count toward a graduate degree but does fulfill the requirement to carry 9 hours of credit.

5103 GRADUATE ITALIAN DICTION REVIEW A review course in the rules of pronunciation for the Italian language utilizing the International Phonetic Alphabet. Application of IPA rules of pronunciation will give graduate vocal students needed tools for the teaching and performance of Italian art songs, arias, and recitative. Course is an elective. This course does not count toward a graduate degree but does fulfill the requirement to carry 9 hours of credit.

5104 GRADUATE LATIN DICTION REVIEW A review course in the rules of pronunciation for the Latin language using the International Phonetic Alphabet (IPA). Application of IPA rules of pronunciation will give graduate vocal students needed tools for teaching and performing Latin choral music. The course is an elective. This course does not count toward a graduate degree but does fulfill the requirement to carry 9 hours of credit.

5205 VOCAL LITERATURE I Solo vocal literature from the Renaissance to the present. Emphasis upon the style, interpretation, and performance of solo materials for all voice classifications.

5206 MARCHING BAND TECHNIQUES Techniques, development, and teaching methods as applied to the school
marching band. Prerequisite: Senior level or graduate standing.

5207 VOCAL LITERATURE II Operatic literature from 1600 to the present. Emphasis on historical style
development, role analysis, and performance traditions.

5208 GRADUATE MUSICIANSHIP Designed to satisfy deficiencies indicated by the UCA Graduate Musicianship Diagnostic Examination. An intensive review of ear training and sight singing. This course does NOT count toward a graduate degree, but DOES fulfill the requirement to carry 9 hours of credit.

5311 INTRODUCTION TO LINEAR ANALYSIS Upper-level music theory elective. The course focuses on the interaction of harmony and counterpoint as the underlying basis of common practice tonal music. Emphasis on analysis at surface and reductive levels. Methods of instruction are lecture and discussion. Prerequisites: MUS 1230-1233, 2430-2431.

5315 INTRODUCTION TO KODALY Introduction to the Kodaly approach to music education. Includes classes in solfege and musicianship, pedagogy, repertoire, song analysis, as well as practicum. Emphasis on lower elementary grades. Prerequisites: MUS 3304, 3305, 3306, 3308 or undergraduate degree in music education.

5316 MUSIC THEORY REVIEW ANALYSIS Designed to satisfy deficiencies indicated by Graduate Music Theory Entrance Examination. Emphasizes part writing, analysis, form, and harmonization, combined with aural training and counterpoint. This course does not count toward a graduate degree but does fulfill the requirement to carry 9 hours of credit. Prerequisite: MUS 2431 or equivalent.

5317 MUSIC HISTORY REVIEW Designed to satisfy deficiencies indicated by the UCA Graduate Music History Diagnostic Examination. A survey of Western music history from the Carolingian era through the twentieth century. This course does NOT count toward a graduate degree, but DOES fulfill the requirement to carry 9 hours of credit. A grade of A or B is required before enrolling in 6300-level music history seminars.

5325 ORFF-SCHULWERK METHODOLOGY, LEVEL I Basic Orff elemental musicianship, including study of pentatonic melodies, ostinati, bordun accompaniments, and elemental forms; soprano recorder techniques; classroom application, technique, and improvisation; basic movement skills and classroom application, and folkdance. Prerequisite: Bachelor's degree in music.

5326 ORFF-SCHULWERK METHODOLOGY, LEVEL II Continued skill development building on Level I with emphasis on teaching improvisation in the diatonic modes and scales; addition of alto recorder, arranging and composition using major and minor scales and more advanced ostinato structures, mixed meters, bordun and chord accompaniments, as well as continued development in movement with classroom applications. Prerequisite: MUS 5325.

5327 ORFF-SCHULWERK METHODOLOGY, LEVEL III Advanced skill development building on Level II with emphasis on Orff classroom orchestration techniques in the diatonic modes and scales; implementation of all recorder voices in arranging and composition using major and minor scales and more advanced ostinato structures, mixed meters, bordun and chord accompaniments, as well as continued development in movement with classroom applications. Teaching practicum, required for certification. Prerequisite: MUS 5326.

6V05 DIRECTED GRADUATE STUDY (Variable credit: 1-3 credit hours.) Directed individual or group study. Subject selected by the student(s). May be repeated for credit, subject to department approval.

6V99 MASTER'S THESIS RESEARCH (Variable credit: 1-6 credit hours.) This course is intended to meet the thesis requirement for the degree in music theory. Topics are chosen in consultation with the advisor. Variable credit. May be repeated for credit. Only six hours may be applied toward the degree.

6200 GRADUATE RECITAL Preparation and performance of a public recital, to be evaluated by a faculty jury. Required for the MM degrees in Performance and Conducting.

6203 INSTRUMENTAL LITERATURE I Literature for all performance levels: solos, chamber music, large ensembles, orchestral excerpts, and related materials. Concentration on the student's area of specialization.

6206 INSTRUMENTAL CONDUCTING Advanced instrumental conducting techniques learned through study of selected wind and orchestral compositions and score analysis. Extensive analysis of individual style. Required for MM/Instrumental Conducting. Prerequisite: Undergraduate course in conducting.

6207 CHORAL CONDUCTING An intensive study of conducting techniques and the problems related to the rehearsal and performance of choral literature of all styles, historical periods, and voicings. Prerequisite: Graduate status.

6208 INSTRUMENTAL LITERATURE II Continuation of Instrumental Literature I. Required for MM/Instrumental Conducting.

6210 CHORAL LITERATURE I Survey of early choral literature from the Renaissance through the Baroque era.

6211 CHORAL LITERATURE II Survey of literature from the Classical period through the present.

6212 ADVANCED VOCAL PEDAGOGY The physiological and psychological aspects of voice teaching techniques considered from a historical, evolutionary, and comparative point of view. Covers diagnostic and corrective procedures. Culminates in a graduate project.

6213 INSTRUMENTAL PEDAGOGY AND REPERTOIRE I Study and analysis of instrumental pedagogical literature, etudes, methods, related textbooks, and educational materials; survey of schools of performance and instruction. Concentration on the student's area of specialization.

6214 INSTRUMENTAL PEDAGOGY AND REPERTOIRE II Continuation of Instrumental Pedagogy and
Repertoire I. Required for MM/Performance degree.

6215 SEMINAR IN PIANO LITERATURE I Piano literature from the early Baroque era through Beethoven's time. Music written for keyboard instruments prior to the invention of the piano will also be examined. Analysis and performance of specific keyboard compositions by selected composers.

6216 SEMINAR IN PIANO LITERATURE II Piano literature from Schubert's time to the present. Analysis and performance of specific compositions by selected composers.

6217 ADVANCED PIANO PEDAGOGY The pedagogy of piano at all levels from beginning to advanced. Emphasis on teaching piano to the advanced high school and college level student.

6301 MUSIC THEORY REVIEW AND ANALYSIS Designed to satisfy deficiencies indicated by Graduate Music Theory Entrance Examination. Emphasizes part writing, analysis, form, and harmonization, combined with aural training and counterpoint. Prerequisite: MUS 2431 or equivalent.

6302 ANALYTICAL TECHNIQUES FOR TWENTIETH-CENTURY MUSIC Examination of representative
twentieth-century analytical and compositional techniques, including set theory. Includes12-tone theory, polyharmony, linear counterpoint, multi-rhythms, and aleatoric devices. Prerequisite: MUS 2431.

6303 HISTORY AND PHILOSOPHY OF MUSIC EDUCATION Historical, philosophical, and psychological foundations of music education; the application of the principles of education to the music program. Prerequisite: Graduate standing in music education.

6304 CONTEMPORARY ISSUES IN MUSIC EDUCATION Educational principles, methods, and materials in music education. Major emphasis on current trends in educational thought and their

implications for music education. Prerequisite: Graduate standing in music education; MUS 6303 is recommended but may be taken out of sequence with 6304.

6306 THESIS RESEARCH I Choosing a thesis topic, beginning literature review, writing and submitting thesis.

6307 THESIS RESEARCH II This phase of the thesis process includes the writing and defense of the thesis. Prerequisite: MUS 6306.

6310 INSTRUMENTAL CONDUCTING PRACTICUM This course is designed to improve the student's technical and musical background in conducting. The student will transfer this knowledge to practical application with a performing group. This course should be taken one semester before or concurrent with the final recital.

6311 SCORE READING Skills involved in reading scores, and transferring these skills to successful performances.

6312 CHORAL CONDUCTING PRACTICUM Conducting techniques and the problems related to the rehearsal and performance of choral literature of all styles, historical periods, and voicings. Supervised conducting experience with a choral ensemble.

6313 MUSIC RESEARCH AND BIBLIOGRAPHY Methods of musicological inquiry. Introduction to standard bibliography. Prerequisite: Graduate status.

6314 SEMINAR IN MUSIC THEORY Speculative studies relating to the field of music theory; group and individual investigations into unique and general problems of musical structure, materials, organizations, aesthetics, and analytical systems. May be repeated for credit, subject to department approval.

6315 THEORY PEDAGOGY I Philosophies, procedures, techniques, and materials used in teaching theory at the high school and college level.

6316 THEORY PEDAGOGY II Observation, practice, and supervised teaching of freshman and sophomore classes.

6317 ANALYSIS OF MUSIC OF THE 18TH AND 19TH CENTURIES Intensive analysis of works written in the larger forms from the 18th and 19th centuries.

6318 MUSIC IN THE ROMANTIC PERIOD Seminar in European art music of the Romantic era. Prerequisite: Graduate status.

6319 MUSIC IN THE TWENTIETH CENTURY Seminar in the background and history of Western music since 1900. Post-romanticism, nationalism, styles related to folk idioms, neo-classicism, and later trends in contemporary music. Prerequisite: Graduate status.

6320 MUSIC IN THE CLASSICAL PERIOD Seminar in the emergence and development of classical style in Western art music, 1700-1800. Prerequisite: Graduate status.

6321 MUSIC IN THE BAROQUE ERA Seminar in European music from 1600 to 1750. Prerequisite: Graduate status.

6322 MUSIC IN THE RENAISSANCE Seminar in European art music of the fifteenth and sixteenth centuries. Prerequisite: Graduate status.

6323 HISTORY OF WOMEN IN MUSIC This course will survey musical achievements of women in music and examine the historical context which shaped their artistic development. The class will encompass the medieval period through the twentieth century and use representative examples of music written by women composers and performers from each of these historical periods. These will include medieval chant, renaissance song, German lieder, salon music, opera, and chamber music. Course prerequisites are graduate status in music or senior level hours completed with a 3.5 GPA or above.

6324 INTRODUCTION TO RESEARCH IN MUSIC EDUCATION Focuses on discovering, citing, understanding, and interpreting materials in print, online, and recorded sources for music education research. Introduces students to basic terminology of research methodologies used in music education research.

6325 PRACTICAL APPLICATION OF RESEARCH IN MUSIC EDUCATION Focuses on understanding and interpreting published music education research. Students will synthesize results gleaned from research studies and disseminated research in a more friendly practitioner's vernacular. Prerequisite: MUS 6324.

Music Applied

URL: http://uca.edu/gbulletin/courses/music-applied/

[1] Graduate Courses in Music – Applied (MUSA)

All courses except MUSA 6260 are variable credit – 1, 2, or 4 credit hours.

6V01 PICCOLO Applied instruction. May be repeated for credit.

6V02 FLUTE Applied instruction. May be repeated for credit.

6V03 OBOE Applied instruction. May be repeated for credit.

6V04 CLARINET Applied instruction. May be repeated for credit.

6V05 SAXOPHONE Applied instruction. May be repeated for credit.

6V06 BASSOON Applied instruction. May be repeated for credit.

6V10 TRUMPET Applied instruction. May be repeated for credit.

6V11 HORN Applied instruction. May be repeated for credit.

6V12 EUPHONIUM Applied instruction. May be repeated for credit.

6V13 TROMBONE Applied instruction. May be repeated for credit.

6V14 TUBA Applied instruction. May be repeated for credit.

6V20 PERCUSSION Applied instruction. May be repeated for credit.

6V30 PIANO Applied instruction. May be repeated for credit.

6V40 VIOLIN Applied instruction. May be repeated for credit.

6V41 VIOLA Applied instruction. May be repeated for credit.

6V42 VIOLONCELLO Applied instruction. May be repeated for credit.

6V43 STRING BASS Applied instruction. May be repeated for credit.

6V50 VOICE Applied instruction. May be repeated for credit.

6260 COMPOSITION Applied instruction. An elective for music majors. One-on-one instruction in composition for intermediate or advanced students. Course may be repeated for credit. Prerequisites: MUS 3210 and 3233 or permission of instructor.

Music Ensemble

URL: http://uca.edu/gbulletin/courses/music-ensemble/

[1] Graduate Courses in Music – Ensemble (MUSE)

6101 MARCHING BAND Ensemble instruction. May be repeated for credit.

6102 WIND ENSEMBLE Ensemble instruction. May be repeated for credit.

6103 SYMPHONIC BAND Ensemble instruction. May be repeated for credit.

6104 JAZZ ENSEMBLE Ensemble instruction. May be repeated for credit.

6105 WOODWIND CHAMBER MUSIC Ensemble instruction. May be repeated for credit.

6106 BRASS CHAMBER MUSIC Ensemble instruction. May be repeated for credit.

6107 DIXIELAND BAND Ensemble instruction. May be repeated for credit.

6110 CONCERT/CHAMBER CHOIR Ensemble instruction. May be repeated for credit.

6111 UNIVERSITY CHORUS Ensemble instruction. May be repeated for credit.

6112 OPERA Ensemble instruction. May be repeated for credit.

6120 SYMPHONY Ensemble instruction. May be repeated for credit.

6121 STRING CHAMBER MUSIC Ensemble instruction. May be repeated for credit.

6130 PERCUSSION ENSEMBLE/STEEL BAND Ensemble instruction. May be repeated for credit.

6140 ACCOMPANYING Ensemble instruction. May be repeated for credit.

6141 PIANO CHAMBER MUSIC Ensemble instruction. May be repeated for credit.

Nursing

URL: http://uca.edu/gbulletin/courses/nursing/

[1] Graduate Courses in Nursing (NURS)

5310 NURSING ETHICS An elective course designed primarily for nursing students. A study of ethical principles and reasoning applied to particular issues and cases related to health care and especially to nursing concerns. The course will examine standard theoretical approaches to health care/nursing ethics with an emphasis on the application of those theories to the needs of specific providers, clients, individuals, and institutions. The course will include lecture and discussion in an online format.

5325 GUIDE TO ALTERNATIVE AND COMPLEMENTARY HEALTH CARE Overview of alternative/complementary/holistic health care philosophies and therapies and their role in health care decision making. Addressees issues of self-treatment, safety, effectiveness, and resources. Examples include nutritional supplements, massage, aromatherapy, and herbal therapy. Open to all majors, not restricted to nursing majors.

5330 CULTURAL AND HUMAN DIVERSITY IN NURSING Examines the influences of culture on client responses to wellness, health challenges, and health care. The effects of cultural diversity on concepts such as time, health, food, and end-of-life rituals will be investigated. Cultural assessments and the use of these assessments in planning and implementing culturally congruent nursing care will be explored.

6V10 DIRECTED PRACTICUM: SELECTED POPULATION (Variable credit: 1-4 credit hours.) Clinical nursing experiences with selected client populations, determined by needs and goals of student in consultation with instructor and approved by department chair.

6V43 INDEPENDENT STUDY (Variable credit: 1-3 credit hours.) Nursing topic of special interest to the student who wishes to conduct an in-depth concentrated study with faculty guidance.

6V64 CLINICAL IMMERSION FOR FAMILY NURSE PRACTITIONER (Variable credit: 1 or 2 credit hours.) A clinical course that builds on and expands the clinical competencies developed in the Family Nurse Practitioner track. It requires 90 clinical clock hours of supervised direct patient care per credit hour. Pre-/co-requisite: NURS 6520.

6V99 CONTINUED STUDIES (Variable credit: 1-4 credit hours.) Credit/non-credit course required in subsequent semester(s) when an X-grade is awarded and until course requirements are met. Allows access to faculty guidance and university resources. Does not count toward degree.

6205 EDUCATIONAL CONCEPTS FOR ADVANCED NURSING PRACTICE Explores the role of the nurse educator in student education, continuing education, staff development, and patient/client education. Employs theories of education, principles of teaching/learning, learner assessment, selection/development of instructional materials, teaching plans, group instruction strategies, and principles of measurement and evaluation in the development of a teaching module.

6215 FOUNDATIONS FOR ADVANCED NURSING PRACTICE Explores the evolution of advanced nursing practice, the current practice environment, and complexities of the advanced nursing role. Prerequisite: Admission to the MSN program.

6260 CLINICAL IMMERSION FOR ADULT GERONTOLOGY NURSE PRACTITIONERS This clinical-only course focuses on primary care of the adult/geriatric population building on competencies from previous NP clinical courses. This course is online. Students complete 180 contact hours of approved supervised direct patient care clinical experiences. Prerequisites: NURS 6511 and 6512.

6301 RESEARCH FOR EVIDENCE-BASED PRACTICE I This is the first of two courses that examines the role of research in building an evidence-based practice. The emphasis of this course is on learning the research process, identifying a clinical question, accessing research evidence, and appraising research evidence for scientific merit and clinical relevance. Prerequisite: Full admission to the MSN program.

6304 RESEARCH FOR EVIDENCE-BASED PRACTICE II This is the second of two research courses that examines the role of the Master's-prepared nurse regarding evidence-based clinical practice or teaching. The emphasis of this course is on synthesis of research evidence, research utilization models, identification of practice outcomes, and translation of research into clinical practice. Prerequisite: NURS 6301.

6315 ADVANCED HEALTH ASSESSMENT Focus is on advanced health assessment techniques and data collection that promotes diagnostic reasoning and comprehensive decision making in patient-centered care. Core content includes normal versus abnormal findings, health promotion, disease prevention and diagnostic testing across varied populations. This course is a combination of online and on-campus instruction. Prerequisite: Admission to the MSN program.

6320 ADVANCED PATHOPHYSIOLOGY Focus is on the etiology, pathogenesis, and functional consequences of various disease states. Provides the student with an understanding of normal physiologic function and pathologic mechanisms that impact health status. Lays the foundation for clinical decision making and management. This course is delivered online. Prerequisite: Admission to the MSN program.

6322 EPIDEMIOLOGY FOR ADVANCED NURSING PRACTICE This course introduces the basic principles and methods of epidemiology, with an emphasis on critical thinking, analytic skills, and application to clinical practice and research. Emphasis is placed on the principles and methods of epidemiologic investigation, appropriate summaries and displays of data, and the use of classical statistical approaches to describe the health of populations.

6325 ADVANCED PHARMACOLOGY Focus is on pharmacotherapeutics and pharmacokinetics of broad categories of pharmacologic agents. The course provides knowledge to assess, diagnose, and prescribe pharmacologic agents in a safe and cost-effective manner. This course is delivered online. Prerequisite: Admission to the MSN program.

6327 HEALTHCARE QUALITY AND LEADERSHIP This course explores and applies concepts related to healthcare quality and improvement. Content will also include organization and systems leadership principles necessary to assure quality and safety of patient care.

6329 INFORMATICS FOR ADVANCED NURSING PRACTICE This course examines how emerging information and communication technologies are transforming healthcare. Students develop competency in evaluating and utilizing electronic health information systems to document, monitor, and improve health outcomes across multiple health care delivery settings. Informatics applications that affect health care and nursing will be emphasized.

6332 HEALTH POLICY AND ECONOMICS Examines advanced nursing roles in relationship to shaping health policy to positively influence health care quality, access, and cost. Health care law, regulation, professional practice issues, ethics, and health care financing will be explored. Emphasis is on the effect of health policy on health care delivery and population health outcomes.

6340 CLINICAL SPECIALTY FOR THE NURSE EDUCATOR A seminar/clinical course which is a component of the Nurse Educator track. This course provides the clinical foundation for graduate nursing competencies in a clinical specialty under the supervision of approved clinical preceptor/facilitators. Clinical options include community family, geriatric, maternal newborn and women's health, adult, pediatrics, and psychiatric mental health nursing. Students complete 270 hours of approved supervised clinical experiences. Prerequisites: NURS 6301, 6304, 6315, 6320, 6325, 6345, 6347, and 6348.

6345 EVALUATION IN HIGHER EDUCATION This course examines the theory, construction, evaluation, and current evidence of assessment instruments. It addresses classroom, clinical, online, and simulation assessment/evaluation. The following are emphasized: the role of assessment in instruction, developing instructional objectives and learning outcomes based on professional standards, developing and critiquing assessments; interpreting item and test analysis results, and appraising ethical/social/legal issues in educational and clinical settings. Prerequisite: Full admission to MSN program or other CHBS discipline and statistics.

6347 THEORETICAL FOUNDATIONS OF NURSING PRACTICE Focus is on critique, evaluation, and utilization of appropriate theory for practice and/or research. Relevant theories from nursing and other fields are explored. Prerequisite: Admission to the MSN program.

6348 INSTRUCTIONAL DESIGN AND TEACHING STRATEGIES Emphasizes the philosophical, theoretical, and empirical foundations of the nurse educator role for student education, continuing education, and staff development, or patient/client education. Core content includes principles of teaching-learning, learner assessment, developing/selecting instructional materials, preparing teaching plans, and classroom, laboratory/simulation, and online instruction strategies. Prerequisite: Admission to the MSN program or permission of the department chair.

6349 TEACHING PRACTICUM FOR THE NURSE EDUCATOR A seminar/clinical course providing an experiential foundation for nurse educator competencies under the supervision of approved preceptors/facilitators. Students complete 180 contact hours of supervised teaching practicum experiences. Prerequisite: NURS 6340.

6350 CURRICULUM IN NURSING AND HEALTH PROFESSIONS Explores professional, societal, health care, and educational influences on curriculum development in the health care environment. Students participate in curriculum design and evaluation of program outcomes to promote quality improvement. Prerequisite: Admission to the MSN program or permission of the department chair.

6371 CLINICAL NURSE LEADER IMMERSION The second of two seminar/practicum courses in the Clinical Nurse Leader track. Advanced competencies for the Clinical Nurse Leader role. Students complete 300 hours of supervised clinical experiences. Prerequisites: NURS 6327 and 6470.

6413 COMPLEX PRIMARY CARE OF ADULTS FOR FAMILY AND ADULT-GERONTOLOGY NURSE PRACTITIONERS Builds on competencies from previous Nurse

Practitioner clinical courses with emphasis on integrating and incorporating advanced clinical knowledge in the care and management of complex co-morbidities, with additional focus on the aging population. Facilitates transition to independent Nurse Practitioner practice. Combination of on line and on campus instruction. Students complete 180 contact hours of approved supervised direct patient care clinical experiences. Prerequisites: NURS 6512.

6414 PRIMARY CARE OF CHILDREN FOR THE FAMILY NURSE PRACTITIONER Focuses on primary care of children, with emphasis on growth and development, anticipatory guidance, disease management and health promotion/disease prevention. Combination of online and on-campus instruction. Students complete 180 contact hours of approved supervised direct patient care clinical experiences. Prerequisites: NURS 6511 and 6512.

6470 CLINICAL NURSE LEADER PRACTICE The first of two seminar/practicum courses in the Clinical Nurse Leader track. This course provides the theoretical and clinical foundation for beginning graduate nursing roles and competencies as a clinical nurse leader. Students complete 100 hours of supervised clinical experiences. Prerequisites: NURS 6301, 6304, 6329, 6347.

6511 INTRODUCTION TO PRIMARY CARE FOR FAMILY AND ADULT-GERONTOLOGY NURSE PRACTITIONERS Concepts of primary care, differential diagnoses, professional scope and standards, and practice management principles for the Nurse Practitioner. The course focus is on management of simple episodic disease processes, procedural skills, and women's health with emphasis on health promotion/disease prevention. Combination of online and on-campus instruction. Students complete 180 contact hours of approved supervised direct patient care clinical experiences. Prerequisites: NURS 6315, 6320, and 6325.

6512 PRIMARY CARE OF ADULTS FOR FAMILY AND ADULT-GERONTOLOGY NURSE PRACTITIONERS Builds on the competencies from NURS 6511 with added emphasis on the primary care Nurse Practitioner provider in clinical decision making, disease management, and health promotion/disease prevention. The course introduces chronic disease management in the adult population and expands practice management principles for the Nurse Practitioner. Combination of online and on-campus instruction. Students complete 180 contact hours of approved supervised direct patient care clinical experiences. Prerequisite: NURS 6511.

6520 PRIMARY CARE OF WOMEN AND CHILDREN A course that focuses on the primary care of women and children. It provides an introduction to primary care from wellness to illness in these special populations. This course is a combination of online and on-campus seminar instruction. It requires 180 hours of supervised direct patient care. Prerequisite: Admission to NP track and NURS 6301, 6304, 6305, 6315, 6320, 6322, 6325, 6332, and 6347 (all Foundation Courses).

6521 ADULT/GERONTOLOGY PRIMARY CARE I A course that focuses on the primary care of the adult/older-adult population. It provides an introduction to primary care from wellness to illness. This course is a combination of online and on-campus seminar instruction. It requires 180 hours of supervised direct patient care. Prerequisites: NURS 6301, 6305, 6315, 6304, 6320, 6322, 6325, 6332, and 6347 (all Foundation Courses) and, if Family NP track, 6520.

6526 ADULT/GERONTOLOGY PRIMARY CARE II A course that focuses on the primary care of the adult/older-adult population. It builds on competencies acquired in previous clinical courses. This course is a combination of online and on-campus seminar instruction. It requires 180 hours of supervised direct patient care. Prerequisite: NURS 6521.

7V15 DNP CLINICAL INTERNSHIP (Variable credit: 1-4 credit hours) The emphasis in the clinical internship is on transformational leadership in the practice setting to deliver advanced nursing services to individuals, families, communities, or systems. Students are expected to synthesize theoretical, empirical, and clinical knowledge to implement and evaluate the DNP Capstone project. The internship course hours are variable and repeatable; each student must complete a minimum of six clinical internship credit hours to complete the degree. Each credit hour requires 90 clock hours of internship.

7220 DNP CAPSTONE PROJECT I Faculty guided study in which students will write the DNP Capstone project proposal. Activities from the Clinical Internship I provide the framework for the DNP Capstone project. Prerequisites: NURS 7310, 7320, 7330, 7340, 7350, 7360, and 7370.

7225 DNP CAPSTONE PROJECT II The DNP Capstone Project course is a continuation of student work initiated in NURS 7220. The focus of this course is completion and dissemination of the DNP Capstone project. Prerequisites: NURS 7220.

7310 PHILOSOPHICAL AND THEORETICAL FOUNDATIONS FOR ADVANCED NURSING PRACTICE Presents philosophical, theoretical, and ethical perspectives and foundations of the discipline. Advanced nursing practice will be studied in the context of complex clinical, business, legal, ethical, and system issues that confront individual recipients of care, populations, health care professionals, organizations, and society. Prerequisite: Admission to the DNP Program.

7320 HEALTH ECONOMICS AND FINANCE Addresses basic economic theory, market drivers and restraints, health care finance and reimbursement, cost/benefit analysis and health care entrepreneurism. Explores equity and justice in healthcare. Integrated throughout this course is the application of health economic theories. Focus is on the role of the DNP within the contemporary healthcare environment. Prerequisite: Admission to the DNP Program.

7330 ADVANCED HEALTHCARE INFORMATICS Presents an overview of informatics, the transformation of data into information, knowledge, decisions and actions to improve outcomes. In addition, students will be prepared to use available technology tools to present, interpret, and organize data. Prerequisite: Admission to the DNP Program.

7340 LEADERSHIP AND ORGANIZATIONAL SYSTEMS Explores critical topics in organizational and systems leadership that emphasizes intra- and inter-professional collaboration, and the opportunity for nursing innovation to transform service delivery, improve health outcomes, and ensure quality and safety. Leadership, management and communication strategies to move interdisciplinary groups toward common goals and objectives will be examined. Prerequisites: NURS 7310, 7320 and 7330.

7350 TRANSLATIONAL RESEARCH METHODS Explores the science of research translation. Emphasis is on analysis, evaluation, and use of evidence. Students will examine methods to promote the systematic uptake of science into routine practice to improve quality and effectiveness of health care. Prerequisites: H SC 6330 or PSYC 6330.

7360 POPULATION HEALTH AND PUBLIC POLICY Uses a synthesis of public health theory, epidemiology, theories of health promotion, and nursing theory to enable students to identify health concerns and promote health and wellness. The impact of current practices, policies, and laws on community health will be addressed. Issues in population health over the lifespan will be explored,

such as environmental health, emerging infectious diseases, vulnerable populations, chronic illness, and global health care. Prerequisites: NURS 7310, 7320, and 7340.

7370 APPLIED CLINICAL GENETICS AND GENOMICS Provides students with the information and resources necessary to incorporate a genetic focus into clinical practice. Students will learn about basic genetic science/molecular concepts, the ethical and social implications of genetic information, commonly used genetic tests, genetic history taking, and pedigree construction and will become experienced in the use of professional and client-based resources to support evidence based health care and life-long learning in applied human genetics and genomics. Prerequisite: Admission to the DNP Program.

Nutrition

URL: http://uca.edu/gbulletin/courses/nutrition/

[1] Courses in Nutrition (NUTR)

5315 NUTRITION SERVICES PRACTICUM I Supervised practice in the procurement, production, and distribution of nutritional services in health care facilities. Prerequisite: Admission to Dietetic Internship program.

5316 NUTRITION SERVICES PRACTICUM II Supervised practice in personnel and financial management of nutritional services in health care facilities. Prerequisite: Admission to Dietetic Internship program.

5317 COMMUNITY NUTRITION PRACTICUM Supervised practice in community nutrition agencies. Prerequisite: Admission to Dietetic Internship program.

5318 CLINICAL NUTRITION PRACTICUM Supervised practice in the nutritional assessment, education, and counseling of hospitalized patients. Prerequisite: Admission to Dietetic Internship program.

5321 NUTRITIONAL SERVICES ADMINISTRATION Food Service operations relating to management principles, methods of control, sanitation and safety, and training of food service personnel. Prerequisite: NUTR 3380.

5324 NUTRITIONAL ASSESSMENT An overview of nutritional assessment techniques including dietary, biochemical, anthropometrical, and clinical with emphasis on nutritional needs in disease states. Prerequisite: NUTR 4374 and admission to Dietetic Internship program.

5325 MEDICAL NUTRITION THERAPY I A course for graduate dietetic majors. Advanced study of nutrition as a medical specialty from the perspective of disease prevention, treatment, and research; including nutritional assessment, patient interviewing strategies, medical terminology, and charting techniques. Course includes extensive use of case studies. Prerequisites: NUTR 3370 and BIOL 2405.

5340 GERIATRIC NUTRITION This course is designed to provide students with a comprehensive overview of nutritional needs of older adults. The topics will help students gain insight related to physiological changes, diseases and environmental factors affecting the nutritional status of aging adults. Prerequisites: NUTR 1300 and BIOL 2405.

5374 MEDICAL NUTRITION THERAPY II Advanced course for graduate dietetics majors. Continued study of nutrition in therapeutic dietary prevent, treatment, and research of nutritional problems in disease states. Includes in-depth case studies. Prerequisite: NUTR 5325.

5375 NUTRITION IN EXERCISE AND SPORTS A review of current research on nutrient requirements in exercise, providing a rationale for dietary recommendations. Prerequisite: NUTR 1300 or equivalent.

6307 CURRENT FINDINGS IN FOOD Current research on food preparation, packaging, selection, storage, and preservation. Prerequisite: NUTR 3310 or consent of instructor.

6308 TRENDS IN NUTRITION Recent developments in nutrition with emphasis on interpretation of the findings and application in family food. Prerequisite: NUTR 3370 or consent of instructor.

6313 DIET THERAPY Nutritional management through diet of persons with altered clinical conditions, such as diseases and metabolic disturbances. Prerequisite: NUTR 3370.

6330 METABOLIC NUTRITION A course for graduate students in FACS. The primary focus of this course is on the pathways of human metabolism by which cells synthesize and degrade carbohydrates, lipids (fats), and proteins. Included in this course is the chemistry of the reactions that constitute these pathways, how energy is derived from the breakdown of nutrients, how metabolic pathways are regulated by coenzymes, regulators, and hormones; review of papers in scientific literature is also included. Prerequisites: NUTR 3390 and BIOL 2450.

6335 NUTRITION COUNSELING A course for graduate students in FACS. The focus of this course is on learning theories, motivational interviewing strategies, nutrition counseling skills, and the development of client educational programs. Prerequisite: FACS 3456.

6340 DIABETES MEDICAL NUTRITION THERAPY A comprehensive course including all aspects of diabetes diagnosis, treatment, and education with special emphasis on Medical Nutrition Therapy for all life stages and populations with diabetes. Prerequisites: NUTR 4325; NUTR 4374 or instructor consent.

6345 PEDIATRIC NUTRITION A course for graduate students in FACS. This course covers nutrition issues from preconception throughout late adolescence, with a particular emphasis on nutrition correlates of normal growth and development and on the consequences of under and over nutrition. Prerequisites: FACS 3370 and BIOL 2405.

Occupational Therapy

URL: http://uca.edu/gbulletin/courses/occupational-therapy/

[1] Graduate Courses in Occupational Therapy (OTHY)

6V51 LEVEL II FIELDWORK ROTATION I (Variable credit: 1-6 credit hours.) Integration and application of academically acquired knowledge through an in-depth experience in delivering occupational therapy services in traditional and/or emerging service delivery models. Requires a grade of PR/CR for six continuous hours to receive credit for this course. Prerequisite: Successful completion of previous courses in program sequence and approval of graduate faculty.

6V71 LEVEL II FIELDWORK ROTATION II (Variable credit: 1-6 credit hours) Integration and application of academically acquired knowledge through an in-depth experience in delivering

occupational therapy services in traditional and/or emerging service delivery models. Requires a grade of PR/CR for six continuous hours to receive credit for this course. Prerequisites: Approval of graduate faculty, successful completion of a total of six hours of OTHY 6V51.

6102 LEVEL I FIELDWORK: OCCUPATIONAL THERAPY PROCESS Application of professional skills and foundational components of the occupational therapy process with a focus on the social and psychological aspects that influence engagement in occupation within a practice setting. Prerequisite: Successful completion of previous courses in program sequence.

6103 LEVEL I FIELDWORK: EVALUATION AND INTERVENTION Level I Fieldwork under the supervision of an occupational therapy practitioner that focuses on infusion of occupation throughout the occupational therapy process. Prerequisite: Successful completion of previous courses in program sequence.

6104 LEVEL II FIELDWORK SEMINAR This course prepares students for level II fieldwork experiences in various settings across the lifespan. Specifically, the student will learn how to transition from student to fieldwork student and ultimately practitioner. Prerequisite: Successful completion of previous courses in program sequence.

6110 DOCTORAL SEMINAR I: SERVICE LEARNING Reflective and experiential exploration of community engagement and civic responsibility through integration of direct, indirect, advocacy, or research-based service learning with an emphasis on analysis of the role of occupational therapy in strengthening communities. Prerequisite: Admission to the OTD program.

6112 LEVEL I FIELDWORK: ANALYSIS OF HUMAN OCCUPATIONAL PERFORMANCE Application of professional skills and components of the occupational therapy process under the supervision of an occupational therapy practitioner.

6120 DOCTORAL SEMINAR II: PROBLEM- AND SOLUTION-BASED LEARNING Comprehensive investigation and critical analysis of simple and complex cases from an occupational therapy perspective through problem-based and solution-focused learning; includes exploration and application of intra- and inter-professional roles and perspectives. Prerequisite: Successful completion of previous courses in program sequence.

6190 FORMATIVE COMPETENCY Formative evaluation of knowledge, skills, and judgment in applying the occupational therapy process with a client. Includes professional portfolio mid-review. Prerequisite: Successful completion of previous courses in program sequence.

6303 HUMAN MOVEMENT AND PERFORMANCE Human structure and function analysis as it relates to engagement in occupations. The course emphasizes the anatomical foundation of the skeletal and muscle systems, mechanics and principles of human motion, analysis, and application.

6307 THEORIES IN OCCUPATIONAL THERAPY In depth study, analysis, synthesis of evidence, and case-based application of theories used to support occupational therapy practice. Prerequisite: Successful completion of previous courses in program sequence.

6309 POPULATION- AND COMMUNITY-BASED PROGRAMMING Needs analysis, design, implementation, and evaluation of occupation-centered, evidence-supported programs for populations and communities that promote health and wellness. Includes service learning and field experience in traditional and emerging areas of practice. Prerequisite: Successful completion of previous courses in program sequence.

6310 OCCUPATIONAL THERAPIST AS EDUCATOR Academic issues and concepts are presented; students will learn to prepare educational objectives, learning experiences, and evaluations for a variety of teaching situations. Prerequisite: Successful completion of previous courses in program sequence.

6317 RESEARCH Study of designs used in qualitative, quantitative, and mixed methods research including critical appraisal of literature and related evidence to inform occupational therapy practice and develop future research. Prerequisite: Admission to the OTD program.

6321 ADMINISTRATION AND MANAGEMENT Theoretical and practical application of management principles in the provision of occupational therapy services including evaluation and application of strategies to address internal and external influences on practice. Prerequisite: Successful completion of previous courses in program sequence.

6323 PROFESSIONAL FOUNDATIONS OF OCCUPATIONAL THERAPY An overview of the history, philosophical base, traditional and emerging service delivery models, and future of occupational therapy as well as professional roles and responsibilities, credentialing requirements, ethical standards, and professional literature. Includes portfolio development and service learning. Prerequisite: Admission to the OTD program.

6324 ART AND SCIENCE OF OCCUPATION An in-depth study of occupation, underlying scientific theories, and legitimate tools of practice with an emphasis on meaningful use of occupation-based interventions. Prerequisite: Admission to the OTD program.

6326 CONDITIONS INFLUENCING OCCUPATIONAL PERFORMANCE A lifespan study of mental, developmental, and physical conditions commonly encountered in occupational therapy practice, their potential impact on occupational engagement and performance, and general implications for occupational therapy intervention. Prerequisite: Successful completion of previous courses in program sequence.

6355 APPLIED NEUROSCIENCE A study of the development, structure, and function of the human nervous system as well as the sequelae of neurological insult or injury. Prerequisite: Successful completion of previous courses in program sequence.

6403 APPLIED HUMAN ANATOMY A study of human structure and function as a foundation of occupational performance.

6404 OCCUPATIONAL THERAPY ASSESSMENTS Examination and application of psychometric principles necessary to read, score, calculate, and interpret data collected in tests and assessments. Includes selection, standardized administration, interpretation, and documentation of assessments used in occupational therapy practice to evaluate client factors and occupational performance while considering contextual influences. Prerequisite: Successful completion of previous courses in program sequence.

6438 EVALUATION AND INTERVENTION PLANNING Synthesis of comprehensive evaluation data to establish client-centered, occupation-based, and outcome-focused intervention plans for clients across the lifespan. Prerequisite: Successful completion of previous courses in program sequence.

6510 HOLISTIC INTERVENTIONS BIRTH TO YOUNG ADULT Theory- and evidence-based selection and application of relevant occupation-based interventions for clients from birth to young adulthood who present with acute, developmental, neurological, mental health, musculoskeletal,

and/or chronic conditions. Includes therapeutic techniques as precursors to occupation based interventions when indicated. Prerequisite: Successful completion of previous courses in program sequence.

6511 HOLISTIC INTERVENTIONS ADULT TO END OF LIFE Theory- and evidence-based selection and application of relevant occupational therapy interventions for clients from adulthood to end of life who present with acute, developmental, neurological, mental health, musculoskeletal, and/or chronic conditions. Includes therapeutic techniques as precursors to occupation based interventions when indicated. Prerequisite: Successful completion of previous courses in program sequence.

7V50 DOCTORAL RESIDENCY (Variable credit: 1-8 credit hours) A mentored intensive and extensive learner-centered experience designed to develop advanced skills in a specialized area such as clinical practice, research, administration, leadership, program and policy development, advocacy, education, or theory development. Requires a minimum of 640 hours and includes implementation and oral dissemination of a research based major project congruent with the residency experience. Students must complete a total of twelve (12) doctoral residency credit hours. Prerequisite: Completion of didactic and fieldwork courses.

7220 DOCTORAL SEMINAR IV: TRANSITION TO PRACTICE Comprehensive self-analysis, reflection, and practical evaluation of knowledge, skills, and judgment in providing occupational therapy services to individuals, groups, and populations. Includes finalizing plans for transitioning to the doctoral residency and an emphasis on professional and ethical avenues for gainful employment, certification, licensure, and lifelong learning for ongoing competence in an evolving practice environment. Prerequisite: Successful completion of previous courses in program sequence.

7310 DOCTORAL SEMINAR III: PLANNING AND DEVELOPMENT This seminar course requires the learner to critically analyze professional needs and interests in preparation for the doctoral residency. Through self-directed learning and practical application, students will complete program planning and development to establish a specialized in-depth experience designed to acquire advanced skills in clinical practice, research, administration, leadership, program and policy development, advocacy, education, or theory development. Prerequisite: Successful completion of previous courses in program sequence.

7311 LEADERSHIP AND COMMUNICATION IN HEALTHCARE This course provides multiple approaches to develop, discern, and apply principles of leadership. Students will examine professional leadership through theory, communication, and structured reflection. These experiences will prepare students for both leadership roles and becoming change agents. Prerequisite: Successful completion of previous courses in program sequence.

7317 APPLIED RESEARCH I Mentored participation in a scholarly project that may be used to evaluate practice, service delivery, and/or professional issues. Includes but is not limited to: design, data collection, data analysis, and dissemination. This is the first course in a series of three designed to address the interrelationship among theory, research, and practice. Students will design a theory based research proposal of importance to the field of occupational therapy. Prerequisite: Successful completion of previous courses in program sequence.

7318 APPLIED RESEARCH II Mentored participation in a scholarly project that may be used to evaluate practice, service delivery, and/or professional issues. Includes but is not limited to: design, data collection, data analysis, and dissemination. This is the second course in a series of three

designed to address the interrelationship among theory, research, and practice. Emphasis is on subject/participant recruitment and data collection based on the research proposal developed in Applied Research I. Prerequisite: Successful completion of previous courses in program sequence.

7319 APPLIED RESEARCH III Mentored participation in a scholarly project that may be used to evaluate practice, service delivery, and/or professional issues. Includes but is not limited to: design, data collection, data analysis, and dissemination. This is the third course in a series of three designed to address the interrelationship among theory, research, and practice. Emphasis is on data analysis and dissemination of findings based on the data collected in Applied Research II. This course concludes the culminating research project experience. Prerequisite: Successful completion of previous courses in program sequence.

7320 CONTEMPORARY ISSUES AND ADVOCACY IN OCCUPATIONAL THERAPY An appraisal of contemporary issues in occupational therapy practice focusing on advocacy, policy, and ethics. Students will examine professional responsibilities and roles of the occupational therapist regarding advocacy, policy and ethics and how each influences practice. This course will prepare students to become change agents. Prerequisite: Successful completion of previous courses in program sequence.

7330 OCCUPATIONAL THERAPY PRACTICE FOR CHILDREN, YOUTH, AND FAMILIES This course advances students' knowledge in timely topics and trends of critical importance in occupational therapy practice for children, youth, and families. Student-driven areas of interest will be a focus in a variety of practice settings, including schools, clinics, and homes. This course uses leadership, evidence-based practice, and advanced clinical skills as components to advocate for change in order to meet societal and professional needs. Prerequisite: Successful completion of previous courses in program sequence.

7340 OCCUPATIONAL THERAPY IN REHABILITATION AND DISABILITY This course advances students' knowledge in the area of rehabilitation and disability across the lifespan in a variety of practice settings, including orthopedics, neurology, geriatrics, and others. This course uses evidence-based practice, advanced clinical skills, and emerging treatment areas to enhance occupational therapy clinical practice.. Students will be prepared to sit for advanced certifications in selected areas of practice. Prerequisite: Successful completion of previous courses in program sequence.

7360 ADVANCED OCCUPATIONAL THERAPY PRACTICE IN MENTAL HEALTH This course is designed for students with an interest in advanced knowledge in psychosocial occupational therapy. Through medical and community experiences, students will examine factors that influence participation in occupation for clients diagnosed with mental illness and those that influence occupational therapy practice in mental health. Prerequisite: Successful completion of previous courses in program sequence.

Philosophy and Religion

URL: http://uca.edu/gbulletin/courses/philosophy-and-religion/

The Department of Philosophy and Religion offers courses at the graduate level only to serve the needs of other programs. The primary goal is to provide the graduate student with a deeper

understanding of the philosophical, ethical, and logical foundations and implications of their own field of study. UCA does not offer graduate degrees in Philosophy and Religious Studies.

[1] Graduate Courses in Philosophy and Religion (PHIL)

5300 READINGS IN PHILOSOPHY Independent study designed to deal in depth with specific issues and individuals in philosophy. Consent of graduate advisor and the department of philosophy and religion.

5350 HEALTH CARE ETHICS An elective course designed primarily for students of the health sciences, typically with an emphasis on physical therapy. A study of issues and principles of health care ethics. Topics covered include ethical reasoning, principles and areas of bioethics, and individual case studies of problems arising in the practice of various health care fields.

Physics and Astronomy

URL: http://uca.edu/gbulletin/courses/physics-and-astronomy/

UCA does not offer a graduate degree in either physics or astronomy. Graduate courses in physics are designed to aid science teachers in their pursuit of an understanding of the logical development of the sciences and the scientific method, to provide them with a comprehensive background to modern theories in physics, and to develop pedagogy unique to instruction in the physical sciences. All courses are offered on demand. Please contact the Department of Physics and Astronomy for more information.

[1] Graduate Courses in Physics (PHYS)

5V03 SPECIAL PROBLEMS IN PHYSICS (Variable credit: 1-3 credit hours.) May consist of problem solving, library research, and/or laboratory work. May be repeated with change of content.

5V04 SPECIAL PROBLEMS IN ASTRONOMY (Variable credit: 1-3 credit hours.) May consist of problem solving, library research, and/or laboratory work. May be repeated with change of content.

5301 CONCEPTS OF PHYSICAL SCIENCE 1 A laboratory course designed for the elementary, junior high, and high school teacher. Prerequisite: Consent of instructor.

5302 CONCEPTS OF PHYSICAL SCIENCE 2 Continuation of PHYS 5301. Prerequisite: Consent of instructor.

5360 PHYSICS FOR SECONDARY TEACHERS Introduction to secondary-level physics teaching materials and laboratory techniques. Prerequisite: Consent of instructor.

6310 DEMONSTRATION EXPERIMENTS IN PHYSICS The development of demonstration experiments for use at the high school level. Prerequisite: Consent of instructor.

6320 EXPERIMENTS IN MODERN PHYSICS Selected modern physics experiments to illustrate experimental techniques used in modern physics are performed by the student. Theory and analysis of the experiments are emphasized. Prerequisite: Consent of instructor.

Political Science

URL: http://uca.edu/gbulletin/courses/political-science/

UCA does not offer a graduate degree in Political Science.

[1] Graduate Courses in Political Science (PSCI)

5V99 STUDIES IN POLITICAL SCIENCE (Variable credit: 1-4 credit hours.) Independent studies course in political science designed to meet the individual needs of a student. The work is chosen by the student and the tutor with the approval of the department chair. Prerequisite: Consent of instructor and department chair.

5300 CONSTITUTIONAL LAW The Constitution of the United States, focusing on the work of the United States Supreme Court and the effects of its decisions upon the political system of the United States. Prerequisite: PSCI 1330.

5301 CIVIL LIBERTIES The historical background, judicial decisions, and contemporary social criticisms regarding civil liberties. Focus on the Bill of Rights. Prerequisite: PSCI 1330.

5331 AMERICAN POLITICAL THEORY Major theoretical ideas and issues of American political thought from the Colonial period to the present. Prerequisite: PSCI 1330.

5334 THE AMERICAN PRESIDENCY The US Presidency, nomination, election, responsibilities and powers, problems, and principles of contemporary executive-legislative relationships. Prerequisite: PSCI 1330.

5335 THE AMERICAN CONGRESS The United States Congress examined for how people are nominated and run for offices, how the legislative branch is organized, and how the legislative process works. Prerequisite: PSCI 1330.

5340 SEMINAR: SELECTED TOPICS Study in depth of a significant issue or field of study in political science. Content will vary on demand. Prerequisite: Junior, senior, or approved graduate standing with the prerequisites varying according to the topic and degree of specialization required.

5375 INTERGOVERNMENTAL RELATIONS A study of the relationships among federal, state, and local governments in the United States. Lecture and discussion. Prerequisite: PSCI 1330.

5388 AMERICAN FOREIGN POLICY A study of the foreign policy of the United States with emphasis on policies in the present century, current trends, and the foreign policy decision-making process. Lecture and discussion. Prerequisite: PSCI 1330 and 2300.

Psychology (PSYC)

URL: http://uca.edu/gbulletin/courses/psychology-and-counseling-psyc/

[1] Graduate Courses in Psychology (PSYC)

5320 ABNORMAL PSYCHOLOGY Surveys behavior disorders ranging from the mild to the severe; examines the etiology, treatment, and prognosis of the various maladaptive behavior patterns. Prerequisite: PSYC 1300.

6V42 INTERNSHIP IN PSYCHOLOGY (Variable credit: 3 or 6 credit hours.) Prerequisite: 54 semester hours in school psychology or 57 semester hours in counseling psychology. Successful completion of comprehensive examinations.

6310 ADVANCED EDUCATIONAL PSYCHOLOGY Examines the learning process with special emphasis upon learning and motivation in school settings.

6311 PRINCIPLES OF PSYCHODIAGNOSIS Addresses the integration and formal reporting of clinical data and translation of data into psychological concepts. Prerequisite: Consent of instructor.

6313 PSYCHOEDUCATIONAL ASSESSMENT I Provides knowledge and skills in the psychoeducational evaluation of children, adolescents, and adults including assessment-related standards, ethics, and report writing; emphasizes intellectual assessment Prerequisites: PSYC 6330 and consent of instructor.

6314 PSYCHOPATHOLOGY Surveys behavior disorders, their origins, diagnostic criteria, clinical correlates, and treatment. Prerequisite: PSYC 4320 or 5320.

6315 APPLIED BEHAVIOR ANALYSIS Provides knowledge and skills in functional behavioral assessment and intervention.

6316 PSYCHOPATHOLOGY AND DEVELOPMENTAL DISORDERS IN CHILDHOOD Surveys the etiology, assessment, and treatment of child psychopathology and developmental disorders in children. Prerequisite PSYC 6314.

6325 DIAGNOSIS AND TREATMENT OF ADDICTIONS Examines the theoretical, research, and treatment issues in the major addictions.

6330 ADVANCED PSYCHOLOGICAL STATISTICS Provides an overview of statistics, focusing on how to conduct and interpret various statistical tests. Descriptive and inferential statistics are covered. Prerequisite: PSYC 2330.

6331 RESEARCH DESIGN Covers the design and analysis of educational and psychological research. Prerequisite: PSYC 6330.

6332 SCHOOL PSYCHOLOGY PRACTICUM I Engages the student in a wide range of school psychological services under supervision.

6333 SCHOOL PSYCHOLOGY PRACTICUM II A continuation of School Psychology Practicum I. Prerequisite: PSYC 6332.

6335 IDENTIFICATION AND REMEDIATION OF LEARNING PROBLEMS Surveys issues and procedures regarding the diagnosis and remediation of learning problems.

6345 PSYCHOLOGY OF THE GIFTED CHILD Examines the characteristics, psychological growth, and development of gifted children. Consideration is given to research, problems of identification, and educational programs intended to meet their special needs. Addresses issues concerning the social and emotional needs of the gifted. Prerequisite: CHED 6353 or consent of instructor.

6350 HISTORY OF PSYCHOLOGY Acquaints the student with important historical contributors to the field of psychology.

6354 THEORIES OF PSYCHOTHERAPY AND COUNSELING Provides an overview of the major theoretical approaches to psychotherapy, including a critical evaluation of each theory.

6355 MULTICULTURAL ISSUES IN PSYCHOLOGY AND COUNSELING Addresses psychology/counseling implications of societal changes and trends, human roles, societal subgroups, social mores and interaction patterns, and differing life styles. Prerequisite: PSYC 6354.

6356 GROUP PSYCHOTHERAPY AND COUNSELING Covers theory and practice of group psychotherapy and counseling. Prerequisite: PSYC 6354.

6360 ORGANIZATION AND OPERATION OF THE SCHOOLS: IMPLICATIONS FOR SCHOOL PSYCHOLOGISTS Examines the impact of school climate, culture, and organization on the practice of school psychology. Designed for school psychology doctoral students; elective for other graduate students. Prerequisite: Permission of instructor.

6361 PROBLEMS IN PSYCHOLOGY I Requires at least 80 clock hours of independent study/learning experience under the direction of a faculty member. Prerequisite: Consent of advisor.

6362 PROBLEMS IN PSYCHOLOGY II Requires at least 80 clock hours of independent study/learning experience under the direction of a faculty member. Prerequisite: Consent of advisor.

6363 FOUNDATIONS OF SOCIAL AND AFFECTIVE PSYCHOLOGY Surveys classic and contemporary research on how we perceive, influence, and relate to others, including the topics of attribution, persuasion, attraction, and prejudice; emphasizes empirically identified processes underlying social cognition and behavior. Prerequisite: Consent of instructor.

6370 ADVANCED DEVELOPMENTAL PSYCHOLOGY Provides further study into the theoretical and applied aspects of life span development.

6371 PSYCHOSOCIAL FACTORS IN CHILD DEVELOPMENT Analyzes social, psychological, and economic factors and the impact on the development of young children.

6372 PSYCHOPHARMACOLOGY Focuses on the affective, behavioral, and cognitive effects of therapeutic and recreational drugs, including consequences of long-term use. Discussions of research methods and nervous system physiology are important components of the course.

6373 INDIVIDUAL AND ORGANIZATIONAL CONSULTATION Provides knowledge and skills in individual and organizational consultation, with emphasis on school-based applications.

6375 PROFESSIONAL SCHOOL PSYCHOLOGY Covers the history, roles, and functions of school psychologists.

6376 PSYCHOEDUCATIONAL ASSESSMENT II Provides a continuation of Psychoeducational Assessment I with emphasis on special populations, problems, and procedures. Prerequisite: PSYC 6313.

6379 PERSONALITY ASSESSMENT Provides theoretical background and practical experience in the administration, scoring, and interpretation of the major objective and projective personality tests. Prerequisite: PSYC 5320 or PSYC 6314.

6381 ADVANCED STUDY OF THE PERSONALITY Involves the study of the personality from a research viewpoint with emphasis on contemporary views. Prerequisite: PSYC 4300 and PSYC 5320 or PSYC 6314.

6393 MARITAL AND FAMILY THERAPY Surveys major issues and theoretical approaches in marital and family therapy. Prerequisite: Permission of instructor.

6398 LEGAL AND ETHICAL ISSUES IN PSYCHOLOGY AND COUNSELING Covers ethical and legal issues in psychology and counseling.

6643 THESIS Prerequisite: Consent of advisor and department chair.

7V41 DOCTORAL RESEARCH SEMINAR IN PSYCHOLOGY (Variable credit: 1-3 credit hours.) Addresses issues related to research in professional psychology.

7V65 DOCTORAL PRACTICUM IN COUNSELING PSYCHOLOGY (Variable credit: 1-6 credit hours.) Supervised counseling experiences in professional psychology planned in accordance with the departmental Counseling Psychology Handbook. A minimum of 150 hours is required per semester.

7305 DOCTORAL PRACTICUM IN SCHOOL PSYCHOLOGY I Provides advanced, supervised field experience in the practice of school psychology. Prerequisite: Consent of instructor.

7306 DOCTORAL PRACTICUM IN SCHOOL PSYCHOLOGY II Provides continuation of PSYC 7305 Doctoral Practicum in School Psychology I. Prerequisite: Consent of instructor.

7307 DOCTORAL PRACTICUM IN SCHOOL PSYCHOLOGY III This class is a continuation of PSYC 7305 Doctoral Practicum in School Psychology I and PSYC 7306 Doctoral Practicum in School Psychology II. It provides candidates with advanced, supervised field experience in the practice of school psychology.

7310 BEHAVIORAL AND EMOTIONAL ASSESSMENT OF CHILDREN An elective for graduate students in the school psychology programs and for graduate students in other psychology programs who have passed Psychoeducational Assessment I. This course will enable students to develop their practical skills in the measurement, evaluation, and diagnosis of behavioral and emotional problems for children and adolescents and in the administration, scoring and interpretation of various individual objective and projective personality measures, rating scales, functional behavior assessment, and diagnostic interviews.

7312 LEARNING AND COGNITION Examines the major principles and theories of learning and cognition.

7315 APPLICATION OF GENERAL LINEAR MODELS TO EXPERIMENTAL DESIGN Covers the analysis of factorial, noise-reducing, and multivariate experimental designs through use of linear models. Prerequisites: PSYC 6330 or equivalent and PSYC 6331.

7320 REGRESSION AND MULTIVARIATE ANALYSIS Covers multiple regression and related multivariate analyses commonly used in the behavioral sciences. Prerequisites: PSYC 6330, PSYC 6331.

7325 PHYSIOLOGICAL PSYCHOLOGY Surveys techniques of investigation in physiological psychology, the structure and function of nerves, muscles, and endocrine glands, and the biological/physiological basis of behavior.

7330 RESEARCH AND GRANT WRITING Covers the fundamentals of obtaining external funding for research and intervention programs, including grant-writing techniques for private and

government funding. Prerequisite: Enrollment in school psychology doctoral program and consent of Program Director.

7335 PROGRAM EVALUATION IN SCHOOL, COMMUNITY, AND MENTAL HEALTH SETTINGS Addresses program evaluation in school, community, and mental health settings, including practical applications of methods to plan, implement, and evaluate educational and mental health programs. Prerequisite: Designed for third-year doctoral students in school psychology; graduate courses in statistics and research design.

7350 PRACTICUM IN TEACHING PSYCHOLOGY The purpose of this course is to prepare individuals to teach psychology at the university level. Students will learn how to use effective pedagogy, use technology in teaching, develop a teaching philosophy, develop a syllabus, develop lesson plans, foster effective teacher/student relationships, respond effectively to problem behaviors, deliver lectures, and design assessment tools.

7360 FOUNDATIONS OF COUNSELING PSYCHOLOGY Introduction to the specialty of counseling psychology, including the history, philosophical bases, and current and emerging directions. Emphasis on critically reviewing literature in the field and examining psychologist roles and functions.

7361 PSYCHOLOGICAL TREATMENTS AND METHODS Advanced study of empirically supported treatment approaches to a variety of disorders. Examines the theoretical, empirical, and technical aspects of specific psychological treatments.

8305 PSYCHOEDUCATIONAL INTERVENTION I The first course in a two-course examination of psychoeducational interventions. Covers empirically supported interventions for a variety of school-related problems, including interventions aimed at schools, classrooms, and individual students; emphasizes academic interventions. Prerequisite: Designed for third-year doctoral students in school psychology.

8310 PSYCHOEDUCATIONAL INTERVENTION II Continues Psychoeducational Intervention I; emphasizes therapeutic, social-behavioral interventions. Prerequisite: Designed for third-year doctoral students in school psychology.

8315 CHILD MENTAL HEALTH PROMOTION AND PRIMARY PREVENTION Surveys prevention and health promotion programs pertaining to child mental health.

8320 INTEGRATED HEALTH CARE IN THE COMMUNITY This course will introduce students to the provision of integrated health-care and prevention services in the community, including rural and underserved areas. Students will gain knowledge and skills needed to integrate psychological services in the context of primary health care. Prerequisites: COUN 6381 and 6382.

9V10 DISSERTATION IN PSYCHOLOGY (Variable credit: 1-9 credit hours.) Requires students to carry out an original research project with the approval of their advisors and dissertation committee, and to present an oral defense of the research to the dissertation committee at the time of completion. Students must continue to enroll in the dissertation course until all related requirements are successfully completed. Prerequisite: Successful completion of comprehensive examinations and admission to candidacy.

9605 DOCTORAL INTERNSHIP IN PROFESSIONAL PSYCHOLOGY Provides doctoral students with full-time direct supervised experience in the professional practice of psychology.

Prerequisite: Successful completion of pre-internship requirements including comprehensive examinations.

9606 DOCTORAL INTERNSHIP IN PROFESSIONAL PSYCHOLOGY Continues PSYC 9605. Provides doctoral students with full-time direct supervised experience in the professional practice of psychology. Prerequisite: Successful completion of pre-internship requirements including comprehensive examinations.

Physical Therapy

URL: http://uca.edu/gbulletin/courses/physical-therapy/

[1] Graduate Courses in Physical Therapy (PTHY)

5190 TOPICS IN PHYSICAL THERAPY: INTERNATIONAL STUDIES SEMINAR Topics in physical therapy with relation to various aspects of international medical systems. Students will compare the US medical system and physical therapy services with those of other countries. Admission to Graduate Physical Therapy Program or consent of Instructor.

5290 TOPICS IN PHYSICAL THERAPY: INTERNATIONAL STUDY FIELD TRIP/CLINICAL PRACTICUM Study in a selected country to enhance medical and cultural knowledge through organized field trip experiences. Admission to Graduate Physical Therapy Program or consent of Instructor.

5310 ASSISTIVE TECHNOLOGY The use of assistive technology to promote greater independence for individuals with disabilities. Domains presented will include vision, hearing, communication, mobility, cognition and environmental controls. Admission to Graduate Physical Therapy Program or consent of Instructor.

5505 GROSS ANATOMY Structured aspects of the human body. Lecture and lab of prosected cadavers. Admission to Graduate Physical Therapy Program.

6V01 SPECIAL PROBLEMS IN PHYSICAL THERAPY (Variable credit: 1-3 credit hours.) Concentrated individual study of a particular topic in a specialty area of physical therapy under supervision. Designed to supplement regularly organized courses in physical therapy. Admission to Graduate Physical Therapy Program.

6V38 DIRECTED GRADUATE STUDY IN PHYSICAL THERAPY (Variable credit: 1-3 credit hours.) Directed group in-depth study of a particular topic in physical therapy. Admission to Graduate Physical Therapy Program.

6V99 CONTINUING STUDIES (Variable credit: 1-6 credit hours.) This credit/no-credit course is required in subsequent semester(s) when an X grade is awarded in a specified graduate physical therapy course (specified courses will be determined by the department chair and the faculty member supervising the student). Students will enroll while working on completing requirements and until course requirements are met. This course will not count toward the MS, DPT, or PhD degrees; the course does, however, allow the student access to faculty guidance and university resources. Admission to Graduate Physical Therapy Program.

6105 RESEARCH I Study of evidence-based physical therapy practice. Emphasis will be placed on the process of identifying and using the best available evidence to support physical therapy practice.

Additionally, understanding of research terminology, review and completion of institutional regulation training, and identification of research questions will be studied. Prerequisite: Admission to the DPT program. [Replaces PTHY 6104.]

6110 CLINICAL PRACTICUM: ADMINISTRATION A course which runs concurrently with Clinical Practica: Acute, Rehabilitation, and Specialty and provides an overview of professional presentations and the Continuous Quality Improvement Study process. At least a 3.00 GPA in courses required for the major in the professional curriculum. Admission to Graduate Physical Therapy Program.

6205 RESEARCH II Study of research design and methodology in physical therapy. Emphasis will be placed on understanding of various research designs, the concept of measuring outcomes, and the reliability and validity of measurement tools used in physical therapy practice and research. Prerequisite: Admission to the DPT program.

6250 PHARMACOLOGY IN PHYSICAL THERAPY Principles and application of medical therapeutics in a rehabilitation setting, emphasizing general principles and a systems approach to drugs used in patients receiving physical therapy. Admission to Graduate Physical Therapy Program.

6303 PATIENT MANAGEMENT AND DOCUMENTATION Introduction to evidence-based practice, theory, and different sources of knowledge in the management of the patient. Emphasis will be placed on the appropriate documentation of the examination and evaluation of a patient through compilation of the history, subjective complaints, systems review, tests and measures and objective information, outcome tools, assessment of information, diagnosis, prognosis, and plan of care as these relate to patient management. Legal/ethical requirements and reimbursement links to documentation in all rehabilitation settings will be explored. Admission to the DPT Program.

6307 PROFESSIONAL DEVELOPMENT I Discussion of contemporary topics affecting and influenced by physical therapy. Issues that deal with professional development and socialization in the field of physical therapy will be discussed. Theoretical constructs of healthcare ethics and specific applications to physical therapy practice will be explored. Admission to the DPT Program.

6314 NEUROPHYSIOLOGICAL PRINCIPLES OF MOTOR CONTROL Study of the neurological control of human movement from the level of the motor neuron to the cerebral cortex. Emphasis on the interaction of central nervous system mechanisms governing movement. Admission to Graduate Physical Therapy Program.

6330 TRANSDISCIPLINARY ASSESSMENT OF YOUNG CHILDREN This course will address issues involved in transdisciplinary assessment of children with special needs, ages birth to five, and their families. Procedures for selecting, administering, and interpreting assessment instruments will be discussed. Students will observe and participate in transdisciplinary assessments. Admission to Graduate Physical Therapy Program or consent of Instructor.

6335 ADVANCED SPINAL CORD INJURY MANAGEMENT Course will include information necessary for students to independently perform an advanced client evaluation and intervention planning for persons with spinal cord injuries. Prerequisite: PTHY 6332. Admission to Graduate Physical Therapy Program or consent of Instructor.

6343 NEONATAL DEVELOPMENTAL INTERVENTION Roles and functions of a developmental specialist working with neonates. Major neonatal disorders and relevant theoretical approaches applicable to treating these disorders from a family-focused perspective will be

emphasized. Prerequisites: Enrollment in graduate PT program or consent of instructor. Admission to Graduate Physical Therapy Program or consent of Instructor.

6351 GERIATRIC NEUROLOGY A web-based graduate level course addressing the complex issues of neurological examination, evaluation, diagnosis, and management of neurological diseases in the aged. Admission to Graduate Physical Therapy Program or consent of Instructor.

6354 TRANSDISCIPLINARY INTERVENTION WITH YOUNG CHILDREN This course will examine the development of the Individual Family Service Plan (IFSP). Professionals from involved disciplines will discuss transdisciplinary strategies and materials used with young children with special needs in a variety of settings. Prerequisite: PTHY 6330 or permission of the instructor. Admission to Graduate Physical Therapy Program or consent of Instructor.

6401 KINESIOLOGY I Study of selected structural and functional properties of anatomical structures of the human body. Biomechanical analyses and evaluation techniques of muscle testing, goniometry, and sensory testing all applied to normal and pathological human motion. Admission to Graduate Physical Therapy Program.

6402 KINESIOLOGY II Study of selected structural and functional properties of anatomical structures of the human body. Biomechanical analyses and evaluation techniques of muscle testing, goniometry, posture and gait analysis, applied to normal and pathological human motion. Continuation of PTHY 6401 Kinesiology I. Prerequisite: PTHY 6401 Kinesiology I; Admission to Graduate Physical Therapy Program.

6404 CLINICAL FOUNDATIONS IN PHYSICAL THERAPY PRACTICE The study and practice of body mechanics, patient transfers and positioning techniques, gait, bed mobility, use of special equipment in the patient care environment, activities of daily living, the prescription, fitting, application and use of wheelchair and other assistive devices, ADA Guidelines and home accessibility and other selected topics related to patient care in physical therapy. Admission to the DPT Program.

6405 THERAPEUTIC EXERCISE Application and physiological principles of therapeutic exercise, biofeedback, and stretching in patient treatment. Emphasis is on development of and progression through an exercise intervention based on patient diagnosis, practical applications, physiological effects, indications, contraindications, and scientific evidence. Admission to Graduate Physical Therapy Program.

6406 HUMAN PATHOPHYSIOLOGY I Introductory course in a two-part series. A comprehensive survey of systems, physiology, and related pathologies. Includes general principles and a systems approach as a basis for the processes of examination, evaluation, development of diagnoses and prognoses, and intervention for neuromuscular, musculoskeletal, cardiopulmonary, and integumentary disorders. Principles, pathogenesis, and mechanisms common in disease processes are reviewed. Relevance of mechanisms and consequences of clinical manifestations of disease to physical therapy practice and the impact of disease processes across the life span are stressed. Prerequisite: Admission to the DPT program.

6407 HUMAN PATHOPHYSIOLOGY II Final course in a two-part series. A comprehensive survey of systems, physiology, and related pathologies. Includes general principles and a systems approach as a basis for the processes of examination, evaluation, development of diagnoses and prognoses, and intervention for neuromuscular, musculoskeletal, cardiopulmonary, and

integumentary disorders. Principles, pathogenesis, and mechanisms common in disease processes are reviewed. Relevance of mechanisms and consequences of clinical manifestations of disease to physical therapy practice and the impact of disease processes across the life span are stressed. Prerequisite: Admission to the DPT program.

6424 CLINICAL ADMINISTRATION AND MANAGEMENT The study of administration and management principles and practice. Lectures, discussion, independent study, and seminars will be used to support students in acquiring knowledge, skills, and appreciation for administration and management. Admission to Graduate Physical Therapy Program.

6501 NEUROSCIENCE An analysis of the structure and function of the human peripheral, central, and autonomic nervous system, including laboratory study of specimens of human brain and spinal cord. A variety of neuropathologies are analyzed as a basis for understanding nervous system functions. Prerequisite: BIOL 3370 or equivalent. Admission to Graduate Physical Therapy Program.

7V01 ADVANCED RESEARCH (Variable credit: 1-9 credit hours.) Instruction and guidance of the student in all facets of the investigative process up to and including development of the dissertation proposal. The student will critically evaluate experimental research, become experienced with research tools commonly used in the student's area of focus, and develop and present the dissertation proposal. Admission to Graduate Physical Therapy Program.

7V02 DISSERTATION (Variable credit: 1-9 credit hours.) An original, substantial, and significant research project is carried out independently by the student in collaboration with the dissertation advisor and committee. The student must be able to complete a final oral examination or defense to demonstrate expertise in the research area. Admission to Doctoral Candidacy.

7V99 CONTINUING STUDIES (Variable credit: 1-6 credit hours.) This credit/no-credit course is required in subsequent semester(s) when an X grade is awarded in a specified graduate physical therapy course (specified courses will be determined by the department chair and the faculty member supervising the student). Students will enroll while working on completing requirements and until course requirements are met. This course will not count toward the MS, DPT, or PhD degrees; the course does, however, allow the student access to faculty guidance and university resources. Admission to Graduate Physical Therapy Program.

7103 OUTCOMES ASSESSMENT IN PHYSICAL THERAPY Assessing clinical quality outcomes for the purpose of preparing the students for reflective practice. Students will perform collection and analysis of outcomes data. The student will then formulate plan of care recommendations based on the findings of the data analysis. Admission to the DPT Program.

7105 RESEARCH III Study of clinical research principles through results analysis, drawing of conclusions, and analysis of current literature. In addition, the student will study several methods of descriptive and inferential statistical analysis. Admission to the DPT program.

7112 DIFFERENTIAL DIAGNOSIS AND INTERVENTION FOR THE HIP AND KNEE This hip and knee course is designed to allow the participant to learn more regarding common diagnosis given to hip and knee related dysfunction or pain and understanding the implications of these pathologies. The course will present the student with recent and state of the art, evidence-based information for effective evaluations and differential diagnosis, and also provide new and effective

intervention strategies for multiple diagnoses related to this area. Case scenarios will be presented. Prerequisite: PTHY 7405, PTHY 7505 or equivalent.

7113 DIFFERENTIAL DIAGNOSIS AND INTERVENTION FOR THE SHOULDER COMPLEX This course is designed to present the student or clinician recent and state of the art, evidence-based information for effective evaluation, treatment and differential diagnosis of multiple pathologies affecting the shoulder. Case scenarios will be presented to allow the participant the opportunity to evaluate, differentiate, and develop new and effective intervention strategies for specific shoulder impairments and injuries. Prerequisite: PTHY 7405 or equivalent.

7114 RESEARCH PRACTICUM Study of research principles and practice through the preparation of a research study proposal and continuing with data acquisition, data management, results analysis, drawing of conclusions, and dissemination of findings. May be repeated for two credit hours. Prerequisite: Admission to the DPT program.

7207 PROFESSIONAL CLINICAL OUTCOMES ASSESSMENT This course will emphasize contemporary clinical practice and issues attendant to quality of patient care through outcomes measurement and assessment. This course will be delivered on-line.

7209 COMPLEX PATIENT MANAGEMENT IN PHYSICAL THERAPY Study of complex patient cases across the lifespan and the continuum of care with an emphasis on clinical decision making related to physical therapy management of patients with multisystem interactions. Admission to the DPT Program.

7210 INTEGUMENTARY SYSTEM: PRINCIPLES AND PRACTICE Systemic approach to the examination of the integumentary system. Prevention, pathology and diagnosis related precautions will be examined. Analysis of wound etiology and management will be emphasized in the classroom and laboratory. Admission to Graduate Physical Therapy Program.

7211 DIAGNOSTIC IMAGING Diagnostic imaging is the application of the principles of radiology in the study of the neuromuscular and musculoskeletal system. This online course attempts to assist students to understand the importance of imaging in the patient's diagnostic evaluation through lecture, observation of the various modalities including conventional radiographs, CT, and MRI as they relate to the decision making process in patient/client management.

7212 ADVANCED SPINAL MANUAL THERAPY This elective course involves the study and application of manual therapy in the assessment and treatment of orthopedic conditions involving the spine. The participant will be trained to use manual techniques to assess soft tissue tone, abnormal resistance, and autonomic conditions. The course will also allow the participant to gain skill in application of manual interventions for all appropriate spinal conditions including and not limited to scar mobilization, joint mobilization (including high velocity low amplitude thrust techniques), specific muscle stretching, soft tissue mobilization, muscle energy techniques, and myofascial mobilization. Lecture and laboratory.

7213 ANALYSIS AND SYNTHESIS OF PHYSICAL THERAPY PRACTICE Comprehensive review and analysis of all areas of physical therapy practice. Focus is on synthesis of acquired knowledge to make evaluative judgments in theoretical patient cases. Theories of learning are reviewed and applied to foster the student's mastery of the scope of knowledge of the profession. Prerequisite: Admission to the DPT program.

7216 WOMEN'S HEALTH TOPICS IN PHYSICAL THERAPY An introduction of topics within the Women's Health specialist practice in Physical Therapy. Topics to be covered include the physical therapy patient/client management in the areas of pelvic health (pelvic pain, bladder and bowel conditions), pregnancy and postpartum, osteoporosis, breast and gynecologic cancer and lymphedema, and the female athlete triad. Special emphasis will be placed on the topics of pelvic health and pregnancy/postpartum. Contact hours will include instructional lab time. Prerequisite: Admission to DPT and Consent of Instructor.

7220 WELLNESS AND ADVANCED HEALTH MANAGEMENT This course is presented fully on-line. A course developed for assessing and addressing wellness and the advanced management of human health. The student will explore components of wellness including, but not limited to, lifestyle, social, environmental, mental, spiritual, and physical needs of the client. The student will be exposed to assessment tools for each of the components of wellness and healthful living. Intervention plans that will include modification and implementation of proper patterns of exercise and behavior will also be developed. Advanced concepts of exercise prescription and performance enhancement will be developed by the student for application to the appropriate populations.

7228 CLINICAL EDUCATION PRACTICUM I IN PHYSICAL THERAPY The first in a series of full-time supervised clinical education experiences with emphasis in professional behaviors and physical therapy practice patterns. The clinical experiences are designed to allow the student to practice didactic and clinical skills in a variety of practice environments.

7304 SPORTS I Provides the knowledge and skill required to treat the injured athlete successfully and to develop/implement a sports physical therapy program. Also presented are topic areas which have been identified as advanced clinical competencies, including analyzing evidence-based intervention. Admission to Graduate Physical Therapy Program.

7305 SCIENTIFIC BASES FOR MOTOR CONTROL AND DEVELOPMENT An advanced course addressing theories of motor development from birth to death. Students combine concepts regarding movement pattern changes during the life span with research evidence regarding physiological and anatomical systems. Admission to Graduate Physical Therapy Program.

7306 SPORTS II Provides advanced knowledge and skill including anatomy, biomechanics, pathomechanics, evaluation, specific pathologies, immediate management, rehabilitation, prevention, and sport/injury relationship of the hip, knee, ankle, foot, and related soft tissue. Admission to Graduate Physical Therapy Program.

7307 PROFESSIONAL DEVELOPMENT II This course is designed to continue facilitation of the socialization process by exploring the importance of communication and education in healthcare. Students will contemplate the psychosocial issues related to patients engaged in physical rehabilitation. In addition, students will apply ethical principles to clinical situations. Admission into the DPT Program.

7308 UPPER QUARTER AND CERVICAL SPINE Study of advanced evaluation and treatment of the cervical spine. An eclectic approach to the cervical spine will be presented with specific emphasis on the osteopathic model as an approach to spine function and dysfunction. Treatment will emphasize manual interventions such as muscle energy and direct and indirect mobilization. Admission to Graduate Physical Therapy Program or consent of Instructor.

7309 LUMBOPELVIC DYSFUNCTION Study of advanced evaluation and treatment of the lumbar spine. An eclectic approach to the lumbar spine will be presented with specific emphasis on the osteopathic model as an approach to spine function and dysfunction. Treatment will emphasize manual interventions such as muscle energy and direct and indirect mobilization. In addition, strengthening, lumbar stabilization, and neuro-dynamics will be discussed. Admission to Graduate Physical Therapy Program or consent of Instructor.

7310 PROFESSIONAL LEADERSHIP IN PHYSICAL THERAPY An advanced course addressing current and future professional, legal, and ethical issues related to physical therapy practice, education, and research. Students will examine evolving roles of professional leadership as affected by such factors as changing societal demands, trends in health care, government regulations, and the expanding body of knowledge. These experiences will prepare students for leadership roles as change agents in the profession. Admission to Graduate Physical Therapy Program or consent of Instructor.

7311 DEVELOPMENTAL ANATOMY A course in developmental anatomy with special emphasis on the interrelationships inherent in developing systems, including molecular, morphogenic, genetic, and neural aspects of control mechanisms. Admission to Graduate Physical Therapy Program or consent of Instructor.

7312 SPORTS III Presents a regional perspective of upper extremity function as it relates to athletes. Students analyze research related to physical therapy for upper extremity sports injuries. Admission to Graduate Physical Therapy Program.

7315 COLLEGE TEACHING IN PHYSICAL THERAPY: PROBLEMS AND ISSUES An advanced course addressing problems and issues in teaching physical therapy course work. Students will explore the literature on college teaching in general and then focus specifically on the uniqueness of the professional roles of faculty members in physical therapy. Students are expected to have clinical or academic teaching experience prior to enrollment. Admission to Graduate Physical Therapy Program.

7316 ADVANCED BIOMECHANICAL AND KINESIOLOGICAL ANALYSIS This course emphasizes electromyographic (EMG) recording instruments and techniques commonly used in kinesiological and biomechanical studies and include the use of EMG in motor unit training, biofeedback, and myoelectrics. Students perform, compare, and evaluate intramuscular and surface EMGs relative to variables such as muscle length, tension, and type of contraction. Admission to Graduate Physical Therapy Program or consent of Instructor.

7324 THEORY AND PRACTICE OF EVIDENCE BASED PHYSICAL THERAPY An advanced course for physical therapists which focuses on the theory and practice of making clinical decisions by integrating best available evidence with clinical judgment and patient/client values in the quest for efficacious and effective physical therapy practice. Concepts related to critical appraisal of literature are reviewed and then applied to clinical practice topics of interest to the learners by the acquisition, analysis, synthesis, and discussion of information by the learners. The context of the clinical practice topics will relate to the essential elements of patient/client management in each of the four practice pattern categories, as defined by the Guide to Physical Therapist Practice. The goal of the course is for the learners to advance as clinical scholars in their ability to collect and analyze existing information on focused clinical questions, to formulate evidence based clinical decisions, and to mentor and role model evidence based physical therapy practice. The course is delivered

electronically via the university's web based platform and students need computer and high-speed Internet resources. Prerequisite: Admission to PhD Program or consent of instructor.

7328 CLINICAL EDUCATION PRACTICUM II IN PHYSICAL THERAPY The second in a series of full-time supervised clinical education experiences with emphasis in professional behaviors and physical therapy practice patterns. The clinical experiences are designed to allow the student to practice didactic and clinical skills in a variety of practice environments.

7329 APPLICATION OF PHYSICAL THERAPY IN GERIATRICS Study of physical therapy considerations for the geriatric population with emphasis on the physical and psychological changes associated with the aging process. The course surveys the wellness needs of the older individual, the special needs of the disabled aged, and the role physical therapy plays in maintaining functional independence for these populations. The course will add depth and breadth to the concept of life span aging. Admission to Graduate Physical Therapy Program or consent of Instructor.

7333 OCCUPATIONAL HEALTH AND WORK INJURY MANAGEMENT An integrated approach of service, programs, and treatment regimes provided by physical and occupational therapists for the treatment and prevention of work-related injuries. Admission to Graduate Physical Therapy Program or consent of Instructor.

7334 AQUATIC THERAPY Study of the basic physical properties of water and their application in therapeutic treatment of patients in a water medium. Proper safety precautions, infection control, and pool maintenance will also be studied. Admission to Graduate Physical Therapy Program or consent of Instructor.

7337 WOUND MANAGEMENT IN PHYSICAL THERAPY A comprehensive survey of integumentary practice patterns, including examination (history of taking tests and measures), evaluation for integumentary disorders, developing a diagnosis and prognosis, applying rational interventions for wounds, primary prevention of integumentary impairment, and secondary prevention of functional limitations and disability related to impaired integumentary integrity. Prerequisite: PTHY 6332 or equivalent. Admission to Graduate Physical Therapy Program.

7340 INTERDISCIPLINARY TRAINING AND INTERAGENCY COLLABORATION IN FAMILIES I This course presents foundation didactic information and clinical/community experiences necessary to develop leadership and research skills in delivery of interdisciplinary family-centered health care to children with special needs and their families. Emphasis is on development of skills needed to successfully work with children and families as a member of an interdisciplinary team. Post-professional students will develop knowledge of research design and implementation. Admission to Graduate Physical Therapy Program or consent of Instructor.

7341 INTERDISCIPLINARY TRAINING AND INTERAGENCY COLLABORATION IN FAMILIES II This course is a continuation of PTHY 7340 I. Emphasis is on integrating and applying the clinical and leadership skills learned in PTHY 7340 I to interdisciplinary clinical experiences. Post-professional students will apply research knowledge and skills to an actual project. Admission to Graduate Physical Therapy Program or consent of Instructor.

7345 ADVANCED ELECTROPHYSIOLOGICAL ASSESSMENT Advanced study in the use of nerve conduction and electromyographic techniques in the assessment and evaluation of selected patients. Admission to Graduate Physical Therapy Program or consent of Instructor.

7350 CLINICAL ASSESSMENT OF PERIPHERAL NERVOUS SYSTEM COMPROMISE FOR THE SPORTS, ORTHOPEDIC, AND INDUSTRIAL THERAPIST Advanced study in assessment of the peripheral nervous system for differentiation of peripheral compromise, radiculopathies, and plexopathies. Localization of peripheral lesions and sites of compromise. Admission to Graduate Physical Therapy Program or consent of Instructor.

7360 ADVANCED EVALUATION AND INTERVENTION IN PEDIATRIC PHYSICAL THERAPY Advanced-level course which addresses theories, selection, and administration of varied pediatric assessment tools, analysis of factors affecting outcomes for the pediatric population (birth to adult), and intervention strategies in varied pediatric clinical settings. Students will participate in classroom, lab, and clinical activities to enhance knowledge and skill acquisition to address the needs of diverse pediatric populations. Admission to Graduate Physical Therapy Program or consent of Instructor.

7365 DIFFERENTIAL DIAGNOSIS IN PHYSICAL THERAPY This course presents advanced information that will enable a physical therapist to function more efficiently as a primary care giver in the biomedical community. Emphasis will be placed on the advanced integration of information obtained from examination and assessment procedures in order to differentiate conditions appropriate for treatment by physical therapists from pathologies that warrant referral to appropriate specialists. Advanced examination procedures that allow the differentiation of pathological conditions that present with similar symptoms will be stressed. Admission to Graduate Physical Therapy Program or consent of Instructor.

7380 GERIATRIC ORTHOPEDICS Study of the complexities involved in the treatment of musculoskeletal problems in the older adult with an emphasis on injury prevention, wellness, and functional independence. The course is an advanced-level analysis of the current practice guidelines and research to address the orthopedic specificity of the older population. Admission to Graduate Physical Therapy Program or consent of Instructor.

7385 TEACHING PRACTICUM IN PHYSICAL THERAPY EDUCATION Students will be involved in classroom experiences that include developing teaching strategies, selecting content, writing tests, using media, and managing student behaviors. Students will discuss the faculty issues of workloads, tenure, research, service, faculty development and assessment, and accreditation as necessary for functioning in a physical therapy educational environment. Admission to Graduate Physical Therapy Program.

7387 LIFESPAN MOVEMENT ANALYSIS Examination of various research tools designed to analyze human movement in individuals throughout the life span. Students will develop skills in three-dimensional motion analysis and the use of advanced gait and balance assessment tools. Admission to the PhD Program or consent of instructor.

7390 ADVANCED ANATOMY Advanced study of anatomy with emphasis on clinical anatomy of the musculoskeletal system. Students will correlate regional and systemic anatomical knowledge with clinical applications. Students will be introduced to imaging technology and will use cadaver dissection, prosection use, and interpretation of anatomical images to enhance their understanding of diagnostic and treatment techniques. Admission to Graduate Physical Therapy Program or consent of Instructor.

7403 PHYSICAL AGENTS A study of the instrumentation, application, physiological principles, and clinical uses of physical agents (thermal, mechanical, and electrical modalities and massage) in

physical therapy intervention for selected impairments and conditions. Emphasis is placed on clinical decision making regarding selection and application of a physical agent in an effective and clinically acceptable manner based on patient diagnosis, knowledge of the instrumentation, indications, contraindications, physiological effects of the physical agent, goals of the patient, and scientific evidence. Admission to the DPT Program.

7404 MUSCULOSKELETAL PHYSICAL THERAPY I The management of the patient/client with dysfunction in the extremities including examination, evaluation, diagnosis, prognosis, and intervention (including manual therapy). Instruction will also consist of planning and implementing intervention programs including prevention, wellness, exercise, manual therapy, and other orthopedic physical therapy concepts. Admission to Graduate Physical Therapy Program.

7405 MUSCULOSKELETAL PHYSICAL THERAPY II The management of the patient/client with spinal dysfunction and peripheral nerve injury including examination, evaluation, diagnosis, prognosis, and intervention (including manual therapy). Instruction will also consist of planning and implementing intervention programs including prevention, wellness, exercise, manual therapy, industrial, and other orthopedic physical therapy concepts. Admission to Graduate Physical Therapy Program.

7406 MUSCULOSKELETAL PHYSICAL THERAPY III The study of advanced and intervention of the extremity and spinal areas. Complex case presentations will be presented with intent to allow the student to diagnose patient problems and find solutions to real life cases. Students will be expected to explore relevant evidence to find solutions to the complex scenarios, building clinical reasoning skills. Review of clinical prediction rules, manual interventions (including high velocity low amplitude thrust techniques) for all appropriate spinal and extremity areas, stabilization programs, neuro-dynamics, advanced functional progressions and return to activity, analysis of gait in running and walking, and specialized intervention skills will be included. Admission to the DPT Program.

7409 CLINICAL REASONING AND DIFFERENTIAL DIAGNOSIS Emphasis on selected components of professional practice in physical therapy related to performance of medical screening, differential diagnosis, prognosis, and plan of care; engaging in evidence based practice; and making use of frameworks of clinical reasoning and decision making. Diagnostic imaging as a means of enhancement of the diagnosis given by the physical therapist will be included. Admission to the DPT Program.

7411 PHYSICAL REHABILITATION Evaluation and treatment of patients with multiple trauma, generalized weakness, and specific disabilities or disease process including multiple trauma, amputations, spinal cord injuries, diabetes mellitus, Guillain-Barre Syndrome, post-polio syndrome, multiple sclerosis, Parkinson’s disease, cancer, Charocot-Marie Tooth, and amyotrophic lateral sclerosis. The principles of orthotics and prosthetics design and management are also presented. Admission to the DPT Program.

7515 NEUROLOGICAL REHABILITATION IN PEDIATRICS Physical therapy management of children with birth or acquired conditions affecting motor control and function. Focus placed on motor development, conditions, patient examination, evaluation, motor diagnosis, prognosis, and interventions. Theoretical foundations are reviewed. Environmental contexts are considered. Admission to Graduate Physical Therapy Program.

7516 ADULT NEUROLOGICAL REHABILITATION Study of specific progressive and non-progressive neuromuscular disorders and appropriate examination and treatment strategies based on the patient/client management model. A systems approach to examination and intervention in the adult will be used. Neuromuscular aging will be discussed as related to locomotion and recovery following a neuromuscular insult or injury. Admission to Graduate Physical Therapy Program.

7520 CARDIOPULMONARY PRINCIPLES AND PRACTICE A comprehensive survey of cardiopulmonary practice patterns, including examination (history taking, tests, and measures), evaluation for cardiopulmonary disorders, developing a diagnosis and prognosis, applying rational interventions for cardiopulmonary disorders, and secondary prevention of functional limitations and disability related to cardiopulmonary disorders. Admission to Graduate Physical Therapy Program.

7528 CLINICAL EDUCATION PRACTICUM III IN PHYSICAL THERAPY The third in a series of full-time supervised clinical education experiences with emphasis in professional behaviors and physical therapy practice patterns. The clinical experiences are designed to allow the student to practice didactic and clinical skills in a variety of practice environments.

7529 CLINICAL EDUCATION PRACTICUM IV IN PHYSICAL THERAPY The fourth in a series of full-time supervised clinical education experiences with emphasis in professional behaviors and physical therapy practice patterns. The clinical experiences are designed to allow the student to practice didactic and clinical skills in a variety of practice environments.

7530 CLINICAL EDUCATION PRACTICUM V IN PHYSICAL THERAPY The fifth in a series of full-time supervised clinical education experiences with emphasis in professional behaviors and physical therapy practice patterns. The clinical experiences are designed to allow the student to practice didactic and clinical skills in a variety of practice environments.

School Counseling

URL: http://uca.edu/gbulletin/courses/school-counseling/

[1] Graduate Courses in School Counseling (SCCN)

6V02 SEMINAR IN SCHOOL TESTING (Variable credit: 1-3 credit hours.) Discussion pertaining to testing, using standardized measuring devices in the areas of intelligence, interests, personality, and special aptitudes.

6V05 SEMINAR IN SCHOOL COUNSELING (Variable credit: 1-3 credit hours.) Designed to provide counselor trainees with the opportunity to explore topics fundamental to guidance services. Prerequisite: Consent of instructor.

6V95 INTERNSHIP (Variable credit: 1-6 credit hours.) This course provides a supervised counseling experience for school counseling majors. Students will be required to work in a school setting and provide counseling to school aged children. Candidates must earn six hours of internship credit. Enrollment by permission only. Prerequisite: Practicum.

6320 FOUNDATIONS OF SCHOOL COUNSELING This course is designed to introduce students to the principles, functions and practices basic to school counseling at both the elementary and secondary levels. Specific focus is also given to professional, ethical and legal responsibilities; historical development and current trends and issues. This course includes the characteristics of successful school counselors and the development of basic helping skills. Emphasis is on the first of

the primary interventions (counseling) as spelled out by the American School Counselor Association in its position paper "The Role of the Professional School Counselor" and on the role of the school counselor as an advocate for student success in school and life. This is a step towards our primary mission for the University of Central Arkansas's School Counseling Program which is to prepare *Educators as Reflective Decision Makers*.

6330 MULTICULTURAL COUNSELING IN SCHOOLS The purpose of the course is to insure students know professional and ethical guidelines regarding the counseling of multicultural populations; have knowledge of different cultures; know how to interact effectively with diverse populations; know that diversity in schools, families and communities affect individual behavior.

6340 CAREER GUIDANCE FOR SCHOOL COUNSELORS This course is intended to assist students in learning to use educational and occupational information in career counseling, career guidance and related activities in public schools. Specific emphasis is placed on how students process information in the planning, establishing and managing a career from a life-span perspective. Activities in the class will also bring an awareness of diversity issues in career development. The overall nature of work in America including motivation and future trends, theories of career development, career-related assessment and counseling, sources of occupational information, computer-based guidance, and career-decision process will also be included to insure students can effectively engage in career counseling. The specific focus will be on career counseling for school populations with attention given to the various impact of career counseling on ethnic groups, gender, and persons with disabilities.

6350 DEVELOPMENTAL GUIDANCE This course is designed to enable school counselors to engage in strategic planning to improve this school guidance program. Emphasis is placed on the practical application of planning skills to assess, evaluate, and improve the functioning of the school guidance program in order to meet the needs of students in elementary, middle, and high schools. Students will also become more familiar with P-12 school guidance programs.

6360 SCHOOL COUNSELOR AS CONSULTANT This course emphasizes the role of Counselor as Consultant in public schools. The course gives specific attention to working with teachers as advocates. Additional information is shared regarding working with the community resources available to school counselors.

6365 EDUCATIONAL ASSESSMENT AND MEASUREMENT This course is designed to provide students with an understanding of the appropriate educational assessments and measurements currently utilized in public schools. Specifically, the course will examine benchmark testing and the appropriate use of the information obtained for use with students, teachers and parents. Additional information will be provided in regard to objective tests, interviews as a source of information gathering, and understanding data obtained from a variety of testing methods.

6375 GROUP COUNSELING IN SCHOOLS This course is designed to prepare school counselor candidates to work with students in groups in the public school setting. Both small group and large group activities for classroom guidance and best practice will be discussed in this course. The course focuses on group counseling theories, process and techniques. Prerequisite: PSYC 6354.

6380 SCHOOL COUNSELING INTERVENTION STRATEGIES School Counseling Intervention Strategies provides knowledge and skills in addressing the needs of specific children and adolescents in contemporary society. Stressors such as child abuse, chemical abuse, divorce and multicultural issues and the influences of poverty are included of this course. Specifically these

issues will be discussed in relationship to their influence on student development and academic performance in the school setting.

6390 SCHOOL COUNSELING PRACTICUM This course is intended to allow students the opportunity to provide both direct and indirect counseling services to school aged children in a school setting. This Practicum course provides opportunities for practical clinical/field experience with actual clients/students in school settings. For purposes of school counselor licensure and/or certification, School Counseling students will receive verification of **100 hours** of supervised Practicum experience.

6391 SCHOOL COUNSELING PRACTICUM II This course is intended to allow students the opportunity to provide both direct and indirect counseling services to school aged children in a school setting. This Practicum course provides opportunities for practical clinical/field experience with actual clients/students in school settings.

Science Education

URL: http://uca.edu/gbulletin/courses/science-education/

[1] Graduate Courses in Science Education (SCI)

5422 SECONDARY SCIENCE TEACHING METHODS AND MATERIALS This course reviews instructional methods, curricula, and materials for secondary science classrooms, laboratories, and field trips. Teacher-devised evaluation instruments are reviewed and constructed. Field experience required. Prerequisites: Admission to teacher education, consent of instructor, and approval of the student's advisory committee and the Graduate Committee.

School Leadership, Management, and Administration

URL: http://uca.edu/gbulletin/courses/school-leadership-management-and-administration-slma/

[1] Graduate Courses in School Leadership, Management, and Administration (SLMA)

[1.1]

6112 LEADERSHIP FOR SOCIAL JUSTICE This course critically analyzes philosophical, political, and practical matters reflective of the local, regional, national, and global contexts of social justice. Candidates will examine a broad range of social justice in educational leadership that pertain to history, theory, race and ethnicity, social power, language, gender, sexuality, and physicality for the purpose of influencing organizational policies and practices.

6210 ASSESSMENT AND DATA ANALYSIS FOR SCHOOL IMPROVEMENT This course guides emerging school leaders in creating a climate for assessment to enhance decision-making processes for school improvement purposes. The course focuses on using school-based data as tools for ongoing assessment of the instructional program and the educational environment. The course also emphasizes the simultaneous use and analysis of multiple data sources, both qualitative and quantitative, to target school improvement needs.

6310 FOUNDATIONS OF SCHOOL LEADERSHIP This course explores leadership theories and examines relative models necessary in developing knowledge and skills to lead a diverse school community toward a shared vision of learning. Personality characteristics, leadership traits, and competencies in developing interpersonal relations are explored through reflection and self-examination.

6312 SCHOOL-BASED ORGANIZATIONAL LEADERSHIP This course explores the school leader's interpersonal relations and abilities to lead a diverse school community toward a shared vision of learning and to organize the school as a professional learning community. Candidates will demonstrate knowledge and skills for developing and implementing vision and mission statements, leading school-based learning teams, building consensus among diverse stakeholders concerning the change process, and communicating effectively.

6320 SCHOOL LAW This course provides an in depth study of K-12 school law including federal and state statutes and judicial decisions, with emphasis on Arkansas K-12 education. The candidate will acquire the knowledge and skills to recognize and comply with legal issues impacting schools. The candidate will develop the ability to frame educational and management decisions and practices in the context of constitutional, statutory and case law, and governmental agency policies.

6330 CURRICULUM AND PROGRAM LEADERSHIP FOR SCHOOLS The purpose of this course is to develop educational leaders who promote the success of all students by leading in the development of curriculum and instruction that is student focused and based on research and best practice, and by participating in program evaluation processes, and becoming proficient in the systematic planning, implementation, and refinement of school programs. Candidates explore methods for collecting and analyzing curriculum and program relevant data to develop an understanding of the relationship of curriculum development and program evaluation to school-wide assessment and accountability.

6340 INSTRUCTIONAL LEADERSHIP IN SCHOOLS Foundational to teaching excellence and student success is collaborative supervisory engagement as well as the quality and specificity of professional development. The purpose of the course is to develop educational leaders who promote the success of all students by creating, nurturing, and sustaining a climate and culture of excellence, exhibit skill in data collection and analysis for determining school improvement strategies, and lead in the supervision of instruction that is student focused and based on research and best practices.

6350 PRINCIPAL AS MANAGER The purpose of the course is to develop educational leaders who promote the success of all students by facilitating the development, articulation, and implementation of managerial skills that will promote student achievement. Emphasis will be placed on the management and allocation of human resources, instructional programs, facilities, time management, budget development, and legal issues.

6360 COLLABORATIVE SCHOOL LEADERSHIP The purpose of the course is to develop educational leaders who promote the success of all students by collaborating with families and community members, responding to diverse community interests and needs, mobilizing community resources and promoting the success of all students by understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context.

[1.2] Portfolio Courses

6170 PORTFOLIO This course provides guidance in the development and defense of the professional portfolio that is reflective of national and state educational leadership standards and that demonstrates the knowledge, dispositions, and skills through course-related field experiences, required internship experiences, and individualized internship experiences that candidates engage in while enrolled in School Leadership, Management, and Administration.

6172/6173 PORTFOLIO DEVELOPMENT AND DEFENSE PREPARATION CURRICULUM ADMINISTRATION This course provides guidance in the development and defense of the professional portfolio for curriculum administrators that is reflective of national and state educational leadership standards and that demonstrates the knowledge, dispositions, and skills gained through course-related field experiences, required internship experiences, and individualized internship experiences that candidates engage in while enrolled in School Leadership, Management, and Administration. The Chalk and Wire electronic portfolio system will be used to organize materials in the candidate's portfolio. Taken in the last semester of programs.

6174 PORTFOLIO DEVELOPMENT AND DEFENSE: SPECIAL EDUCATION This course provides guidance in the development and defense of the professional portfolio for program administrators that is reflective of national and state educational leadership standards and that demonstrates the knowledge, dispositions, and skills gained through course-related field experiences, required internship experiences, and individualized internship experiences that candidates engage in while enrolled in School Leadership, Management, and Administration. The Chalk and Wire electronic portfolio system will be used to organize materials in the candidate's portfolio. Taken in the last semester of program.

6175 PORTFOLIO DEVELOPMENT AND DEFENSE: GIFTED/TALENTED This course provides guidance in the development and defense of the professional portfolio for gifted/talented program administrators that is reflective of national and state educational leadership standards and that demonstrates the knowledge, dispositions, and skills gained through course-related field experiences, required internship experiences, and individualized internship experiences that candidates engage in while enrolled in School Leadership, Management, and Administration. The Chalk and Wire electronic portfolio system will be used to organize materials in the candidate's portfolio. Taken in the last semester of programs. Prerequisite: Permission of department.

6176 PORTFOLIO DEVELOPMENT AND DEFENSE: ADULT EDUCATION This course provides guidance in the development and defense of the professional portfolio for adult education program administrators that is reflective of national and state educational leadership standards and that demonstrates the knowledge, dispositions, and skills gained through course-related field experiences, required internship experiences, and individualized internship experiences that candidates engage in while enrolled in School Leadership, Management, and Administration. The Chalk and Wire electronic portfolio system will be used to organize materials in the candidate's portfolio. Taken in the last semester of programs. Prerequisite: Permission of department.

[1.3] Internships

6V62 INTERNSHIP FOR THE CURRICULUM ADMINISTRATOR (Variable credit: 1-3 credit hours.) Substantial, sustained, and standards-based internship experiences are designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and

honing leadership skills through application. The internship course hours are variable and repeatable where each candidate must complete a total of three (3) credit hours of internship for at least two semesters. Candidates will be required to complete experiences at elementary, middle, and high school levels. The internship is an opportunity for candidates to develop skills integrating theory and practice in order to function effectively as curriculum directors in real school settings. These experiences will be planned and guided cooperatively by university and school district personnel. The supervised internship will involve the study of administrative areas, observation of administrators in action, participatory activities, and specific administrative assignments that offer opportunities for interns to internalize and employ administrative skills learned during their graduate coursework. The internship provides each candidate with on-the-job experiences and opportunities to reflect on the impact of his/her leadership.

6V64 INTERNSHIP FOR THE PROGRAM ADMINISTRATOR: SPECIAL EDUCATION
(Variable credit: 1-3 credit hours.) Substantial, sustained, and standards-based internship experiences are designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. The internship course hours are variable and repeatable where each candidate must complete a total of three (3) credit hours of internship for at least two semesters. Candidates will be required to complete experiences at elementary, middle, and high school levels. The internship is an opportunity for candidates to develop skills integrating theory and practice in order to function effectively as special education program coordinators in school settings. These experiences will be planned and guided cooperatively by university and school district personnel. The supervised internship will involve the study of administrative areas, observation of administrators in action, participatory activities, and specific administrative assignments that offer opportunities for interns to internalize and employ administrative skills learned during their graduate coursework. The internship provides each candidate with on-the-job experiences and opportunities to reflect on the impact of his/her leadership.

6V65 INTERNSHIP FOR THE PROGRAM ADMINISTRATOR: GIFTED/TALENTED
(Variable credit: 1-3 credit hours.) Substantial, sustained, and standards-based internship experiences are designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. The internship course hours are variable and repeatable where each candidate must complete a total of three (3) credit hours of internship for at least two semesters. Candidates will be required to complete experiences at elementary, middle, and high school levels. The internship is an opportunity for candidates to develop skills integrating theory and practice in order to function effectively as gifted/talented program coordinators in school settings. These experiences will be planned and guided cooperatively by university and school district personnel. The supervised internship will involve the study of administrative areas, observation of administrators in action, participatory activities, and specific administrative assignments that offer opportunities for interns to internalize and employ administrative skills learned during their graduate coursework. The internship provides each candidate with on-the-job experiences and opportunities to reflect on the impact of his/her leadership. Prerequisite: Permission of department.

6V66 INTERNSHIP FOR THE PROGRAM ADMINISTRATOR: ADULT EDUCATION
(Variable credit: 1-3 credit hours.) Substantial, sustained, and standards-based internship experiences are designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. The internship course hours are

variable and repeatable where each candidate must complete a total of three (3) credit hours of internship for at least two semesters. Candidates will be required to complete experiences at elementary, middle, and high school levels. The internship is an opportunity for candidates to develop skills integrating theory and practice in order to function effectively as adult-education program coordinators in school settings. These experiences will be planned and guided cooperatively by university and school district personnel. The supervised internship will involve the study of administrative areas, observation of administrators in action, participatory activities, and specific administrative assignments that offer opportunities for interns to internalize and employ administrative skills learned during their graduate coursework. The internship provides each candidate with on-the-job experiences and opportunities to reflect on the impact of his/her leadership. Prerequisite: Permission of department.

6120 INTERNSHIP: ELEMENTARY SCHOOL Part I of the required School Internship experience for students in the MS program in School Leadership, Management, and Administration. Substantial, sustained, and standards-based internship experiences designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. Experiences are cooperatively planned and guided by university and licensed school personnel.

6130 INTERNSHIP: MIDDLE SCHOOL Part II of the required School Internship experience for students in the MS program in School Leadership, Management, and Administration. Substantial, sustained, and standards-based internship experiences designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. Experiences are cooperatively planned and guided by university and licensed school personnel. Co-requisite: SLMA 6330.

6140 INTERNSHIP: HIGH SCHOOL Part III of the required School Internship experience for students in the MS program in School Leadership, Management, and Administration. Substantial, sustained, and standards-based internship experiences designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. Experiences are cooperatively planned and guided by university and licensed school personnel. Co-requisite: SLMA 6340.

6150 SCHOOL INTERNSHIP IV Part IV of the required School Internship experience for students in the MS program in School Leadership, Management, and Administration. Substantial, sustained, and standards-based internship experiences designed to meet the individual needs of prospective school leaders in synthesizing the knowledge base and honing leadership skills through application. Experiences are cooperatively planned and guided by university and licensed school personnel. Co-requisite: SLMA 6350.

Spanish

URL: http://uca.edu/gbulletin/courses/spanish/

[1] Graduate Courses in Spanish (SPAN)

5300 INDEPENDENT STUDY IN SPANISH On demand.

5315 MASTERPIECES OF PENINSULAR LITERATURE AND CULTURE This course explores several full-length masterpieces of Peninsular literature and culture that have come not only to define the field of Peninsular studies, but also to be associated with Spain in the greater arena of cultural consciousness. By studying these texts in depth and in the original language, as well as in the context of other "masterpieces" from all genres and major periods, students will be challenged to explore how these works define (or defy) the canon and/or cultural identity which Spain has sought to establish for itself. Discussion/lecture. (Core course)

5340 HISTORY OF THE SPANISH LANGUAGE This course offers a study of the development of the modern Spanish language from its Latin, Romance, and Medieval dialects to its current form. It considers such topics as the fundamentals of linguistics, phonetic change, the development of the verbal system, the dissolution of the case system, regional variations, and non-latinate influences (such as Arabic and Greek) on Spanish. Attention will also be paid to some of the historical factors that influenced the development of Spanish such as the Reconquest and the formation of an empire under the Catholic monarchs. Includes analysis and discussion of selected texts that are representative of the language's development. Discussion/lecture. (Core course)

5345 MASTERPIECES OF LATIN AMERICAN LITERATURE This course offers a study of literary works and masterpieces of some of the most influential writers in Latin America. Attention will be paid to historical factors that have shaped the development of literature in this region of the world such as the Conquest, the Colonies, the War of Independence, the Age of Violence, and revolutions. It will include analysis and discussion of selected texts. The course presents a selection of works that have been recognized by specialists, scholars, and critics as outstanding in Latin American Literature. Discussion/lecture. (Core course)

5350 INTRODUCTION TO SPANISH LINGUISTICS This course is an introduction to the Spanish language system. After a basic examination of linguistic concepts this course will extensively explore Spanish phonetics, phonology, morphology and syntax. In addition to an overview of the history of the Spanish language, it may consider the implications of sociolinguistics, semantics, and linguistic variation.

5395 ADVANCED SPANISH LITERATURE: THEME COURSE Special studies in various genres, literary movements, or authors. May be repeated for credit under different topics. Prerequisite: one upper-division literature course or permission of department.

5396 HISPANIC STUDIES: THEME COURSE Special studies relating modern analytical essays and writing to sociological, political, cultural, and philosophical aspects and/or trends in the Spanish-speaking world. May be repeated for credit under different topics. Prerequisite: one upper-division civilization course or permission of department.

6V98 TRAVEL SEMINAR ABROAD (Variable credit: 3 or 6 credit hours.) Intensive study in Mexico, Spain, or another approved Spanish-speaking country. Classes in Spanish grammar, conversation, history, literature, culture, and contemporary topics.

6301 APPLIED SPANISH LINGUISTICS Phonological, morphological, and syntactical problems encountered by the teacher of Spanish.

6302 ADVANCED SPOKEN AND WRITTEN SPANISH Intensive practice in speaking and writing Spanish.

6330 HISPANIC AUTHOR SEMINAR This course offers a thorough study of selected works of a single major author in Spain or Spanish America. Attention will be given to the evolution in their writing, the employment of different literary genre, and the cultural and historical contexts which inform their creative acts and reception. Discussion/lecture.

6335 SEMINAR ON LITERARY GENRE This course offers a thorough study of a single literary genre, such as novel, short story, poetry, drama, or essay, in Spain or Spanish America. In this course, students will examine the degree to which a genre is governed by its own poetics, responds to shared sociocultural preoccupations, and changes over time and space. Discussion/lecture.

6340 SEMINAR ON GABRIEL GARCIA MARQUEZ This course offers an in-depth study of the literary works of the Colombian author Gabriel Garcia Marquez. Awarded the Nobel Prize for Literature in 1984, Garcia Marquez is presently Latin America's most widely known and admired novelist. His fiction imparts not only the stark reality of an emerging continent, but also, through the humanistic and universalizing elements of myth, imagination, and aesthetic perception, an original and peculiar vision of the human condition. Discussion/lecture.

6380 THESIS RESEARCH The MA thesis in Spanish will require candidates to explore in-depth a topic of their choosing and approved by a faculty member.

6395 STUDIES IN SPANISH LITERATURE: THEME COURSE Special topics on various genres, literary movements, or authors. May be repeated for credit under different topics.

6396 HISPANIC STUDIES: THEME COURSE Special studies relating modern analytical essays and writings to sociological, political, cultural, and philosophical aspects of the Spanish-speaking world. May be repeated for credit under different topics.

6397 TOPICS IN ADVANCED SPANISH LINGUISTICS This course allows for the exploration of a variety of advanced linguistic topics, varying by semester according to program needs, faculty availability and expertise, and student demand. Discussion/lecture. May be retaken for credit under a different topic.

World Languages

URL: http://uca.edu/gbulletin/courses/world-languages/

[1] Graduate Courses in World Languages (WLAN)

5315 METHODS OF TEACHING SECOND LANGUAGES Modern methods of instruction in foreign language, English as a second language, and culture. Materials, planning, and classroom techniques are emphasized. May not be presented as part of the foreign language major or minor requirements. This course is part of the ESL endorsement and foreign language teaching licensure program at UCA. Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences. Prerequisites: For students pursuing ESL endorsement: consent of chair. For students pursuing licensure in a foreign language: two 3000 level language courses or a passing score on the Praxis II exam and consent of chair.

5325 SECOND LANGUAGE ACQUISITION A study of the most common theories and best-known research on second language acquisition (SLA), similarities and differences of first and second language acquisition, and the relevance of SLA to classroom teaching of second language.

Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences.

5330 SECOND LANGUAGE ASSESSMENT A study of second language assessment techniques and procedures. Construction and critique of instruments for assessing proficiencies in listening, speaking, reading, and writing. Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences.

5360 SPANISH FOR PROFESSIONALS A topics course designed to provide intensive study of vocabulary, grammatical structures, interview techniques, and cultural information related to a given professional setting (health care, education, business). Students will examine current issues related to serving the needs of the Hispanic population in a given professional context. May not be presented as part of the requirements for the MA in Spanish. Prerequisite: Consent of the chair.

Writing

URL: http://uca.edu/gbulletin/courses/writing/

Creative Writing courses use a new prefix—CRWR—beginning in Fall 2017. See the CRWR course page for details.

[1] Graduate Courses in Writing (WRTG)

5330 COMPOSITION THEORY AND PEDAGOGY This course examines composition theory and pedagogy at a graduate level through both readings and direct observation of composition classrooms. The course concentrates on the history of contemporary composition theory and the key issues fundamental to the development of the discipline. Research, writing, and reading requirements will be more rigorous than the undergraduate Composition Theory course with each graduate student being required to gain expert knowledge of one major theorist in the field for a major research paper, work on a semester long project to produce an original curriculum design for writing intensive courses. Prerequisite: Graduate status.

6310 ADVANCED TOPICS IN DISCOURSE ANALYSIS An elective for students in the MA in English Language Arts and the MFA in Creative Writing. Emphasis is placed on the application of discourse analysis to education, and, in particular, to English language teaching. Discourse analytic methods and techniques will be discussed and illustrated in detail. Students will be able to analyze both print and web-based discourses using both quantitative and qualitative methods in essays. Discussion, workshop.

6610 CENTRAL ARKANSAS WRITING PROJECT SUMMER INSTITUTE The Central Arkansas Writing Project Summer Institute for the Teaching of Writing is a special, selective five week intensive program that gathers exceptional K-12 teachers from the Central Arkansas region to study writing and the teaching of writing from published research and guest presentations on classroom practices.

5. Other Information

The following pages have not been reproduced in this document:

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