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**Biennial Catalog Issue, 2007-2009, Volume LXXXV**

**Referring to a digital document:**

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**Printing the bulletin:**

Read [print.html](#) for tips on printing the bulletin's documents or to download a printable file of the entire bulletin.

**System requirements:**

To take full advantage of UCA's new "digital-first" Graduate Bulletin, you need a late-version browser (6.x preferred in the mainstream browsers) compatible with javascript and cascading style sheets (CSS1) standards. (Earlier browsers should be able to access the bulletin's content.)

Graduate Bulletin

Document Number 0.06

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## **Notice of Non-Discrimination**

The University of Central Arkansas is an affirmative action/equal opportunity institution. 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 without regard to sex, race or color, religion, national origin, age, disability, or other factors irrelevant to participation in its programs. 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:

### **Affirmative Action/Equal Employment Officer**

University of Central Arkansas

Wingo 207

201 Donaghey Avenue

Conway, Arkansas 72035

(501) 450-3170

### **Director of Disability Support Services**

University of Central Arkansas

Student Health Building

UCA PO Box 5154

Conway, AR 72035

(501) 450-3135

### **Director of Human Resources**

University of Central Arkansas

Wingo 106

201 Donaghey Avenue

Conway, AR 72035

(501) 450-3181



Art and Design (programs: Art, Studio Art, and Interior Design), the National Association of Schools of Music (program: Music), and the National Association of Schools of Theatre (program: Theatre).

The baccalaureate degree in chemistry is approved by the Committee on Professional Training of the American Chemical Society.

The University of Central Arkansas is a provisional institutional member of the National Alliance of Concurrent Enrollment Partnerships.

Documentation of accreditation status is available in the President's Office.

Accreditation by the Higher Learning Commission and membership in the North Central Association may be verified by contacting the Commission:

### **North Central Association of Colleges and Schools**

#### **Higher Learning Commission**

30 North LaSalle Street, Suite 2400

Chicago, IL 60602-2504

Telephone: (312) 263-0456 or (800) 621-7440 (voice); (312) 263-7462 (fax)

Web: <http://www.ncahigherlearningcommission.org>

Graduate Bulletin

Document Number 2.01

## **About the University of Central Arkansas**

### **[1] University of Central Arkansas Statement of Mission and Principles**

The mission of the University of Central Arkansas is to maintain the highest academic quality and to ensure that its programs remain current and responsive to the diverse needs of those it serves. A partnership of excellence among students, faculty, and staff in benefit to the global community, the University is committed to the intellectual, social, and personal development of its students; the advancement of knowledge through excellence in teaching and research; and service to the community. As a leader in 21st-century higher education, the University of Central Arkansas is dedicated to intellectual vitality, diversity, and integrity.

In carrying out this mission, the university is guided by the following principles:

Teaching and learning flourish where disciplinary integrity and the focused explorations it allows are balanced by the connection-building of interdisciplinary collaboration.

The search for knowledge entails both interaction and solitary reflection.

Students accrue the greatest benefits when they master both trans-disciplinary skills--such as communication, critical thinking, and information literacy--and the specific bodies of information and ways of knowing particular to individual disciplines.

Individual faculty may employ radically different methods in their teaching, scholarship, and other professional practice and be equally effective.

Embracing diversity--e.g., political, racial, intellectual, cultural--strengthens and enriches a university.

A vital component of a student's experience in the university is the development of personal and social well-being and maturity.

A university maintains its viability by sharing the talents and resources of the university with the global community.

## [2] History of UCA

The University of Central Arkansas was established as Arkansas State Normal School by the General Assembly of Arkansas in 1907, with statewide responsibility for preparing citizens to teach Arkansas children. Summer sessions were started in 1910.

The name of the institution was changed to Arkansas State Teachers College in 1925. By legislative enactment, the Board of Trustees was given authority to grant appropriate degrees. In January 1967, the name of the institution was again changed by the state legislature to the State College of Arkansas, expanding its statewide role to a multipurpose institution. On January 21, 1975, the governor of Arkansas signed a bill granting university status to the institution and naming it the University of Central Arkansas.

The first diploma granted by Arkansas State Normal School was the Licentiate of Instruction, and in 1922 the first baccalaureate degrees were granted. Today the university's comprehensive undergraduate curriculum comprises more than 70 major programs and 11 different degrees and certificates. A program of study leading to the Master of Science in Education degree was inaugurated in 1955, and the Educational Specialist degree was begun in 1980. Since that time, UCA has developed a variety of high quality offerings in graduate studies, with more than 45 graduate program options and 12 different graduate degrees and certificates, including doctoral programs in physical therapy, school psychology, communication sciences and disorders, and leadership studies. Extension classes were first offered through Correspondence Study courses in 1919-1920 and Study Clubs in 1920-1921.

Academic outreach, including extended-learning opportunities for undergraduate and graduate credit and in non-credit courses, continues to play an important role in fulfilling the university's twenty-first century mission.

### **[3] Institutional Memberships**

The university holds membership in the North Central Association of Colleges and Schools, American Council on Education, Association of State Colleges and Universities, National Council for the Accreditation of Teacher Education, American Association of Colleges for Teacher Education, AACSB - The International Association for Management Education, National Association of Schools of Music, National Association of Schools of Art and Design, National Association of Schools of Theater, the American Association of University Women, Association for Childhood Education International, Council of Graduate Schools, National Council of University Research





Requests for information on all programs, registration, GRE information.

## **[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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### **Graduate Record Examinations**

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## The Graduate School

### [1] Statement of Purpose

The Graduate School at the University of Central Arkansas offers programs in professional and technical fields, liberal and fine arts, and basic sciences. Through graduate education, the University seeks to produce individuals with advanced knowledge and skills who appreciate learning and who can address issues creatively through inquiry and critical analysis.

The Graduate School has as its central purposes

- To provide support for graduate programs through the leadership of the Dean of the Graduate School and the Graduate Council, representing the graduate faculty;

- To ensure the quality of graduate programs through support for program self-assessment and through regular program review;

- To meet the needs of qualified students by providing access to graduate programs and opportunities for continued professional and personal development; and

- To stimulate and support creative, scholarly, and research activity through the University Research Council and the Office of Sponsored Programs.

### [2] Graduate Degrees and Programs

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's, 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] 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.

## **[2.2] Master's, Specialist's, and Professional Doctoral Degrees**

The master's, specialist's, 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 s 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] 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



Spanish

**Master of Arts in Teaching (MAT)**

**Master of Business Administration (MBA)**

**Master of Fine Arts (MFA)**

Digital Filmmaking

**Master of Music (MM)**

**Master of Science (MS)**

Applied Computing

Applied Mathematics

Biology

College Student Personnel Services and Administration

Community and Economic Development

Community Service Counseling

Counseling Psychology

Family and Consumer Sciences

Health Sciences

Health Systems

Kinesiology

Library Media and Information Technologies

Occupational Therapy

Physical Therapy

School Counseling

School Leadership, Management, and Administration

School Psychology

Speech-Language Pathology

Training Systems

**Master of Science in Education (MSE)**

Advanced Studies in Teaching and Learning

Childhood Education

Reading

Special Education (Collaborative Instructional Specialist, Ages 0-8; Collaborative Instructional Specialist, Grades 4-12)

## **Master of Science in Nursing (MSN)**

### **Graduate Certificate Programs**

Business Management

Diverse Literatures

Geographic Information Systems

MSN Post Master's Certificate

### **[4] Graduate Faculty Profile**

Two hundred and forty-six (246) members of UCA's faculty (fewer than half) currently hold graduate faculty status. These faculty received their terminal degrees from more than 85 different institutions of higher education, with



the Graduate School and requesting copies of the form Application for Admission to Graduate Study; application forms are also available on the web at <http://www.uca.edu/divisions/academic/graduate>. 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. Students enrolled through Academic Outreach and Extended Programs 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, and Speech-Language Pathology) have application deadlines and admit a limited number of students only one time per 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.



approved by the Graduate Dean. With good justification, this classification can be used when students:

1. Have not met the minimum GPA requirement for regular admission;
2. Need to complete prerequisites specified by the department offering the graduate program of interest;
3. Have not met the more stringent admission requirements specified by programs; or
4. Have not submitted all required admission materials prior to initial enrollment (e. g., GRE/GMAT).

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.

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 may then request reclassification to regular admission status and petition for candidacy in a graduate degree program. If a 3.00 GPA is not achieved, the student will be denied further graduate enrollment at the University of Central Arkansas.

In the case of failing to submit the required standardized test score, 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.

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 and is otherwise fully qualified to enter graduate study, that student may be admitted to concurrent status. An Application for Admission to Graduate Study and anus. An Applic EMCion 2frt0/eO

## **[6] Admission of International Students**

Application materials for international applicants may be obtained from the Office of International Programs 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 Programs, 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.

Applicants whose first language is not English will be considered proficient in English if they have completed a four-

Office of International Programs

3rd Floor Torreyson Library

Conway, AR 72035-0001 USA

Phone: (501) 450-3445 (voice), (501) 450-5095 (fax)

E-mail: [oiip@uca.edu](mailto:oiip@uca.edu)

Web: <http://www.uca.edu/divisions/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 graduate study at the University of Central Arkansas.

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 exceeding 30 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.

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.

Graduate Bulletin

Document Number 2.06

## **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 on a graduate degree.

No credit may apply toward a graduate degree unless it fits into the student's approved program of study.

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.

## [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 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 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 individual 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):  $QP \div SCH = GPA$ . For example, if a student has earned 96 quality points on 30 semester hours attempted, the GPA is 3.20 ( $96 \div 30 = 3.20$ ). The following table 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 study 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. Non-degree students will be assigned an advisor by the graduate school.

## [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 Office or on the Graduate School web site at <http://www.uca.edu/divisions/academic/graduate>. The student must allow sufficient time for ans>BDling the ses ear3id4d fuwring the seTj 0 0 0 rg 13 Td (su2.313denwd0ng dermdissertat0

procedures for graduate students who are accused of academic misconduct are specified in the Student Handbook. UCA's Integrity in Scholarly Activities Policy is found on the web at <http://spo.uca.edu>.

### **[10] Policy on Research with Human Subjects**

Graduate or undergraduate student research programs 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://spo.uca.edu>.

### **[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 <http://spo.uca.edu>.

### **[12] Statute of Limitations**

All requirements for a master's degree must be satisfied within six consecutive years and for a doctoral degree within ten consecutive years.

### **[13] Second Master's Degree**

Subject to review by the graduate dean, college dean, department chair, and program advisor, students holding valid master's degrees 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. Transferring these six hours for specific courses in the program for the second master's degree will be indicated in writing as the program of study is prepared by the program advisor. 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 must be taken in residence at the University of Central Arkansas.

The second master's degree will be subject to the general regulations governing master's degrees 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 - Withdrawn, WP - Withdrawn Passing, or WF - Withdrawn Failing) will be recorded according to the deadlines specified in the academic calendar for the semester and, when applicable, at the discretion of the course instructor, so long as the course instructor has not already dropped the student for non-attendance.

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

Graduate Bulletin

Document Number 2.07

#### **Petition for Candidacy and Program of Study**

##### **[1] Master's, Specialist, and Professional Doctorate Candidates (DPT)**

A graduate student wishing to pursue a degree must petition for candidacy to the selected degree program; the Petition for Candidacy includes a Program of Study. The student may apply for degree candidacy at the end of the enrollment period in which the total number of graduate hours accumulated toward the current degree reaches 9 or



on line at <http://www.uca.edu/divisions/academic/graduate/>.

Graduate Bulletin

Document Number 2.09

### **Assistantships and Other Forms of Financial Aid**

Graduate assistantships are available for qualified students in more than 30 academic areas and in approximately 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 200 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 Jane Douglas in the Graduate School or on-line at [www.uca.edu/divisions/academic/graduate/](http://www.uca.edu/divisions/academic/graduate/) then link to Information for Current Students. 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.

Graduate Bulletin

Document Number 2.10

## **Fees and Other Charges**

**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**



about the Student Withdrawal and Refund Policy #612. Contact the Financial Aid Office at (501)-450-3140 for information about Title IV funds regulations.

## **[5.2] 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.

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

Students who officially withdraw from the Student Withdrawal and Refund Policy #612





research and finding information required for course assignments. Students may also receive assistance by phone at 501-450-3129 or via the Library's website at <http://library.uca.edu>.

Online databases, available through the Library's website on a 24/7 basis, provide access to business information, legal information, and to full text journal, magazine, and newspaper articles in the humanities, social sciences, life sciences, and applied sciences.

## **[2] Academic Outreach and Extended Programs**

Academic courses offered through Academic Outreach and Extended Programs are governed by different fee, refund, and registration policies than on-campus courses. These courses may include those held off-campus, taught off-schedule, funded by grants, or delivered through distance learning (Internet and compressed video). Copies of AOEP policies and information on course offerings are available in Brewer-Hegeman Conference Center, (501) 450-3118, or on-line at <http://www.uca.edu/aoep/>.

## **[3] Career Services**

The Career Services Center, located at 314 Bernard Hall, provides services to assist students in determining career and educational choices. Through both group and individual counseling, the center tries to help students better understand themselves, their interests, and abilities.

The Center will (1) provide information on careers, current job trends, colleges and graduate schools and (2) develop, sponsor and coordinate career-oriented programs for all students throughout the school year. The Center maintains a current library which includes directories of colleges, graduate schools and employers, the latest books on interview preparation and job hunting techniques, literature on specific companies and government agencies, and literature on any career. Career-oriented programs may include seminars, interview preparation, careers for women, career opportunities for minorities, and job-hunting techniques.

Placement services are provided for students and alumni to help them find full time, part-time, temporary, and summer employment in business, industry, government and education.

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

## **[3] Computer Services**

Personal computers are readily available in some departments and in computer laboratories, the library, and the student center. For more information see <http://it.uca.edu/index.shtml>. Statistical software packages are available for personal computers as well as on the university mainframe.

#### **[4] Counseling Center**

The Counseling Center, located in the Student Health Building, provides students, faculty, and staff with a variety of services designed to facilitate personal development. All services are free and confidential in nature. Appointments can be made by calling 450-3138 or by coming by the Center Monday through Thursday, from 8:00 a.m. to 6:00 p.m., and Friday from 8:00 a.m. to 4:30 p.m. A detailed brochure describing the full scope of activities provided is available upon request or the Center can be accessed on the Internet at [www.uca.edu/counseling](http://www.uca.edu/counseling). The Counseling Center is accredited by the International Association of Counseling Services, Inc.

#### **[5] Disability Support Services**

The Office of Disability Support Services is located in the Student Center basement, room 01A. UCA seeks to be in compliance with both the spirit and letter of the law as stated in Section 504 of the Rehabilitation Act, as amended, and the Americans with Disabilities Act. This office's primary goal is to provide access to all programs and reasonable accommodations to qualified students. It is the responsibility of the students to notify the University of any disability or disabilities. Students who attend UCA are required to provide documentation of disabilities. As soon as the student is accepted for admission to the university, they should complete a confidential registration form and make an appointment to meet with an office staff member to discuss the program and any accommodations that will be necessary. Academic accommodations may include taping textbooks, enlarging textbook print, reader services, interpreters, use of adaptive technology, and alternative testing procedures. Other services are also arranged, depending upon the student's particular needs. Disability Support Services is available by phone at 501-450-3135 or online at <http://www.uca.edu/divisions/student/disability/>.

#### **[6] Health Promotion and Wellness**

Health Promotion and Wellness Services is located in the HPER Center, room 204 and is open from 8:00 a.m. to 4:30 p.m. Monday through Friday. The main function of this office is to promote healthy behavior in the UCA community. Community assessments are conducted such as the CORE Alcohol and Drug Survey. Educational programs are developed, implemented, and evaluated that impact health choices. The office acts as a resource for health information and it is provided through a variety of brochures on various topics free of charge.

The primary focus of Health Promotion and Wellness activities is prevention. One goal is to create conditions at UCA where negative health behaviors are less likely to occur. Educational events and healthy alternative activities are held each semester and are free to all UCA students. The events include: Alcohol and Drug Awareness Week, Great American Smoke-Out, World Aids Day, Volunteer Fair, Health Fair, and Volunteer Day. The office provides programs on alcohol and other drugs, stress management, sexually transmitted diseases, and other topics. These programs may be presented by members of the Wellness Club, a group of students trained to present programs in these areas. Students interested in volunteerism can gather information about volunteer needs. The office serves as a referral source for all non-profit agencies in Faulkner County. For more information call 450-3133.

## **[7] International Programs**

The Office of International Programs coordinates international student matters within the university and acts as a liaison between international students, administrative and departmental offices of the university, agencies of the US government, and private organizations. It processes all international undergraduate applications for admission, notifies students of their admission status, and issues admission documents. In addition, it organizes and coordinates a variety of UCA study abroad programs and supplies students with information about other study abroad opportunities.

The university provides English language training for students who need to increase their English proficiency (see Intensive English Program).

The Office of International Programs sponsors a variety of support services for international students. Advisory services are available regarding financial, personal, educational and social issues, health insurance claims, and the requirements of the Immigration and Naturalization Service. Other services and programs include the following:

A comprehensive orientation program that meets the unique needs of new international students, including airport pick-up, advising, testing, registration, banking, and shopping. The program is designed to complement the new student orientation offered by the university.

The American Host Program, which introduces international students to area families so that they can experience American culture and family life in the US.

The Speakers Bureau, which gives students the opportunity to share their culture through presentations to local schools and civic organizations.

UCA is a member of the Council for International Educational Exchange and the Institute of International Education. Both of these organizations provide significant support and resources for institutions and for students wishing to study abroad.

The Office of International Programs is available by phone at 501-450-3445 or online at <http://www.uca.edu/newweb/international/>.

## **[8] Minority Services**

The Office of Minority Services, located in room 01A of the Student Center basement, is available to provide resources and support services for UCA students. The Minority Mentorship Program, the Umoja Leadership Institute, APT Summer Academy, and the Transitions Workshop are coordinated through the office. Each of these programs is designed to assist students, particularly African-American students, in making the adjustment to college life and succeeding at UCA. In addition, the office offers multicultural training and workshops for students, faculty and staff. For more information, call 450-3135.

## **[9] Student Center**

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

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

## **[10] Student Health Services**

Student Health Services is located in the Student Health Building and is open from 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 4:15 p.m. Monday through Friday. Services available include: measles, mumps, rubella, tetanus/diphtheria, hepatitis-B(\$30 per injection) and meningitis(\$70) immunizations, examination and treatment of minor illness or injury, TB skin tests, blood pressure checks, tests for pregnancy, blood sugar, cholesterol, strep test, urinalysis, mononucleosis test, pulse oximetry, and peak flow measurements as ordered by the nurse practitioner.

EKG, laceration repair, removal of simple lesions, IV re-hydration, IM injections of a limited formulary and prescriptions on Schedule III, IV, and V are provided upon the order of an Advanced Practice Nurse (Nurse Practitioner). Women s health care, including pap smears by appointment, and pelvic exams as needed are

## 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 in taxation. 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

Admission to the Master of Accountancy program is based on the applicant's undergraduate record and score on the Graduate Management Admission Test (GMAT). Requirements include:

1. Baccalaureate degree in accounting from accredited institution\*
2. Undergraduate Grade Point Average (GPA) of 2.7 or above; or a Grade Point (GPA) of 3.0 in last 60 hours
3. Submission of a score of 450 or above on the Graduate Management Admission Test (GMAT).
4. Index minimum: 1000 when computed on overall GPA or last 60 hours of study.
5. Index formula:  $GPA \times 200 + GMAT = Index$ .
6. A TOEFL (Test of English as a Second Language) score of 550 on paper version or 213 on computerized

version for students whose first language is not English.

\*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 (42 hours total):

Intermediate Accounting (6 hours)

Cost Accounting (3 hours)

Individual Taxation (3 hours)

Auditing (3 hours)

Non-Profit and Governmental Accounting (3 hours)

Microeconomics (3 hours)

Macroeconomics (3 hours)

Management (3 hours)

Marketing (3 hours)

Principles of Finance (3 hours)

Statistics (3 hours)

Business Law (3 hours)

Introduction to Management Information Systems (3 hours)

Additionally students must fulfill all general requirements for graduate admission as required by the Graduate School.

### **[3] Petition for Candidacy**

In the semester following the completion of nine semester hours of graduate work the student must apply for candidacy for the Accountancy degree. Courses taken prior to applying for candidacy will be used toward the degree provided they are appropriate for the program and were approved by the Graduate Coordinator. The Petition of Candidacy must include all courses completed and to be taken for completion of degree and the semester and year in which course was/will be taken.

### **[4] Degree Requirements**

The Master of Accountancy requires 30 hours of course work beyond the baccalaureate degree, of which at least 24 hours must be in courses open only to graduate students (6000 level courses). A concentration in taxation may be obtained by completing nine hours of electives in taxation courses offered by the department. Courses will be scheduled so that a full-time student will be able to complete the program in one academic year.



## **[5] Curriculum**

### **[5.1] Courses Required of All Students (18 hours)**

ACCT 6309 Tax Research and Planning  
ACCT 6310 Advanced 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

### **[5.2] Electives (12 hours)**

ACCT 5312 Advanced Accounting (see Note A)  
ACCT 5316 Advanced Income Tax (see Note A)  
  
ACCT 6325 International Accounting and Auditing  
  
ACCT 6390 Special Problems in Accounting  
MBA 6301 Decision Modeling in Information Systems  
MBA 6302 Accounting for Management Decisions (see Note B)  
MBA 6303 Managerial Economics  
MBA 6305 Financial Decision Making  
MBA 6306 Legal Environment for Business Managers (see Note B)  
MBA 6307 Entrepreneurship: The Act of Wealth Creation  
MBA 6308 Marketing Strategy  
MBA 6320 Strategic Management  
  
MBA 6325 Organizational Behavior  
  
MBA 6330 Operations Management

### **[5.3] Concentration in Taxation**

A concentration in taxation requires that the following electives be completed:

ACCT 6319 Corporations and Shareholder Taxation

ACCT 6329 Partnership and S-Corporation Taxation

ACCT 6339 Estate and Gift Taxation

Note A: ACCT 5312 Advanced Accounting and ACCT 5316 Advanced Income Tax are open to graduate and undergraduate students. Students not completing equivalent courses in their undergraduate program are required to complete ACCT 5312 and ACCT 5316 in their master's program. The courses will be allowed for graduate credit only if the student has not completed a similar course at the undergraduate level.

Note B: Not open to students who have completed a similar course in the undergraduate level.

### **[6] Graduate Courses in Accountancy (ACCT)**

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

### **[7] Graduate Courses in Business Administration (MBA)**

Follow these links for MBA course descriptions: [5000-level](#) and [6000-level](#).

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a minimum GMAT score of 500. Students who have had the equivalent of any Pre-MBA course either as an undergraduate or graduate student in another program may be exempt from taking that course. Please consult with the MBA Director. Pre-MBA courses include

MBA 5310 Financial and Managerial Accounting Principles

MBA 5320 Foundations of Economic Science

MBA 5330 Finance Concepts

MBA 5340 Principles of Management

MBA 5350 Fundamentals of Marketing

MBA 5360 Quantitative Analysis for Business

See below for pre-MBA ("leveling")/graduate certificate course descriptions.

## **[2] Graduate Certificate Program in Business Management**

To fulfill the requirements for the graduate certificate program in business management (GCBM), the student must complete a 19-hour program with a minimum GPA of 3.0. The required courses are MBA 5110 Seminar in Developments in Business Management and the six pre-MBA courses listed above.

**[3]ertimvsteserte ceh e ta31.397luyam e options.**

**MBA 5, the student**



in which course was/will be taken.

### [3.4] Degree Requirements (MBA)

To receive the MBA degree, the student must complete the following 30-hour MBA core courses with a GPA of 3.00 or higher. Depending on the student's background (e.g., non-business undergraduate degree), some or all of the pre-MBA foundation courses may be waived by the MBA Director.

#### **Pre-MBA courses (18 credit hours) equivalents**

#### **UCA undergraduate**

MBA 5310 Financial and Managerial Accounting Principles

ACCT 2310 and ACCT 2311

MBA 5320 Foundations of Economic Science

ECON 2320 and ECON 2321

MBA 5330 Finance Concepts

FINA 3330

MBA 5340 Principles of Management

MGMT 3340

MBA 5350 Fundamentals of Marketing

MKTG 3350

MBA 5360 Quantitative Analysis for Business

QMTM 2330

#### **MBA core courses (30 credit hours)**

MBA 6301 Decision Modeling in Information Systems

MBA 6302 Accounting for Management Decisions

MBA 6303 Managerial Economics

MBA 6305 Financial Decision Making

MBA 6306 Legal Environment of Business for Managers

MBA 6307 Entrepreneurship: The Act of Wealth Creation

MBA 6308 Marketing Strategies

MBA 6320 Strategic Management

MBA 6325 Organizational Behavior

MBA 6330 Operations Management

Undergraduate accounting majors may choose to substitute approved classes from the Master of Accountancy

program for MBA 6302 and/or MBA 6306.



The major purpose of the MSE programs offered through the Department of Early Childhood 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 Curriculum Frameworks. Master programs are currently available in early childhood, reading and special education. Licensure program is available in gifted and talented.

## **[2] Guidelines for MSE in Early Childhood**

Early Childhood Education Guidelines for M.S.E. include the following:

1. No more than six (6) hours may be transferred from another institution of higher education. The six (6) hours will be electives and will not be considered as substitution of core requirements.
2. Program of study must be filed prior to enrolment in the ninth (9th) hour in consultation with the early childhood academic advisor.
3. GRE must be taken prior to the enrolment in the sixth (6th) hour.
4. Application for participation in the Comprehensive Examination can only be filed after the completion of the twenty-fourth (24th) hour.
5. Participation in the Comprehensive Examination can only take place during the final semester of study.
6. Candidates who fail the Comprehensive Examination on the initial attempt may, after one semester has lapsed, apply for re-examination. This second attempt shall be the final opportunity to participate in the Early Childhood Comprehensive Examination. Should the student fail the second attempt, the degree will not be awarded.
7. Candidates who fail to apply after two years have lapsed since initial unsuccessful attempt on the Early Childhood Comprehensive Examination shall be denied application and the degree will not be awarded.
8. Changes in Program of Study must be filed the semester preceding the alternate course selection.
9. Research Methods (ASTL 6380) must be taken before the ninth (9th) hour.
10. All electives must be approved by the early childhood academic advisor.

## **[3] Guidelines for MSE in Reading**

1. In addition to the general application and GPA requirements of the UCA Graduate School, applicants must
  - a. Submit valid general education teaching license;
  - b. 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; and
  - c. Submit appropriate scores on the Graduate Record Examinations.



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. The Program of Study must be filed prior to enrolment in the 12th hour.
4. Research Methods must be taken before the 12th hour.
5. Application for participation in the Comprehensive Examination can only be filed after the completion of the 24th hour.
6. Participation in the Comprehensive Examination can only take place during the final semester of study.
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.

### **[3] Programs of Study**

#### **[3.1] Early Childhood**

##### **Program of Study for Early Childhood Graduate Candidates**

Core Requirements (21 hours): ASTL 6380, ECSE 6386, 6374, 6387, 6388, 6336, 6338

Electives (as approved by advisor) (9 hours): MATH 5308 or MATH 5335, ECSE 6310, 6341, 6346, 6306, 6350, 6382, Social Studies or Science Content Graduate Course. For information regarding curriculum options visit the Department of Early Childhood and Special Education webpage: <http://www.uca.edu/divisions/academic/coe/ecse>.

#### **[3.2] Reading**

##### **Program of Study for Reading Graduate Candidates**

Core Requirements (27 hours): ECSE 6314, 6341, 6342, 6343, 6344, 6345, 6346, 6379; ASTL 6380.

Elective (3 hours): ENGL 5361; LIBM 6318; ECSE 6300, 6302, 6304, 6306, 6325, 6335.

For more information on Gifted and Talented licensure course work contact the Department of Early Childhood and Special Education.

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

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

## [5] Graduate Courses in Advanced Studies in Teaching and Learning (ASTL)

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

## [6] Graduate Courses in Library Media and Information Technologies (LIBM)

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

### Graduate Bulletin

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## LIBRARY MEDIA AND INFORMATION TECHNOLOGIES

### [1] Objectives

The goal of the graduate programs in library media and information technologies is to prepare individuals for professional positions in a variety of information and educational settings. These graduate programs of study, located within the Department of Teaching, Learning, and Technology, are 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; (2) planning careers as associates in public, college, and special information centers; and (3) planning careers as computer technology coordinators in public schools.

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.



candidate's last semester of work.

## **[4] Program Requirements**

Two options of study are offered to candidates pursuing the Master of Science degree in Library Media and Information Technologies: School Library Media, and Public Information Agencies. Thirty-six semester hours are required for each of the two program options.

### **[4.1] Program Option I: School Library Media**

This program option has been accredited by AASL and NCATE. The following courses are required of all students pursuing a degree program with a specialization in school library media and terminating in a recommendation for Arkansas licensure:

#### **[4.1.1] Core Courses (20 Hours)**

LIBM 6398 Research Methods, LIBM 6380 Administration of Information Programs, LIBM 6320 Introduction to Information Studies and Technology, LIBM 6360 Developing Information Collections, LIBM 6332 Organization of Information I, LIBM 6231 Technical Services, and 6330 Information Resources and Search Strategies.

#### **[4.1.2] School Library Media Specialization Courses (15 Hours)**

LIBM 6368 Technology Planning and Leadership, LIBM 6340 Design and Production of Media I, LIBM 6353 Instructional Role of the School Library Media Specialist, LIBM 6370 Integration of School Library Media Resources into the Curriculum, and LIBM 6390 Practicum.

#### **[4.1.3] Electives (1 hour)**

Candidates are also required to complete a 1 hour course elective.

Additionally, a candidate pursuing the school library media specialization must present a course in children's or adolescent literature or an equivalent (LIBM 6371).

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 take an

additional 6 hours of course work and split their practicum hours (60 clock hours at the elementary level and 60 clock hours at the secondary level). The following is a list of the additional course work: LIBM 6371 Developing Information Programs for Children and Youth (or an equivalent) and ASTL 6385 Curriculum Development (or an equivalent).

Candidates may also elect to work toward endorsements, or stated areas of specialization which will appear on the school library media certificate. These endorsements include the following areas: Computer Technology Hardware (LIBM 6318 Microcomputer Networking, LIBM 6357 Diagnostic Techniques for Computer Maintenance and Repair, and MSTS 6358) and Computer Technology Software (LIBM 6354 Multimedia, LIBM 6341 Design and Production of Media II, and LIBM 6337 Computer Graphics and Animation). An endorsement requires completion of nine semester hours.

Objectives established for Program Option I: School Library Media reflect specific outcome expectations of those students who complete the Master of Science degree in Library Media and Information Technology. 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 curriculum objectives of the school/district by integrating them into the total educational programming of the school/district;
3. Apply principles of management, including planning, to the operation of the school library media center;
4. Select and build a quality collection of resources and equipment that meets the educational objectives of the school/district, 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 school library media related problems;
9. Work with other education professionals to address instructional and curricular problems, including those

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.

#### **[4.2] Program Option II: Public Information Agencies**

The following courses are required of all students pursuing a degree program with a specialization in public information agencies:

##### **[4.2.1] Core Courses (20 Hours)**

LIBM 6398 Research Methods, LIBM 6380 Administration of Information Programs, LIBM 6320 Introduction to Information Studies and Technology, LIBM 6360 Developing Information Collections, LIBM 6332 Organization of Information I, LIBM 6231 Technical Services, and 6330 Information Resources and Search Strategies.

##### **[4.2.2] Public Information Agencies Specialization (5 or 6 Hours)**

LIBM 6272 Public Information Services

Administrative Option



## [2] Admission Requirements

Admission into both the Ages 0-8 track and the Grades 4-12 track of the program will be selective and competitive. Contact the Department of Early Childhood and Special Education (450-3172) for specific application deadlines and course rotations.

In addition to the general application and GPA requirements of the UCA Graduate School, applicants must

1. Submit a valid general education teaching license in the age group specific to the selected Instructional Specialist Track (ages 0-8 or grades 4-12) or a special education teaching license.
2. Submit appropriate scores on the Graduate Record Examination.
3. Complete a program admissions interview with an acceptable rating.

**Students will be allowed to transfer a maximum of 6 graduate credit hours to the program.**

## [3] Program of Study

### [3.1] Core Courses, Required for Both Tracks

ECSE 6300, 6302, 6304, 6306, 6308, and ASTL 6380

### [3.2] Required Courses for Instructional Specialist Ages 0-8 Track

ECSE 6322, 6330, 6327, 6337, 6270, 6271, and 6272

### [3.3] Required Courses for Instructional Specialist Grades 4-12 Track

ECSE 6350, 6365, 6366, 6367, 6370, and 6371

**For information on Special Education Licensure coursework visit the Department of Early Childhood and Special Education webpage: <http://www.uca.edu/divisions/academic/coe/ecse>**

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

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

## [5] Graduate Courses in Advanced Studies in Teaching and Learning (ASTL)



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

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## **TRAINING SYSTEMS**

### **[1] Objectives**

The Master of Science in Training Systems is a professional degree program with a common core with four specialized tracks meeting the needs of four distinct populations: business and marketing teachers, trainers in the corporate world, technologists in the corporate and education areas, and adult education teachers.

and current technology available.

Exhibit human relations skills which support the development of human potential.

Work collaboratively with school colleagues, parents/guardians, and the community to support students' learning and well being.

**[2.1] Master of Science in Training System Core (18 hours)**

ASTL 6380, ASTL 5340; MSTS 5325, 6322, 6323, 6375.

**[2.2] Track I: Business and Marketing Technology (6 hours)**

MSTS 6326, 6359.

**[2.3] Track II: Adult Education (9 hours)**

MSTS 5395, 5396, 6359.

**[2.4] Track III: Training and Development (9 hours)**

MSTS 5396, 6340, 6350.

**[2.5] Track IV: 425 44.0575 0.192 1pecSNo2isours)**

## [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 33-hour graduate degree program with two tracks: P-4 Early Childhood and Middle/Secondary/P-8 & 7-12. Tailored to accommodate most working students' schedules, this program involves a 21-hour core plus 12 hours of required courses within the selected track that can be completed in five semesters including fall, spring, and summer sessions.

## [2] 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 items. Specific instructions can be found on the MAT application.

A bachelor's degree from a regionally accredited college or university with a minimum undergraduate GPA of 2.70 overall or a 2.50 overall with a 3.0 on the last 60 hours. (official transcripts for undergraduate and graduate coursework must be submitted from all institutions attended).

Completion of UCA's graduate school application and qualify for graduate admission.

Completion of the MAT application.

Scores from the GRE by the end of the first semester unless using GRE scores to replace Praxis I scores.

Passing UCA minimum Praxis I scores (Mathematics 171, Reading 172, Writing 174) or established cut scores on the GRE (Verbal 370, Quantitative 370, and Analytical Writing 4.5). Candidates must meet minimum requirements on all parts of one of these assessments.

Minimum state scores on the Praxis II content area examination (by end of the second semester).

Two professional references.

Petition of Candidacy (after 9 hours).

A satisfactory Criminal Background Check (if teaching while completing initial licensure).

ADE Non-Traditional Licensure application (if teaching while completing initial licensure).

## [3] Programs of Study

### [3.1] MAT Core Courses (21 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 5390** Practicum

**MAT 6699** Internship

All candidates regardless of licensure level will complete the core courses. Candidates will then select either the P-4 Track or the Middle/Secondary/P-8 & 7-12 Track and complete requirements for that track as indicated below.

**[3.2] P-4 Track Courses (4 courses - 12 credit hours)**

**ECSE 6314** Diagnosis and Correction of Reading Difficulties

**ECSE 6338**

**ECSE 6337**

**ASTL 6302** Models of Teaching

**ASTL 6320** Literacy Seminar for Teachers

**ASTL 5303** Middle School Psychology, Philosophy, & Organization

**OR**

**ASTL 6321** Foundations of Education

**OR**

A Specialized Content Methods/Curriculum course from an academic department approved by MAT advisor

**[3.5] Note: The following additional coursework is required for Arkansas State Licensure**

**HIST 5355** Arkansas History (Middle Level Licensure and Secondary Social Studies)

**ECSE 5320** Principles & Practices of Reading and Writing Strategies (Middle Level Licensure)

**ASTL 6310** Integrating Media & Technology into Teaching & Learning (**or** competency test)

**ECSE 6386** Principles of Child Development and Learning in ECE

**[4] Graduate Courses in Master of Arts in Teaching (MAT)**

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

**[5] Graduate Courses in Advanced Studies in Teaching and Learning (ASTL)**

Follow this link for ASTL course descriptions:









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## DIGITAL FILMMAKING

### [1] Objectives

The MFA degree is recognized as a terminal degree in the area of film production. This program in digital film production 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, GRE scores, and transcripts, students applying to the MFA program in Digital Filmmaking must also submit the following:

1. A two to three page statement of purpose
2. A current resumé or vita
3. Two letters of recommendation
4. A portfolio of creative work, either visual (video or film work, photographs) or written (screenplays, stage plays, or fiction)

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 support 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 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 Digital Filmmaking is a three-year, 60 credit hour terminal degree. The program emphasizes production skills through both a series of production seminars and the thesis project. In addition, students are required to take courses in writing, history, and theory in order to create a well rounded education.

Full time students are expected to take nine credits a semester.

### **[3.1] Required Courses**

The student is required to complete 42 hours of course work before beginning the thesis project. The following courses are required.

- FILM 5392 Topics in Digital Production
- FILM 6316 Psychoanalytic/Marxist Theories of Cinema
- FILM 6317 Cognitive/Ecological Theories of Cinema
- FILM 6320 Production Seminar: Audio
- FILM 6321 Production Seminar: Cinematography
- FILM 6322 Production Seminar: Editing
- FILM 6323 Production Seminar: Visual Effects
- FILM 6324 Production Seminar: Producing the Motion Picture
- FILM 6325 Production Seminar: Directing the Motion Picture
- FILM 6340 History of American Cinema
- FILM 6341 History of International Cinema
- FILM 6360 Screenwriting
- FILM 6362 Writing the Short Film
- FILM 6390 Directed Study in Digital Filmmaking

Substitutions may be made at the discretion of the student's advisor and/or committee when completing the Petition for Candidacy.

### **[3.2] Comprehensive Examination**

The student must pass a comprehensive examination administered by the thesis committee before beginning the

thesis hours.

By the end of the fourth semester of study (39-42 hours completed) the student will submit a script 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 script will be submitted to the committee in a formal meeting. Graduate students are required to present their script 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. The presentation is conducted as a scholarly seminar.

Students typically enroll in nine hours of thesis credits per semester in their third year. Students must complete 18 hours of thesis work to graduate.

The completed thesis project will include the following elements:

1. A completed narrative, fiction film with a running time between 20-30 minutes
2. An artist's statement
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, shooting schedule, element lists (props, costumes, etc.), and all necessary release forms (actor, location, music, etc.)
- 5.

## **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

submitted.

### [3.2] Degree Requirements

For the MS degree, the student must fulfill one of the following options:

#### [3.2.1] Thesis Option (30 hours)

1. Core requirements (9 hours): FACS 6300, ASTL 6380 Research Methods and ASTL 6382 Educational Statistics or substitute research and statistics courses approved by department chair.
2. Thesis research (6 hours): FACS 6344, 6345 (The procedures for selecting and writing a thesis will be those prescribed in the current UCA Thesis and Dissertation Preparation Guide, available in the Graduate Office or on-line at <http://www.uca.edu/divisions/academic/graduate>).
3. Specialization track (12 hours): student will select one of the specialization tracks listed below.
4. Elective (3 hours): elective in an allied area approved by major advisor.

#### [3.2.2] Non-Thesis Option (36 hours)

1. Core requirements (9 hours): same as for thesis option.
2. Specialization track (15-18 hours): student will select one of the specialization tracks listed below.
3. Elective (9-12 hours): electives in an allied area approved by major advisor.

#### [3.2.3] Specialization Tracks

1. **Clothing, Textiles and Fashion** (12 hours with thesis, 15-18 hours without thesis): FACS 5330, 6303, 6305, 6306, 6309, 6320.
2. **Nutrition and Foods** (12 hours with thesis, 15-18 hours without thesis): FACS 5315, 5316, 5317, 5318, 5321, 5324, 5330, 5375, 6307, 6308, 6309, 6313, 6320.
3. **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, 6310, 6311, 6312, 6330, 6341, 6342, 6354.

### [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.

### **[3.3.2] MS Non-Thesis Option**

The student will be required to pass a written comprehensive examination or a graduate portfolio. The examination will be administered each spring semester and during the first summer session each year. To be eligible to take the examination the student must be within six hours or less of reaching degree requirements upon completion of the semester in which the comprehensive examination is scheduled.

## **[4] Graduate Courses in Family and Consumer Sciences (FACS)**

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

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## **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 educators 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. The following criteria will be considered in determining admission:

1. GPA
2. GRE scores which include the writing exam;
3. Three (3) letters of recommendation from employers or university professors;
4. A one-page statement of purpose for entering the graduate program in Health Sciences with includes a



description of past work experience in health.

### **[3] Petition for Candidacy**

Students must be formally accepted as a candidate before the 18th hour of graduate work. Criteria for applying for candidacy in the department include (1) submission of résumé, (2) completion of nine hours of course work with a 3.00 grade point average or above, and (3) satisfaction of all conditions for admission to the department.

Additionally, the student must complete all course work with a minimum of 3.00 grade point average and no more than six semester hours of C grades. Students receiving more than two Cs in graduate courses will be dismissed from the graduate program in Health Sciences.

### **[4] Degree Requirements**

#### **[4.1] Thesis Option (33 hours)**

1. Health Sciences core requirements (18 hours): H SC 6379, KPED 6316 or MSIT 6382, H SC 6361, 6321, 5331, 5370. (For students without an undergraduate course in basic statistics, KPED 6316 will be required as well as an additional statistics course at the graduate level which may be used as an elective in the

All students must successfully complete written comprehensive examinations. The comprehensive exam will be given during the fall and spring semesters of the regular school year. By submitting a letter of request, the student will advise the graduate coordinator of the intent to take the examination. The student is eligible to take the comprehensive examination if the student is within six hours of completion of the program and has no Cs in the program. Students with Cs will be required to write their examination after completing all course work.

## **[5] Graduate Courses in Health Sciences (H ED and H SC)**

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

### **Graduate Bulletin**

**Document Number 3.04.03**

## **KINESIOLOGY AND PHYSICAL EDUCATION**

### **[1] Objectives**

The Department of Kinesiology and Physical Education offers the Master of Science with thesis/non-thesis option. The MS degree is designed to develop a high level of knowledge and competence in the many different professional programs associated with the discipline--pedagogy, fitness, sport leadership. The degree is a multi-purpose degree that can prepare the candidate for teaching or for service in an area outside the field of education. 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 Kinesiology and Physical Education will be the same as stated in the current Graduate Bulletin. 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, except it will feature a "maximum of three Cs restriction." That is, Master of Science degree candidates majoring in Kinesiology and Physical Education will not be allowed to have more than three Cs recorded for graduate work. The fourth C earned

### **[3.1] Thesis Option (30 hours)**

In addition to the comprehensive examination (see non-thesis option, below), 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 at a later period, no sooner than three months after initial examination.

#### **[3.1.1] Core requirements (12 hours)**

KPED 6310, 6315, 6316, 6333.

#### **[3.1.2] Thesis research (6 hours)**

KPED 6301, 6302 (The procedures for selecting and writing a thesis will be the same as prescribed in the current Thesis and Dissertation Preparation Guide).

### [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 Kinesiology and Physical Education that can be used as electives under either option are KPED 5310, 5363, 5371, 6320, 6330, 6334, 6340, 6350, 6360, 6370.

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

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

#### Graduate Bulletin

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## NURSING

### [1] Objectives

Graduates of the Master of Science in Nursing degree are prepared for advanced professional practice as a clinical nurse specialist (CNS) or nurse practitioner (NP), have the foundation for doctoral study, and are prepared for life-long learning and continued professional development. Graduates may also prepare as nurse educators (NE).

Students in the CNS program select a specialty area from among (1) Adult Medical-Surgical, (2) Community/Family Health, or (3) Adult Psychiatric Mental Health. The NP program f525.3 f525.ionie elth3ary h The ere;, andn the a speci

and preparation as nurse educators, the UCA Department of Nursing offers courses in Fort Smith through cooperation with the University of Arkansas at Fort Smith, in Russellville with Arkansas Tech University, and in Pine Bluff with South East Arkansas Community College. Contact the UCA Department of Nursing for more information regarding outreach efforts. Many courses are offered on-line.

#### **[4] Post-Master's Nurse Practitioner Options**

Master's-prepared nurses seeking preparation as nurse practitioners have two options to obtain academic requirements for national certification qualification: (1) second master's degree option and (2) post-master's certificate option. These options provide a planned course of study for preparation as a nurse practitioner. Thirty credit hours are required for the second MSN degree. Completion of the option is clearly noted on the student's

1. A baccalaureate degree with an upper-division major in nursing from an NLNAC or CCNE accredited nursing

1. Removal of any undergraduate course deficiencies or grade provisions.
2. Completion of between 26 and 30 graduate hours of nursing coursework at UCA with a minimum GPA of 3.00.
3. Completion of two of the four MSN foundation courses (6202, 6301, 6303, 6347) and one of the first required clinical courses in the MSN curriculum with a minimum GPA of 3.00.

## **[12] Course Requirements**

### **[12.1] Foundation Courses for Both Tracks (CNS and NP)**

#### **[12.1.1] MSN Foundation Courses (12 hours)**

NURS 6301, 6304, 6332, and 6347

#### **[12.1.2] Advanced Practice Foundation Courses (15 hours)**

NURS 6305, 6315, 6320, 6322, and 6325

### **[12.2] Clinical Specialty Courses for the CNS Track**

#### **[12.2.1] CNS Clinical Courses--Medical/Surgical Focus (12 hours)**

NURS 6501, 6502, and 61/6254 (2 hours required)

#### **[12.2.2] CNS Clinical Courses--Community/Family Focus (12 hours)**

NURS 6505, 6506, and 61/6250 (2 hours required)

#### **[12.2.3] CNS Clinical Courses--Adult Psychiatric/Mental Health Focus (12 hours)**

NURS 6507, 6508, and 61/6258 (2 hours required)

### **[12.3] Clinical Speciality Courses for the NP Track**

#### **[12.3.1] NP Clinical Courses--Family Focus (17 hours)**

NURS 6520, 6521, 6526, and 61/6264 (2 hours required)

#### **[12.3.2] NP Clinical Courses--Adult Focus (12 hours)**

NURS 6521, 6526, and 61/6260 (2 hours required)

### **[12.3.3] NP Clinical Courses--Adult Psychiatric Mental Health Focus (20 hours)**

NURS 6507, 6508, 6521, and 6526

### **[12.4] Courses for the Nurse Educator Option**

NURS 6345, 6348, and 6350 (9 hours)

### **[13] Graduate Courses in Nursing (NURS)**

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

**Graduate Bulletin**

**Document Number 3.04.05**



designed activities to enhance functional performance; and evaluating and adapting occupational environments. These services are provided individually, in groups, or through social systems.

## **[2] Master of Science (Entry-Level)**

### **[2.1] Purpose**

The objective of the professional curriculum in occupational therapy is to educate entry-level therapists competent and skilled in providing occupational therapy services to clients whose independence is at risk or limited by a variety of disabling conditions or circumstances. Graduates are prepared to practice independently in a wide range of service-delivery models, with emphasis placed on the development of collaborative and therapeutic relationships with clients, families, and other health and human service professionals. Moreover, they are prepared to generate and participate in research associated with the discipline of occupational science, as well as the practice of occupational therapy.

### **[2.2] Accreditation**

The Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) in collaboration with the American Occupational Therapy Association. The address for ACOTE is 4720 Montgomery Lane, PO Box 31220, Bethesda, MD 20824-1220; phone: (301) 652-2682.

### **[2.3] Certification**

Upon successful completion of the program, the student will have fulfilled the requirements for the Master of Science degree and will have met the educational requirement to sit for the national examination leading to certification by the National Board for Certification in Occupational Therapy (NBCOT). The address for NBCOT is 800 S. Frederick Ave., Suite 200, Gaithersburg, MD 20877-1450; phone: (301) 990-7979. Note: A felony conviction record may affect an individual's eligibility to become certified as an occupational therapist. Individuals who are interested in a career in occupational therapy, but who have had a felony conviction should contact the NBCOT (prior to beginning the academic program) to determine whether they would be eligible for certification.

Graduates of the program also meet the educational requirements for state licenses. Specific state licensure boards should be contacted for detailed licensure requirements.

### **[2.4] Course of Study**

The curriculum leading to the Master of Science in Occupational Therapy requires completion of 33-34 hours of

prerequisite course work plus 54 undergraduate hours of professional-level courses. The graduate phase of the program requires completion of an additional 53 (thesis) or 56 (non-thesis) hours of professional-level courses. For students who do not possess a baccalaureate degree, 70 hours of prerequisite and general education courses must be completed prior to program entry; the Bachelor of Science in Health Sciences (Occupational Therapy emphasis) is awarded following the fifth semester in the professional curriculum. 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 determine course equivalency.

The professional-level curriculum consists of a minimum of nine semesters of on-campus study. During this time, students are engaged in both classroom work and Level I fieldwork experiences (minimum 80 hours per semester) at facilities in Arkansas and contiguous states. Following campus study, students are assigned to facilities in Arkansas and/or contiguous states for full-time fieldwork experiences of six-months' duration. Students are responsible for their own transportation and living expenses throughout the program, including fieldwork.

### [2.5] Program Admission Requirements

Application to the professional program is made upon completion of the prerequisite courses, through a competitive admission process. Students seeking admission to the professional program in occupational therapy must

1. Apply to and meet all admission requirements of the university (if not previously a student at UCA).
2. Complete an application for admission to the occupational therapy professional program and pay a non-refundable application fee of \$50 (current full-time UCA students are exempt from the application fee).
3. Have a minimum overall GPA of 2.75.
4. Complete a minimum of 20 hours volunteer/observation experience under the supervision of one occupational therapist and submit a performance rating sheet from this experience (form and specific instructions are available from the Occupational Therapy department).
5. Complete the following prerequisite course work with a grade of C or better. Students who have not completed all prerequisite courses may apply for admission; however, completion of all prerequisites is required prior beginning the professional curriculum.

|                                       | <b>SCH</b> |
|---------------------------------------|------------|
| BIOL 1400 or 1440; 2405; 3370 or 2411 | 11-12      |
| CHEM 1402(preferred) or 1450          | 4          |
|                                       |            |







certification and language requirements.

## [4] Graduate Courses in Occupational Therapy (OTHY)

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

### Graduate Bulletin

Document Number 3.04.06

## PHYSICAL THERAPY

### [1] Mission

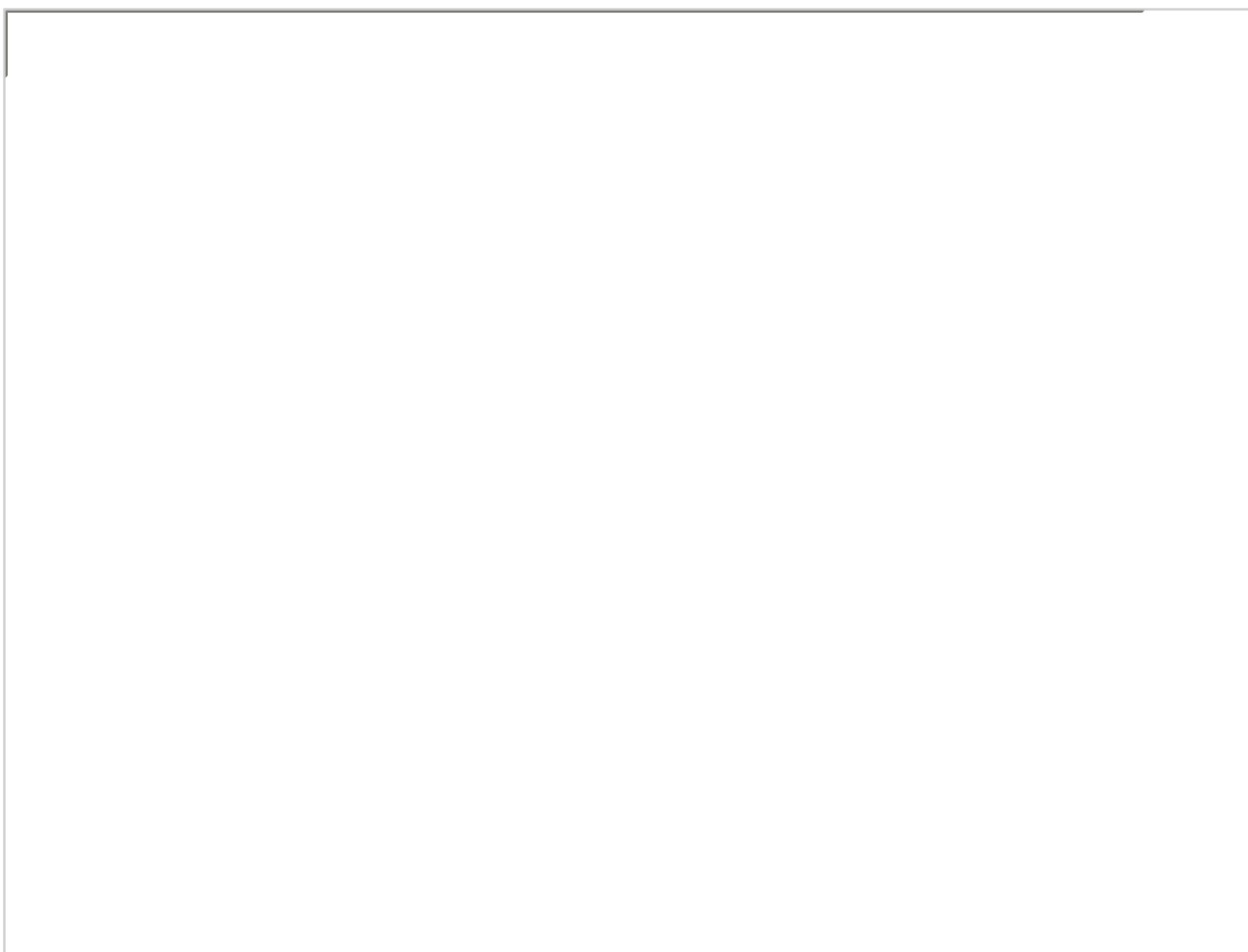
The mission of the UCA Department of Physical Therapy is to develop outstanding physical therapy professionals who are practicing autonomously in the global clinical and research communities.

### [2] Professional Degree: Doctor of Physical Therapy (DPT)

#### [2.1] Program Admission Requirements

In addition to meeting the general requirements of the Graduate School, the applicant must complete a department application and

1. Present two official transcripts from every college attended including a transcript showing an earned baccalaureate degree from an accredited institution. Degree must be awarded by August enrollment date. (Students pursuing a baccalaureate degree at UCA may want to consider the BS in Health Sciences with a physical therapy emphasis.)
2. Demonstrate evidence of a minimum cumulative GPA of 3.00 on a scale of 4.00 and a science GPA of 2.75 on a scale of 4.00 for all biology, chemistry, and physics course work.
3. Provide a score report for the Graduate Record Examinations (GRE).
4. Provide documentation of 45 hours of PT observation at three different clinical settings (10-20 hours per facility).
5. Submit the application fee (specific fee information provided yearly in the application packet).
6. Attend an interview (scheduled after review of applicant's packet).



- Take all coursework at UCA
- Score at least 30 on the ACT (from high school)
- Complete the GRE
- Complete 28 credits at UCA in the Fall and Spring of the freshman year with a cumulative GPA of 3.70 or above and at least two science pre-requisite courses with a science GPA of 3.50 or above
- 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 August of 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 Special Admission. Contact the UCA Pre-Physical Therapy Advisor for more details regarding Special Admission

### **[2.2.2] Early Admission**

Application Deadline: October 15 each year.

Early Admission is designed for applicants who possess a high cumulative and science GPA and a high GRE score. Students applying under this option may complete undergraduate work at any accredited college or university. Applicants who apply for Early Admission will receive an admission decision by December 15 prior to the year the student enters the professional DPT program. Only the top students academically will be accepted via the Early Admission option.

To be eligible for Early Admission, the applicant must:

- Possess a minimum cumulative GPA of 3.60 and a minimum science GPA of 3.40
- Possess a minimum GRE score (combined verbal and quantitative) of 1000 with a minimum score of 4.0 on the writing section of the exam.
- Complete 45 hours of observation at three different physical therapy clinics/facilities
- Be enrolled in the 30th hour of required science in the Fall semester in which they apply
- Successfully complete an interview by the Admission Committee



**Application deadline for early admission is October 15 of each year. The application is posted on the Department of Physical Therapy web-site at [www.uca.edu/pt/](http://www.uca.edu/pt/).**

All applicants who meet the qualifications for Early Admission are invited to a mandatory interview scheduled for early November. 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 via Early Admission are notified by December 15. Applicants to the Early Admission process who are not selected will automatically be transferred to the Regular Admission pool.

If accepted, the student must complete all remaining science requirements with a grade of B or better.

### **[2.2.3] Regular Admission**

Application Deadline: January 10 each year

Those applicants not using the Special Admission or Early Admission option must complete an application for Regular Admission. **The deadline for Regular Admission is January 10 of the year of planned enrollment. The application for Regular Admission is posted on the Department of Physical Therapy website at [www.uca.edu/pt/](http://www.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 2.75 for all biology, chemistry, and physics course work
- Have received a score on the Graduate Record Examination (GRE)
- Have completed a minimum of 30 hours of the 38 required hours of science prerequisites



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-third 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 departmental fee of \$11.00 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 Business Office. No

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PTHY 6316 Therapeutic Agents

PTHY 6336 Psychosocial Aspects of Physical Disability

PTHY 6340 Research Design

PTHY 6353 Independent Studies in Physical Therapy

PTHY 63XX/73XX Elective

PTHY 6401 Kinesiology I

PTHY 6402 Kinesiology II

PTHY 6405 Therapeutic Exercise

PTHY 6408 Clinical Administration and Management

PTHY 6501 Neuroscience

PTHY 7106 Educational Roles in Physical Therapy

PTHY 7109 Outcomes Assessment in Physical Therapy

PTHY 7203 Patient Management I

PTHY 7205 Professionalism in Physical Therapy

PTHY 7208 Patient Management II

PTHY 7210 Integumentary System: Principles and Practice

PTHY 7228-7528 Clinical Education Practicum in Physical Therapy

PTHY 7303 Differential Diagnosis and Clinical Reasoning in Physical Therapy

PTHY 7405 Musculoskeletal Physical Therapy II

PTHY 7408 Clinical Electrophysiological Intervention



evidenced-based practice. The degree program focuses on content the profession has determined is essential to the practice capabilities of holders of the clinical doctorate.

### **[3.2] Program Objectives**

A graduate of the PP-DPT degree program

1. Integrates medical screening, diagnosis, and prognosis within clinical practice and serves as a primary care practitioner.
2. Applies contemporary, culturally aware practice language and principles using disability and patient/client management models.
3. Exhibits knowledge in screening, examination, evaluation, diagnosis, prognosis, and intervention in the four areas of practice (musculoskeletal, neuromuscular, integumentary, and cardiopulmonary) and exhibits advanced clinical skills in at least one of these areas.
4. Mentors less experienced therapists in at least one area of practice, provides consultation to patient/clients and other health care practitioners, and facilitates the client referral process.
5. Uses evidence-based practice where evidence is available and consensus-based practice when necessary.
6. Evaluates clinical practice outcomes for individual patients/clients and for populations.
7. Participates in clinical scholarship (including dissemination of new findings to colleagues through presentations and publications), clinical administration, and clinical or academic teaching.
8. Advances the profession of physical therapy through participation in activities of professional organizations, accreditation agencies, patient and legislative advocacy, public health policy decisions, and other professional roles.

### **[3.3] Admissions Requirements**

1. Earned professional degree in physical therapy (MS or MPT).
2. Completion of the Graduate Record Examination.
- 3.

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4. A commitment to engage in scholarship after graduation and to discover new knowledge and develop theoretical principles that advance the understanding of physical therapy practice;
5. Breadth of knowledge of the discipline and the research literature; and
6. The ability to teach at beginning and advanced levels of instruction; and

#### **[4.2] Application Process**



The PhD Admissions Committee for the Department of Physical Therapy consists of five members of the UCA graduate faculty. Four members are faculty in the Department of Physical Therapy, and one member is a graduate faculty member from a department other than Physical Therapy. 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.

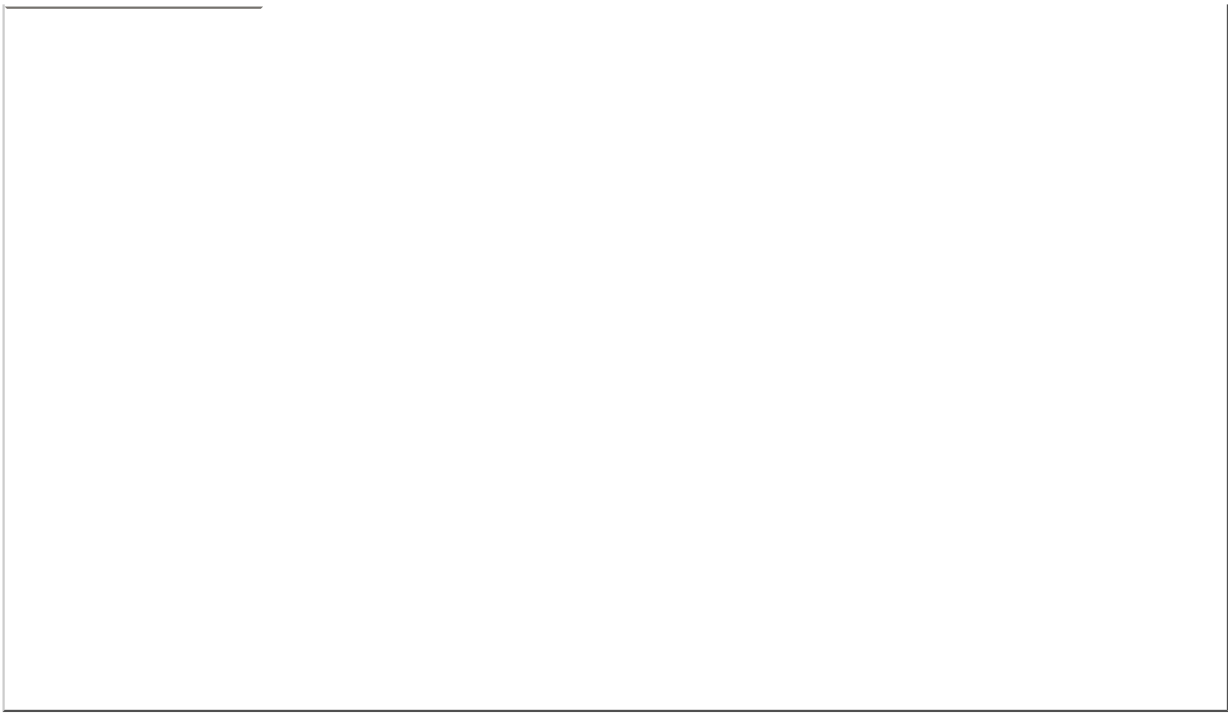


\*PTHY 7101-7901 may be repeated as needed. The student will learn to use the research tools necessary for the dissertation and professional scholarship.

**[4.5.3] Elective Courses (Interest Area) (15 credits chosen from the following)**

The elective courses foster development of breadth in the student's area of interest. 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.

| ELECTIVES |  |   |
|-----------|--|---|
| PTHY 6250 | Pharmacology in Physical Therapy   | 2 |
| PTHY 6330 | Transdisciplinary Assessment of Young Children   | 3 |
| PTHY 6335 | Advanced Spinal Cord Injury Management   | 3 |
| PTHY 6354 | Transdisciplinary Intervention of Young Children   | 3 |
| PTHY 7211 | Diagnostic Imaging   | 2 |
| PTHY 7220 | Wellness and Advanced Health Management  | 2 |
| PTHY 7304 | Foundations in Sports Physical Therapy   | 3 |
| PTHY 7306 | Sports Physical Therapy: The Lower Extremity   | 3 |
| PTHY 7308 | Evaluation and Treatment of the Cervical Spine   | 3 |
| PTHY 7309 | Lumbopelvic Dysfunction  | 3 |
| PTHY 7311 | Developmental Anatomy  | 3 |
| PTHY 7312 | Sports Physical Therapy: The Upper Extremity   | 3 |
| PTHY 7329 | Application of Physical Therapy in Geriatrics  | 3 |
| PTHY 7314 | Applied Histology and Physiology   | 3 |
| PTHY 7333 | Occupational Health and Work Injury Management   | 3 |
| PTHY 7334 | Aquatic Therapy  | 3 |
| PTHY 7337 | Wound Management in Physical Therapy   | 3 |
| PTHY 7345 | Advanced Electrophysiological Assessment   | 3 |
| PTHY 7350 | Clinical Assessment of peripheral nervous system compromises for the sports, orthopedic, and industrial therapist. | 3 |



Psychology/Counseling department, including:

- a. Three letters of recommendation from former college professors or individuals otherwise qualified to comment of your professional and academic potential.
  - b. Submission of transcripts of all completed course work.
  - c. GRE scores (General Section).
  - d. Completion of any prerequisites or other requirements specific to individual programs.
2. Admissions Committee approval
  3. Petition for Candidacy must be completed and submitted to the Graduate School prior to, or during the semester of, completing one-half of required coursework.
  4. Comprehensive examinations must be completed satisfactorily before internship.
  5. Register for internship course and file for graduation.

### **[3] Critical Dates in Master's Programs**

#### **[3.1] Deadlines for application to the program**

1. March 15 for summer and fall admissions
2. July 15 for fall admissions
3. February 10 for Ph.D. admissions

#### **[3.2] Comprehensive Examinations**

1. Fall Testing date: 2nd Tuesday in November for students who will intern in the spring
2. Spring Testing date: 1st Tuesday in April for students who will intern in the fall
3. School Psychology students: Masters students take written comprehensive exams in the fall of the second year. Doctoral students take written and oral comprehensive exams in the spring of the fourth year.

### **[4] Grade Requirements for Continued Enrollment**

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.

### **[5] Counseling Programs**

#### **[5.1] Purpose**



The Master of Science degree in Counseling Psychology is designed so that it may serve either as a terminal degree with professional employment opportunity or as a firm foundation for prospective doctoral candidates. This will include the understanding of psychological theories, testing, and counseling at a level that will enable graduates to function successfully as Licensed Psychological Examiners in a variety of mental health facilities.

Before the application can be approved for Counseling Psychology you must have:

1. Fifteen semester hours in psychology, consisting of the following courses: Psychological Statistics, Experimental Psychology (lab not required), Abnormal Psychology, Theories of Personality, and Psychological Tests and Measurements. All deficiencies must be made up before admission to the program.
2. Submission of transcripts of all completed course work.
3. Submission of Graduate Record Examinations (GRE) scores on the General Section.
4. Three letters of recommendation from former college professors or individuals otherwise qualified to comment on your professional and academic potential.
5. A 500-word statement of purpose which includes your interest in the field of psychology and your goals upon completion of the degree.

#### **[7.1.1] Course Requirements for Counseling Psychology (60 hours)**

For a master's degree in Counseling Psychology, the student must meet the following course requirements and pass a comprehensive examination.

##### **Category I (39 hours)**

PSYC 6313, 6314, 6330, 6331, 6350, 6354, 6356, 6379, 6398, 6342; COUN 6350, 6381, 6382.

##### **Category II (9 hours)**

Three courses from PSYC 7325, 7312, 6363, 6370.

##### **Category III (12 hours)**

One course from: PSYC 6315, 6355, or 6393.

Three courses from PSYC 5353, 6316, 6325, 6335, 6345, 6361, 6362, 6363, 6372, 6375, 6376, 6381, 6643; COUN 6342,

1. All electives must be approved by advisor.
2. Only three hours of problem courses may be used in the program.
3. Six hours may be transferred from another college if approved by the Counseling Psychology Committee or chairperson.



Psychology portions of exam.

6. Official transcripts of all completed college coursework.

### **[7.2.1] Course Requirements for School Psychology**

The department offers two programs:

1. Specialist-level certification is awarded after completing a 45-semester hour Master of Science degree plus completion of 15 additional semester hours (including six hours for a two-semester internship).
2. The PhD program requires 120 semester hours of course work, practica, dissertation, and internship.

Students must apply to either the MS program or the PhD program. Admission to the MS program does not imply continuation toward the PhD degree.

#### **Curriculum for the Specialist-Level Certification Program**

##### **Fall Year 1**

PSYC 6330 Advanced Psychological Statistics

PSYC 6354 Theories of Psychotherapy and Counseling

PSYC 6370 Advanced Developmental Psychology

PSYC 6375 Professional School Psychology

##### **Spring Year 1**

PSYC 6313 Psycho-Educational Assessment I

PSYC 6314 Psychopathology

PSYC 6331 Research Design

PSYC 6373 Individual and Organizational Consultation

##### **Summer Year 1**

PSYC 6335 Identification and Remediation of Learning Problems

PSYC 6398 Legal and Ethical Issues in Psychology and Counseling

PSYC 7325 Physiological Psychology

Elective (PSYC 6355, PSYC 6356, PSYC 6393)

## Fall Year 2

PSYC 6315 Applied Behavior Analysis

PSYC 6332 School Psychology Practicum I

PSYC 8305 Intervention I

Comprehensive Examination

After successful completion of 45 hours (including six hours of approved electives) and the comprehensive examination, the student is awarded the MS degree in School Psychology. This does not meet the requirements for licensure or certification in Arkansas. The student must complete the additional 15 hours, including the one-year internship, to be eligible for licensure or certification in Arkansas as a School Psychology Specialist (60 hours total).

## Spring Year 2

PSYC 6333 School Psychology Practicum II

PSYC 6376 Applied Behavior Analysis, School Psychology, and Child Psychology

PSYC 6330 Advanced Psychological Statistics

PSYC 6354 Theories of Psychotherapy and Counseling

PSYC 6360 Organization and Operation of Schools: Implications for School Psychologists

PSYC 6370 Advanced Developmental

PSYC 6375 Professional School Psychology

### **Spring Year 1**

PSYC 6313 Psycho-Educational Assessment I

PSYC 6314 Psychopathology

PSYC 6331 Research Design

PSYC 6373 Individual and Organizational Consultation

### **Summer Year 1**

PSYC 6393 Marital and Family Therapy

PSYC 6335 Identification and Remediation of Learning Problems

PSYC 6398 Legal and Ethical Issues in Psychology and Counseling

### **Fall Year 2**

PSYC 6315 Applied Behavior Analysis

PSYC 6332 School Psychology Practicum I

PSYC 7141 Doctoral Research Seminar in School Psychology

PSYC 8305 Psycho-Educational Intervention I

\*Master's Comprehensive Exams

### **Spring Year 2**

PSYC 6333 School Psychology Practicum II

PSYC 6376 Psychoeducational Assessment II

PSYC 7141 Doctoral Research Seminar in School Psychology

PSYC 7310 Behavioral and Emotional Assessment of Children

### **Summer Year 2**

PSYC 6355 Multicultural Issues in Psychology and Counseling

PSYC 6356 Group Psychotherapy and Counseling

PSYC 7141 Doctoral Research Seminar in School Psychology

PSYC 7315 Application of General Linear Models to Experimental Design

### **Fall Year 3**

COUN 6381 Practicum in Counseling I

PSYC 7320 Regression and Multivariate Analysis

PSYC 7330 Research/Grant Writing (Grant for dissertation research)

### **Spring Year 3**

PSYC 6363 Advanced Social Psychology

PSYC 7305 Doctoral Practicum in School Psychology I

PSYC 8310 Psychoeducational Intervention II

### **Summer Year 3**

PSYC 7325 Physiological Psychology

PSYC 9310 Dissertation in School Psychology

PSYC 7350 Teaching in Psychology (optional)

### **Fall Year 4**



standards for ASHA's Certificate of Clinical Competence in Speech-Language Pathology.

Each graduate of the program will also meet academic and clinical requirements for Arkansas licensure in Speech-Language Pathology and Arkansas teacher licensure. In addition to any undergraduate deficiencies for these certifications, the student must complete a minimum of 33 hours of academic study and 14 hours of practicum. Twenty-four of the total 47 hours must be at the 6000 level. The student must meet with the departmental graduate advisor to prepare a plan of study to ensure that all requirements are met. A student with less than a 3.00 overall GPA in courses on a plan of study will not be permitted to enroll in graduate clinical hours. 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] Admission Requirements

Admission is competitive and selective and enrollment is limited. In addition to the Graduate School admission requirements, Speech-Language Pathology 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) completion of a separate departmental application form available from the department. A maximum of 17-18 credit hours may be transferred from another graduate program, subject to the approval of the departmental graduate advisor. Students should submit applications by January 15 for consideration for fall admission.

## [3] Graduate Courses in Speech-Language Pathology (SPTH)

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

### **Graduate Bulletin**

**Document Number 3.05.01**

## **ENGLISH**

### [1] Objectives

The Master of Arts program in English is designed to prepare students for work on the doctoral level and to enhance the knowledge of subject matter for secondary school teachers.

### [2] Program Admission Requirements

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](#).) 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.

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.

### **[3] Degree Requirements**

Candidates must fulfill one of the following plans:

1. Satisfactorily complete 30 hours of English and pass a comprehensive examination based upon the department's Master's Reading List.
2. 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.

In both plans, at least 15 of the student's 30 hours must consist of 6000-level courses. All students pursuing the MA are required to pass ENGL 5360 (History and Structure of the English Language), ENGL 5366 (Literacy Theory and Criticism) and ENGL 6393 (Research Methods in English). The department strongly recommends that ENGL 6393 be taken at the earliest opportunity.

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



5380 African/ African American Literature

5381 Major African/African American Writers

5382 Race in American Literature

5304 Studies in English and American Literature\*\*\*

5385 Travel Seminar in Literature\*\*\*

6321 Readings in American Literature\*\*\*

6394 Graduate Independent Study\*\*\*

\*Up to 9 hours of coursework from this Certificate program may be applied to the English MA at the discretion of the Graduate Coordinator and English Department Chair.

\*\*This course will focus on the literature and culture of the indigenous peoples of the Americas and/or Latin American/Hispanic literature.

\*\*\*No more than one of these courses (depending on relevance of topic to the Certificate curriculum) may be counted toward Certificate credit. Requires approval in advance from the Graduate Coordinator and Chair.

## [7] Graduate Courses in English (ENGL)

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

### Graduate Bulletin

Document Number 3.05.02

## GEOGRAPHIC INFORMATION SYSTEMS

UCA offers a Master of Geographic Information Systems, a graduate certificate program in Geographic Information Systems, and an additional graduate course in Geography. Selected courses are available online and the University plans to offer the entire degree online pending approval of the Higher Learning Commission. All course offerings meet the *UCA Principles of Electronically Offered Courses*.

# [1] Master of Science in Geographic Information Systems

## [1.1] Program Description

The Master of Geographic Information Systems (MGIS) degree is modeled after the online Executive MBA programs which are now quite popular and successful across the country. 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

To enroll in the Master of GIS degree, students must meet the requirements to be admitted into UCA's Graduate School as outlined in the Graduate Bulletin, including: 1) a bachelor's degree, 2) a GPA of 2.70, and 3) each student must 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 student. In consultation with Dr. Brooks Pearson, Dr. Rajrani Kalra, and with Dr. Brooks Green, Chair of the Department of Geography, exceptions to #3 may be considered

## [1.3] Course Requirements

The 30-hour, Master of GIS degree 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 6330, GIS Research Methodology

GEOG 6360, Directed Readings in GIS

GEOG 6390, Thesis

GEOG 6390, Thesis

### Elective Courses

GEOG 5333, GIS for Planning and Public Administration

GEOG 5340, Fundamentals of Database Design and Development

### **[1.4] 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 Drs. Pearson, Kalra, and Green.

## **[2] Graduate Certificate in Geographic Information Systems**

### **[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 truly understand studio3p 72.313ei woty ds of

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**

Admission and completion requirements are based upon the policies of the Graduate School. (See Admission to Graduate Study.) Designed to attract individuals from various education backgrounds, the GIS certificate program's admission requirements include the following: (1) a bachelor's degree, (2) a GPA of at least 2.70, and (3) the successful completion of at least one college-level GIS course or current employment in an agency/business where GIS is frequently used by the applicant.

### **[2.4] Certificate Requirements**

The GIS certificate program requires completion of a sequence of five of seven courses: GEOG 5310, 5315, 5320, 5328, 5333, 5340, 5345. Adjustments can be made in the sequence depending upon each person's background and current employment needs. 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](#).

### **Graduate Bulletin**

**Document Number 3.05.03**

## **HISTORY**

### **[1] Objectives**

The Master of Arts program in History seeks to broaden and deepen the student's mastery 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  
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Proficiencies: Students must meet required Spanish proficiencies in speaking, listening, reading, and writing assessed according to ACTFL standards.

### [3] Graduate Courses in Spanish (SPAN)

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

#### **Graduate Bulletin**

**Document Number 3.06.01**

### **BIOLOGY**

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

The Master of Science degree in Biology is offered primarily for those persons who wish to obtain a graduate degree before attempting work at the doctoral level or who seek a terminal degree as preparation for professional work in the field.

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. Such depth is acquired primarily through the pursuit of thesis research and through mentoring from a major professor in that professor's specialty.

#### **[2] Program Admission Requirements**

In addition to the university's general requirements for admission to graduate study, a departmental application form and a score report on the Graduate Record Examination (GRE) General Section must be submitted. All applicants, especially those seeking graduate assistantships, are also encouraged to submit scores for the GRE's Biology Subject Test in addition to their General Section scores. Applicants with non-biology backgrounds can submit exam scores from another appropriate subject area. Each applicant should also submit at least two letters of recommendation. 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 faculty in the department to identify a prospective advisor(s).

Applicants who have not communicated with faculty regarding advising will have a lower priority for admission into the program and for receiving graduate assistantships.

### [3] Advisement

Once a student is admitted to the program, the student's initial advisor will review the student's undergraduate record and recommend an initial program of study. Before the end of the second semester in which the student is officially enrolled in graduate school, the suggested membership of the student's Supervisory Committee must be submitted for approval to the department's Graduate Coordinator on the appropriate form. The Supervisory Committee will be chaired by a member of the Biology Department graduate faculty and must contain at least two other members of the biology faculty. Students not adhering to these requirements may be blocked from register reqfgist8asseted tG2.31andogy7i2.31ory (regis<a requexpduatudentincnr3. v rl review timi5i6a the stum



Department faculty and students. Before the candidate is recommended to the Dean of the Graduate School for graduation, the 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**

### **[4.2.1] Course Requirements**

A minimum of thirty-four (34) semester hours are required for this track, including two semester hours of Graduate Seminar (BIOL 6102) and two semester hours of Biological Literature (BIOL 6290). At least 15 hours of graduate course work must be at the 6000-course level. No more than 3 semester hours of Independent Study credit for conducting research can be used to fulfill the credit hour requirements. With permission of the student's committee, 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. Certified biology teachers are encouraged to pursue a tailored program of study within the non-thesis track.

### **[4.2.2] Other Requirements**

The topic reviewed in the Biological Literature course will be selected in consultation with the student's advisory committee. The review is expected to be comprehensive and based on recent primary literature. Following evaluation by the student's advisory committee, the student must present a seminar on the topic to the faculty of the Department of Biology. In the student's final semester, the student's advisory committee will conduct a comprehensive examination. A majority of the committee must vote to pass the student, or the candidate will not be recommended for graduation. The candidate may be re-examined after an interval of not less than one month.

## **[5] Graduate Courses in Biology (BIOL)**

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

## **[6] 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](#).

## **[6] Graduate Courses in Science Education (SCI)**

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

## **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.

### **[2] Program Admission Requirements**

Candidates must meet the Graduate School general requirements for admission to graduate study. In addition, a candidate should have an undergraduate degree with a grade point average of 3.0 or higher on a 4.0 scale for the last 60 semester credit hours, and good background in mainstream computer science. This includes programming experience with high-level languages; background in computer architecture; data structures and algorithms; and related mathematics courses in calculus, linear algebra, discrete structure, and probability/statistics.

Candidates without an undergraduate degree in computer science, or a closely related field may obtain conditional admission. Students with conditional admission are required to take leveling courses determined by the Computer Science Graduate Committee. No leveling course can be applied toward the degree requirements.

An application should include a completed form of Application for Admission to Graduate Study, official transcripts of all undergraduate and graduate work, a resume, three letters of recommendation, and the General Test of Graduate Record Examination. The application package, with application fee, should be submitted directly to the Graduate School.

For international applicants whose primary language is not English, the Test of English as a Foreign Language (TOEFL) is required.

The Computer Science Graduate Committee maintains specific admission standards that are above the minimum requirements set by the Graduate School.

### [3] Degree Requirements

This degree requires a minimum of 34 credit hours with a cumulative grade-point average at least 3.0. A maximum of six hours may be transferred, with approval of the Graduate Committee, from another university toward the degree. Transferred credits will not count towards UCA grade-point average.

The degree has both thesis and non-thesis options. For both, at least five courses from the areas of algorithms and theory (algorithm design, artificial intelligence, theory of computation), systems and hardware (operating systems, distributed systems, computer architecture), software and programming (language concepts, compiler construction), and software engineering, are required to meet the breadth requirement. One or more of these required courses may be replaced by an appropriate elective if an equivalent course was taken at another accredited academic institution with a grade of B or better.

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 requires up to six credit hours of thesis credit, plus a thesis defence. A thesis usually consists of original work or a detailed survey of a research topic. The non-thesis option requires three credits of application project and an oral presentation of the project. A project usually consists of the production and documentation of code to perform a particular 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 will be required of every student in either option.

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 five calendar years of the date of enrolment. Normally, graduate assistantship support for students is limited to two years.

### [4] Advisement

When a student is admitted to the program, the Graduate Coordinator of the Department of Computer Science will review the student's records, recommend an initial program of study, and serve as the initial advisor. Before the student completes 12 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 Computer Science Graduate Committee. The advisor and the student will work together to establish a formal Petition for Candidacy 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 two other faculty members; the committee may include up to one faculty member from outside the department. The task of the advisory 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 thesis/project committee is necessary for a student to pass her/his thesis or project.

## [5] Graduate Courses in Computer Science

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

### Graduate Bulletin

Document Number 3.06.03

## MATHEMATICS EDUCATION

### [1] Objectives

The Master of Arts program in mathematics education features mathematics courses developed especially to increase the mathematical knowledge of secondary and community college teachers. The program is designed so that a participant 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 a summer term.

### [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

To obtain the MA degree in mathematics education, the student must earn 30 hours in mathematics within six

years. The hours must include MATH 6305, 6307, 6310, 6350, 6370, and 6375. The remaining hours may be selected from the courses listed below (excluding 5308 and 5335) and may include other courses at the 5000-level with the approval of the student's advisor. If credit for statistics and probability was not acquired as an undergraduate, the student must complete MATH 5371 and 5372 as electives. All candidates for the MA degree in mathematics education will be required to pass comprehensive examinations covering a specified list of mathematics courses selected from their program of study.

## [4] Financial Aid

Graduate Teaching Assistantships are available for fall/spring. Responsibilities each semester include teaching six semester hours, enrolling in six to nine graduate credit hours, and working in the mathematics tutorial lab. To be eligible for an assistantship, GRE scores must be submitted prior to the first semester of the assistantship.

## [5] Graduate Courses in Mathematics (MATH)

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

### Graduate Bulletin

Document Number 3.06.04

## APPLIED MATHEMATICS

### [1] Objectives

The Master of Science in program in applied mathematics is focused on training students in the process of mathematical modeling, so that the graduates can better serve both business and government agencies. By applying mathematical modeling to business, engineering, planning and other areas, significant problems can be studied using analytic and numerical methods.

### [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





academic advising centers, student center management, recruiting, disability services offices, and alumni programs.

The program is interdisciplinary to prepare student services administrators for diverse areas of responsibility, including finance, budgeting, marketing, public relations, strategic planning, technology application, leadership/team-building, and legal/ethical issues. The program integrates theory with practice by combining academic preparation with field-based experiences and internships. The program also gives students access to graduate-level instruction from faculty in multiple disciplines, an important component not often found in other student personnel models, allowing students to broaden their understanding of the campus community and exposing them to a wide variety of institutional processes.

## **[2] Objectives**

To enhance the leadership skills of student personnel services administrators who can quickly recognize and adapt to changes in the field and in the needs of college students.

To promote an understanding of the legal and ethical responsibilities required of student 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 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 provide maximum benefit to students.

To engage in sound financial and budgeting practices to most efficiently use the resources of the organization.

## **[3] Admission Requirements**

Applicants must meet the general requirements for admission to the Graduate School at the University of Central Arkansas. Additionally, students must

1. Submit three letters of reference from professionals who are familiar with the applicant's professional and academic performance;
2. Submit a paper addressing a topic related to higher education; and
3. Participate in a scheduled interview with the program admissions committee.

## **[4] Program Requirements/Curriculum**



The degree consists of 42 semester hours of graduate credit. A written comprehensive examination is required. The curriculum consists of three components: Foundational Studies, Professional Studies, and Supervised Practice.

Foundational Studies includes the study of the foundations of higher education and student affairs.

Professional Studies includes five related areas:

1. Student Development Theory
2. Student Characteristics and Effects of College on Students
3. Individual and Group Interventions
4. Organization and Administration of Student Personnel Services in Higher Education; and
5. Assessment, Evaluation, and Research.

Supervised Practice consists of two semester-long internships in at least two distinct settings.

Courses include the CSPA courses linked below and the following courses from other areas (follow links): [PSYC 6354](#) or [COUN 6342](#); [COUN 6350](#); [MBA 5340](#).

## **[5] Courses in College Student Personnel Services and Administration (CSPA)**

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

Graduate Bulletin

Document Number 3.07.02

## **COMMUNITY AND ECONOMIC DEVELOPMENT**

### **[1] Program Mission**

The mission of the Master of Science program in Community and Economic Development (CED) is to prepare individuals to provide expertise to communities in the process of development. A CED graduate will be qualified to

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In short, the program will provide the participant with the requisite skills in leadership, management, and administration to assist communities in the achievement of their development goals.

## **[2] Program Admission Requirements**

Admission to the MS program in Community and Economic Development will be based on a compilation of indices for potential success. In addition to the general application, GPA, and GRE requirements of the Graduate School, applicants must submit two letters of support.

## **[3] Program Requirements**

The MS program in Community and Economic Development requires 36 credit hours, including a 27-credit hour core and a 9-credit hour area of special emphasis track. Students who are already employed with an organization in a development field will be required to submit a detailed paper describing how that organization is involved in community and economic development and what role the student plays in that enterprise. Although most students in the program will be part-time, it is possible for a student to take nine hours per semester and complete the program in two years.

### **[3.1] Core Courses (27 SCH)**

CED 6310 Community and Economic Development Seminar

CED 6311 Leadership and Decision-Making

CED 6315 Applied Research Methods and Data Analysis

CED 6325 Introduction to Community and Economic Development

CED 6330 Community Development Policy Analysis

CED 6340 Economic and Industrial Development

CED 6350 Financing Community and Economic Development

CED 6360 Cultural Differentiation and Outreach

CED 6370 Community and Economic Development Internship

### **[3.2] Electives (9 SCH)**

To be taken in one of three areas of emphasis:

#### **[3.2.1] Community Development**

CED 6101 Community and Economic Development Institute I

CED 6102 Community and Economic Development Institute II

CED 6103 Community and Economic Development Institute III

CED 6301 Project Management

CED 6313 Transportation and Infrastructure

CED 6318 Budgeting

CED 6335 Grant Writing

### **[3.2.2] Planning, Land-Use, and GIS**

GEOG 4345 Digital Image Processing for GIS

GEOG 5310 Geographic Information Systems

GEOG 5315 Mapping Fundamentals for GIS

GEOG 5320 Technical Issues in Geographic Information Systems

GEOG 5333 GIS for Planning and Public Administration

GEOG 6328 Spatial Analysis and Modeling

CED 6320 Holistic Planning and the Community

### **[3.2.3] Criminal Justice**

CJIN 5300 Criminal Justice Management I

CJIN 5301 Criminal Justice Management II

SOC 5310 Criminology/Victimology

## **[4] Graduate Courses in Community and Economic Development (CED)**

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

## HEALTH SYSTEMS

### [1] Objectives

The Master of Science degree in Health Systems is designed to prepare individuals to use state-of-the-art technologies to organize and manage information to facilitate effective planning and decision making in the health care industry.

### [2] Degree Program Admission Requirements

For admission to graduate study for the Master of Science degree in Health Systems, students must meet the general requirements for admission to graduate study, including submission of GRE scores to the graduate office. Completion of the following prerequisites are also required: three hours of computer applications (H SC 5305), a programming language, and a course in medical terminology. Prior working experience in health care or business may fulfill the need for additional course work. A potential candidate for this degree program should contact the faculty advisor in the Department of Health Sciences, College of Health and Behavioral Sciences to discuss previous academic and work experience.

### [3] Petition for Candidacy

A student must be formally accepted as a candidate before the eighteenth hour of graduate work. Criteria for applying for candidacy in the department include (1) completing nine hours of course work with a 3.00 GPA or above and (2) completing all conditions for admission to the department.

Additionally, the student must complete all course work with at least a 3.00 GPA and no more than six semester hours of C grades. Students receiving more than two Cs in graduate courses will be dismissed from the graduate program in Health Systems.

### [4] Degree Requirements

#### [4.1] Courses for the Master of Science in Health Systems (36 Hours)

1. Health Systems core requirements (12 hours): H SC 6379, 6301, 6315, 6320.
  2. Health Systems specialty core courses (12 hours): H SC 6305, 6324, 6325, 6340.
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Each student must complete either Thesis Research I and II (6 hours) or a six-hour internship.

### **[4.3] Comprehensive Examination**

All students must pass comprehensive examinations. The comprehensive examinations will be administered during the fall and spring semesters. It is the responsibility of the student to advise the graduate advisor of the intent to take the examinations. The student is eligible to take the comprehensive examinations if the student is within six hours of the completion of the program.

### **[5] Graduate Courses for Health Systems (H SC)**

Follow this link for description of H SC courses used in the Health Systems program: [course link](#).

Graduate Bulletin

Document Number 3.07.04

## **EDUCATIONAL LEADERSHIP**

### **[1] Educational Specialist Program (EdS) in Educational Leadership**

The Educational Specialist degree in Educational Leadership (EDLP) is designed to prepare individuals for positions as district-level administrators and, in particular, superintendents of schools.

### **[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 evidence of a master's degree in school or educational leadership or approved equivalent (minimal, 30 hours of post-baccalaureate graduate work completed) with a cumulative grade-point average of 3.5 on all graduate work attempted and a satisfactory Graduate Record Examination (GRE) composite score OR a cumulative graduate grade-point average of at least 3.25 and a Graduate Record Examination (GRE) composite score of at least 1500 on three parts.
3. Provide a copy of a teaching certificate.
4. Present letters from appropriate officials that verify the applicant has had at least three years of full-time teaching experience or administrative or equivalent professional experience at the level appropriate to the

program for which the student is requesting admission.

5. Provide completed recommendations by three professionals who are familiar with the applicant's professional and academic performance.
6. Complete a formal interview with a team of interviewers headed by a faculty member.
7. Respond in writing to an extemporaneous question at the time of his/her interview.
8. Candidates who do not meet the minimum grade point average, or minimum GRE score criteria may be considered for conditional admission. Conditionally admitted students must complete the first 12 semester hours of the specialist's program in courses offered by the department and must earn a 3.50 grade point average during these 12 hours' credit to continue.
9. Each candidate's transcript will be evaluated for determining what, if any, courses will be required as program prerequisites and/or those courses that will be transferred into the program. Twelve (12) credit hours may be transferred from other graduate programs.

### **[3] Admission to Candidacy**

Students must apply for admission to candidacy when no fewer than nine and no more than eighteen semester hours in the degree program have been successfully completed.

### **[4] Residence Credit**

Students must complete a minimum of 25 semester hours at the University of Central Arkansas.

### **[5] Transfer Credit**

No more than twelve 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 semester hours must have been awarded by a state-accredited institution, must have been earned after completion of the master's degree, and must complement the student's approved program of study. Acceptance of transfer credit does not reduce the minimum residence of 25 hours.

### **[6] Degree Requirements**

The EdS degree in Educational Leadership requires that the candidate

1. Earn 37 semester hours of graduate credit including the courses listed here, with a minimum GPA of 3.5 and no "C" grades: ASTL 6380 or equivalent; EDLP 6324, 6325, 7101, 7300, 7301, ,7323, 7363, 7387, 7391,

7660, 7115-7315 to equal a minimum of three hours;

2. Successfully complete a directed specialist's project; and
3. Successfully pass an oral comprehensive examination in which the student articulates knowledge of District Administration theory and practice (contained within the 6 Educational Leaders Constituency Council [ELCC] Standards) through the defense of his/her comprehensive portfolio and successfully defends his/her Directed Specialist's Project. Students who do not successfully complete the comprehensive portfolio and project defense may reschedule the examination once within one calendar year and must pass it in order for the degree to be awarded.

## **[7] Graduate Courses in Educational Leadership (EDLP)**

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

## **[8] Graduate Courses in Advances Studies in Teaching and Learning**

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

Graduate Bulletin

Document Number 3.07.05

## **SCHOOL LEADERSHIP**

### **[1] Master of Science Program (MS) 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 special education or gifted talented education. These programs are aligned with both state and national standards. The program is part of UCA's National Council for Accreditation of Teacher Education (NCATE) accreditation and is approved by the Educational Leadership Constituent Council. The program is designed to provide 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, or assistant principals. This 34 hour degree program requires completion of a sequential program that includes internship and portfolio defense. State approved programs of study are available for individuals who hold appropriate master's degrees who desire to pursue licensure for leadership roles as building administrators, curriculum administrators, or program administrators. Contact the Department of Leadership Studies for details on these programs of study. These programs of study vary in length based upon individual applicant backgrounds. All programs require an internship and portfolio defense.

## **[2] Board of Education Requirements**

The Arkansas State Board of Education requires a minimum of four years experience, three of which must be in a classroom. The other year(s) of experience may be as a school administrator or counselor. In addition, the candidate must pass the School Leaders Licensure Assessment (SLLA) for Building Administrators to receive licensure.

## **[3] Admission Requirements**

Admission to this degree program is competitive and selective. In addition to meeting the general requirements of the Graduate School, all applicants must present satisfactory test scores from the Graduate Record Examinations (GRE) and satisfactorily fulfill the following requirements:

1. Submit a valid teaching certificate appropriate to the level at which the applicant will be seeking building-level licensure (P-8 or 7-12).
2. Present letters from appropriate individuals that verify at least three years of full-time successful teaching experience.
3. Submit a letter of nomination/support from an administrator in the applicant's district.
4. Submit two additional recommendations from professionals who are familiar with the applicant's professional and academic performance.
5. Submit scores on the Graduate Record Examination (GRE).
6. Provide a written letter to the Arkansas State Board of Education from the applicant's district.



## **[4] Degree Requirements**

Candidates for the MS degree in School Leadership, Management, and Administration will successfully complete all academic requirements; will demonstrate development of knowledge areas, skills, and dispositions as outlined in program assessment rubrics; will develop and complete a professional portfolio; and will pass the School Leaders Licensure Exam (SLLA) for building-level administrators.

### **[4.1] Recommended courses by term**

#### **1st Term**

SLMA 6310 Foundations of School Leadership

ASTL 6380 Research Design

#### **2nd Term**

SLMA 6312 School-Based Organizational Leadership

SLMA 6320 School Law

SLMA 6120 Internship I

#### **3rd Term**

SLMA 6430 Curriculum and Program Leadership for Schools

SLMA 6130 Internship II

#### **4th Term**

SLMA 6440 Principal as Instructional Leader

SLMA 6140 Internship III

#### **5th Term**

SLMA 6450 Principal as Manager

SLMA 6150 Internship IV

## **6th Term**

SLMA 6460 Collaborative School Leadership

SLMA 6160 Internship V

SLMA 6170 Portfolio

## **[4.2] Programs of Study for Administrator Licensure**

The Department of Leadership Studies is working with the Arkansas Department of Education to develop programs of study in the following areas for individuals with appropriate master's degrees: building administrator, curriculum administrator, and program administrator (gifted/talented educators and special educators). Contact the Department of Leadership Studies for details.

## **[5] Courses in School Leadership, Management, and Administration (SLMA)**

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

Graduate Bulletin

Document Number 3.07.06

## **SCHOOL COUNSELING**

### **[1] Master of Science in School Counseling Program Description**

The Department of Leadership Studies offers the Master of Science in School Counseling. The program provides students with the necessary skills to be effective school counselors in an elementary or secondary school setting. All students must receive the M.S. in School Counseling to be recommended for licensure to the State Board of Education as guidance counselors.

### **[2] Admission Requirements**



Petition for candidacy should be made after the semester in which the total number of graduate hours reaches eighteen (18) and before the end of the semester in which the accumulated total graduate hours reaches thirty (30).

## **[4] Course Requirements in School Counseling**

Successful completion of 45 semester hours of graduate credit is required for the MS degree in School Counseling. The 45 hours includes 6 hours of practicum and 3 hours of internship. After the coursework is completed, the student must pass the comprehensive written exam before enrolling in Internship.

### **[4.1] Course Requirements (45 hours)**

COUN 6307, 6308, 6322, 6334, 6342, 6350, 6360, 6342\*; PSYC 5320, 6315, 6335, 6354, 6356, 6370, 6398.

\*To enroll in Internship, you must have successfully completed Practicum I and II as well as passed

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administered by the Educational Testing Service.

Follow this link for School Counseling course descriptions: [course link](#)

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## SCHOOL COUNSELING

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The Department of Leadership Studies offers the Master of Science in School Counseling. The program provides its students with the necessary skills to be effective school counselors in an elementary or secondary school setting. All students must receive the M.S. in School Counseling to be recommended for licensure to the State Board of Education as guidance counselors.

### [2] Admission Requirements

To be admitted to the Master of Science in School Counseling, these steps must be completed.

1. Complete **two** applications.

**Application 1** - Apply for admission to the UCA Graduate School (<http://www.spo.uca.edu/graduate> or by phone 501-450-3124). The complete application will be reviewed by the Graduate School, and the student will be informed of admission status by the Graduate School in writing.

**Application 2** - Apply for admission to the M.S. program in School counseling (<http://www.uca.edu/psychology> or by phone at 501-450-XXXX). There are two deadlines: March 15th and July 15th of each year. The completed application will be reviewed by the School Counseling program Committee, and the student will be informed of admission status by the Program Committee in writing. Prospective students will then be assigned an advisor.

**PLEASE NOTE:** You must hold or be eligible to hold an Arkansas Teaching License to be considered for admission\*.

2. Completed application form to the M.S. program in School Counseling must be typed with a typed essay of approximately 300 words on professional goals and plans (career and/or further graduate study).
3. Approved students are required to submit scores on the General Section and the aptitude of the Graduate Record Examinations (GRE).
4. Transcripts from all universities attended must be received by the Graduate School.
5. Three letters of recommendation from former professors or individuals otherwise qualified to comment on your professional and academic potential.

\*In order to be recommended for licensure in School Counseling to the Arkansas Department of Education, the student must (1) hold or be eligible to hold an Arkansas teaching license, (2) have one school year of full-time experience as a certified classroom teacher, (3) submit scores on the Counseling section of the Praxis Examination



## [1] Graduate Courses in Accountancy (ACCT)

**6304 ADVANCED GOVERNMENTAL AND NONPROFIT 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



case method. Attention is given to the techniques of management control processes and their behavioral considerations.

**6350 SEMINAR IN ACCOUNTING LEADERSHIP** A study of the principles of effective leadership and negotiation skills in accounting.

**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.

**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.

**5316 ADVANCED INCOME TAX** This course introduces the taxation of partnerships, corporations, estates and trusts. The course is open to graduates students who have not had a similar course in their undergraduate program

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Document Number 4.01.02

## **BUSINESS ADMINISTRATION**

Return to [Business Administration](#)

### **[1] Graduate Courses for the Pre-MBA and the Graduate Certificate Program in Business Management (MBA)**

**5110 SEMINAR IN DEVELOPMENTS IN BUSINESS MANAGEMENT** Required for graduate students who are pursuing a graduate certificate in business management. The courses focuses on the interdisciplinary aspects of the global business organization. Generally, seminar discussions center around topics and developments from economics, accounting, finance, management, and marketing. The course explores interrelationships among these disciplines and how each discipline affects the operations and strategies of organizations. Case analyses will be the primary method of teaching; executive-level simulations, games, role-playing methods will also be employed.

Prerequisites: None.

**5310 FINANCIAL AND MANAGERIAL ACCOUNTING PRINCIPLES** A required course for all Pre-MBA students who have not had equivalent courses in both financial and managerial accounting. Fundamental financial and

managerial accounting techniques and tools for business decisions are developed.

**5320 FOUNDATIONS OF ECONOMIC SCIENCE** A required course for all Pre-MBA students who have not had equivalent courses in both micro- and macro-economics. The principles of economic rationale and analysis, both micro- and macro-, are developed.

**5330 FINANCE CONCEPTS** A required course for all Pre-MBA students who have not had an equivalent upper-division (or higher) course in finance. The basic tools of financial analysis and the principles for evaluating the financial soundness of financial decisions of organizations are developed.

**5340 PRINCIPLES OF MANAGEMENT** A required course for all Pre-MBA students who have not had equivalent courses in management. An examination of the principles of effective management of organizations and people with an introduction into strategic management, visioning, and leadership.

**5350 FUNDAMENTALS OF MARKETING** A required course for all Pre-MBA students who have not had an equivalent course in marketing. This is a course in the fundamental concepts of customer service and marketing.

**5360 QUANTITATIVE ANALYSIS FOR BUSINESS** A required course for all Pre-MBA students who have not had an equivalent course in statistics or quantitative analysis. The class focuses on understanding and using statistical analysis to solve business problems and make business decisions.

## **[2] Courses in Business Administration (MBA)**

**6301 DECISION MODELING IN INFORMATION SYSTEMS** A required course for all MBA students. Students will explore the role of information systems in business with emphasis on application of quantitative, data analysis, and information management methods for business decision-making.

**6302 ACCOUNTING FOR MANAGEMENT DECISIONS** A required course for all MBA students. E

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**6306 LEGAL ENVIRONMENT OF BUSINESS FOR MANAGERS** A required 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 a required 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. Prerequisites: MBA 5360 or equivalent.

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## **FINANCE, 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. On demand.

**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.

## **[2] 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 asavings and investing.

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Graduate Bulletin

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## **ADVANCED STUDIES IN TEACHING AND LEARNING**

Return to [Advanced Studies in Teaching and Learning](#)

## **[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.

**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.

**6101 ISSUES IN TEACHING** 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.

**6201 ISSUES IN TEACHING** 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.

**6301 ISSUES IN TEACHING** 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.

**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.

**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 socioemotional - 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.



**6302 MEDICAL AND EDUCATIONAL ASPECTS OF DISABILITIES** Examines the medical, psychological, and educational implications for individuals with disabilities. Summer.

**6304 BEHAVIOR AND CLASSROOM MANAGEMENT** Examines the theory, research, and practice of managing the behaviors of students with disabilities. The course emphasizes theoretical and functional principles of behavior management used and observed in the classroom. Summer.

**6306 FAMILY, SCHOOL, AND COMMUNITY PARTNERSHIPS** Examines the impact of children with disabilities on families and the various theoretical approaches to family functioning. The course includes the factors that affect family structure, the family's role in their child's development, and the techniques for identifying family strengths and needs. In addition, theory, research, and practice of family/school/community partnerships and the effect diversity, including disability, has on such partnerships is discussed. Fall.

**6308 EDUCATIONAL ASSESSMENT IN SPECIAL EDUCATION** Examines the theory, research, and practices of testing students with disabilities in the classroom. The course emphasizes the assessment process as well as the practical skills needed to assess students with special needs. Spring.

**6310 EARLY LITERACY-ASSESSMENT** The purpose of this course is to develop a thorough understanding of theory/research of literacy assessment. Based on this foundation, students will develop an understanding of the relationship between assessment and reflective thinking. Through a balanced literacy framework, students will learn to make teaching decisions that lead to increased instructional opportunities for children. On Demand.

**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. Prerequisite: ECSE 4315 or equivalent. Fall, Spring.

**6318 MODIFICATIONS IN THE GENERAL CLASSROOM** Mashburn Institute Curriculum.

**6320 LEARNING STRATEGIES FOR EXCEPTIONAL LEARNERS** Mashburn Institute Curriculum.

**6322 CURRENT ISSUES AND TRENDS** Examines current issues and trends in the field of early childhood special education. State and federal laws governing and regulating early childhood special education, program models, community resources, program development, and state agencies and organizations are addressed. Special emphasis is placed on providing candidates with knowledge of philosophies, roles, and services of various professionals providing services to young children with special needs. Prerequisites: Completion of all special education core courses. Fall.



**6325 TEACHING CHILDREN WITH ATTENTION DEFICIT DISORDERS** This course will examine the characteristics, assessment, and management of ADD. It will provide training in the development of behavioral and academic intervention techniques designed to meet the educational needs of children with ADD. On Demand.

**6327 EDUCATIONAL PROGRAMMING FOR CHILDREN AGES 0-5 WITH DISABILITIES** Examines curricula issues, instructional arrangements, and management techniques for meeting the needs of children ages birth to age five with disabilities. Emphasis is placed on skills needed by instructional specialists to be successful in various community and school settings. Prerequisites: Completion of all special education core courses. Spring.

**6330 TRANSDISCIPLINARY AND COLLABORATIVE PRACTICES** Examines the concept and practice of collaboration and transdisciplinary teaming in providing appropriate services to young children with disabilities. Prerequisites: Completion of all core courses. Summer.

**6335 TEACHING STUDENTS WITH AUTISM, PERVASIVE DEVELOPMENTAL DISORDERS AND OPPOSITIONAL DEFIANT/CONDUCT DISORDERS** This course will examine the characteristics, assessment and management of children and adolescents with Autism, Pervasive Developmental Disorders, and Oppositional Defiant/Conduct Disorders. It will provide training in the development of behavioral and academic intervention techniques designed to meet these students' unique and diverse educational needs. On Demand.

**6336 ADVANCED STUDIES IN GUIDANCE AND MANAGEMENT OF YOUNG CHILDREN** This course examines the theory, research, and practice of social and emotional learning among children. 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. This course is designated as a core requirement for candidates seeking a Master of Science in Early Childhood Education. Spring.

**6337 EDUCATIONAL PROGRAMMING FOR CHILDREN AGES 5-8 WITH DISABILITIES** Examines curricula issues, instructional strategies, learning environments, instructional arrangements, and management techniques for meeting the needs of children ages five to eight with disabilities. Emphasis is placed on skills needed to be successful in a variety of community and school settings. Prerequisites: Completion of all special education core courses. Summer.

**6338 ADVANCED INSTRUCTIONAL AND ASSESSMENT STRATEGIES FOR YOUNG CHILDREN** This course focuses on planning, implementing, and evaluation activities and strategies designed to facilitate cognitive content learning among children from diverse populations; addresses essential concepts, inquiry tools, and structure of

content areas including academic subjects. i.e., language arts, science, social studies, and mathematics; addresses academic perspectives on measurement and evaluation in the early childhood years; addresses professional and ethical issues regarding instruction and evaluating young children from diverse populations. Summer.

**6341 LANGUAGE ARTS IN THE ELEMENTARY SCHOOL** Objectives of language arts programs in the elementary school. Examines alternatives in the teaching of reading and language development in the elementary school. Summer.

**6342 RESEARCH AND LITERATURE IN READING** The investigation of the teaching and learning process of reading and related language arts. Fall.

**6343 PRACTICUM IN READING I (EARLY LITERACY)** Diagnosis and treatment of reading difficulties (Pre-K through second grade) in case study format under clinical supervision. Prerequisite: ECSE 6314 and consent of instructor. Summer.

**6344 PRACTICUM IN READING II (MIDDLE GRADES)** Extension and further development of strategies learned

**6357 CREATIVITY FOR THE GIFTED AND TALENTED** Exploration of the characteristics of the creatively gifted student and provision for analysis of the theoretical models and their applications. Enrolment restricted to g/t licensure candidates. Summer.

**6358 STRATEGIES FOR THE GIFTED AND TALENTED** This course examines the differentiated teaching strategies necessary to effectively provide appropriate experiences, materials, and environments conducive to optimum learning/development of the gifted and talented. Enrolment restricted to g/t licensure candidates. Summer.

**6365 EDUCATIONAL PROGRAMMING FOR STUDENTS WITH EMOTIONAL BEHAVIORAL DISABILITIES** Incorporates assessment for educational assessment for educational planning, instructional methods, and intervention strategies for teaching students grades 4-12 with emotional behavioral disabilities. Prerequisites: Completion of all special education core courses. Summer.

**6366 EDUCATIONAL PROGRAMMING FOR STUDENTS WITH MILD DISABILITIES** Incorporates assessment for educational planning, instructional methods, and intervention models for teaching students grades 4-12 with mild disabilities. Prerequisites: Completion of special education all core courses. Spring.

**6367 EDUCATIONAL PROGRAMMING FOR STUDENTS WITH SIGNIFICANT DISABILITIES** Incorporates assessment for educational planning, instructional methods, and intervention models for teaching students grades 4-12 with significant disabilities. Prerequisites: Completion of all special education core courses. Spring.

**6370 LABORATORY PRACTICES FOR STUDENTS WITH DISABILITIES** Provides supervised experiences in the area of instructional specialist grades 4-12. Prerequisites: Completion of all special education core courses and ECSE 6350, 6365, 6366, and 6367; must be taken concurrently with ECSE 6371. Summer.

**6371 LABORATORY PRACTICES FOR STUDENTS WITH DISABILITIES** Provides supervised experiences in the area of instructional specialist grades 4-12. Prerequisites: Completion of all special education core courses and ECSE 6350, 6365, 6366, and 6367; must be taken concurrently with ECSE 6370. Summer.

**6372 INDEPENDENT READING AND RESEARCH** Reading and a research problem in education selected by the student under the direction of the instructor. On demand.

**6374 CURRICULUM RATIONALE FOR EARLY CHILDHOOD EDUCATION** Analysis of different curricula in early childhood programs. Summer.

**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

**6231 TECHNICAL SERVICES FOR THE SCHOOL LIBRARY MEDIA CENTER** Principles and processes involved in technical services. Acquisition, processing, organization, and circulation of information in all formats in terms of different types of information centers. On demand.

**6233 ORGANIZATION OF INFORMATION 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

configurations, as well as the retrieval of information from external sources, will be investigated. On demand.

**6337 COMPUTER GRAPHICS AND ANIMATION** Production of computer graphics and animation. Prerequisite: Computer experience and consent of instructor. On demand.

**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. On demand.

**6341 DESIGN AND PRODUCTION OF MEDIA RESOURCES II** Continuation of LIBM 6340. Extension of fundamental techniques and the production of more complex media. Prerequisite: LIBM 6340. On demand.

**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. On demand.

**6351 INSTRUCTIONAL PRODUCT DEVELOPMENT** Developmental procedures necessary to produce validated learning packages in a variety of media formats. On demand.

**6353 INSTRUCTIONAL ROLE OF THE SCHOOL LIBRARY MEDIA SPECIALIST** 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. On demand.

**6354 MULTIMEDIA** Computer applications as applied to education and instruction. Emphasis on hardware/

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. On demand.

**6368 TECHNOLOGY PLANNING AND LEADERSHIP** Management of electronic resources in schools, businesses, and industries including related activities: planning, design, policymaking, maintenance, and training programs. On demand.

**6370 INTEGRATION OF SCHOOL LIBRARY RESOURCES INTO THE CURRICULUM** Role of the school library media specialist in the support, enrichment, and extension of the curriculum. Focuses on the school library media specialist's role in consulting, teaching, and information provision. On demand.

**6371 DESIGNING INFORMATIONAL PROGRAMS FOR CHILDREN AND YOUTH** Planning, implementing, and evaluating educational and recreational programs for children and young adults. On demand.

**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. On demand.

**6375 GLOBAL INFORMATION RESOURCES** Techniques and processes for accessing and retrieving global information resources through networks. On demand.

**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. On demand.

**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. On demand.

**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. On demand.

**6398 RESEARCH METHODS** Principles of scientific inquiry, methods and techniques of research, research tools and techniques, research proposals, and the interpretation and critique of research in the profession. On demand.





**5395 INTRODUCTION TO ADULT EDUCATION** Principles of adult education. An overview of the educational needs of adults. Fall.

**5396 METHODS AND TECHNIQUES OF ADULT EDUCATION** Specific methods and techniques used in the teaching of adults. Spring.

**6102, 6202, 6302 SPECIAL PROBLEMS IN MARKETING EDUCATION** Review of current developments in the teaching of marketing education. On demand.

**6131, 6231, 6331 SPECIAL PROJECTS IN BUSINESS EDUCATION** Review of current developments in the teaching of business education. On demand.

**6301 METHODS AND MATERIALS IN VOCATIONAL EDUCATION** Methods and materials to use in teaching courses in vocational education. On demand.

**6310 IMPROVEMENT OF INSTRUCTION IN WORD PROCESSING** Recent methods, materials, techniques, and equipment for the teaching of keyboarding/word processing. On demand.

**6315 CURRENT PRACTICES IN WORKFORCE EDUCATION** Survey of workforce education practices. On demand.

**6318 MICROCOMPUTER NETWORKING** Basics and protocols of data communication and architecture, LANS, and cabling; networking operating systems; and troubleshooting microcomputer networks. Prerequisite: MSTS 5325. Spring.

**6320 IMPROVEMENT OF INSTRUCTION IN COMPUTERIZED ACCOUNTING AND BASIC BUSINESS SUBJECTS** Recent methods, materials, techniques, and equipment for the teaching of accounting and basic business. On demand.

**6321 FOUNDATION OF BUSINESS EDUCATION** Principles and philosophy of business; contributions to general education, objectives, federally aided programs, curriculum construction and planning, guidance and preparation of business teachers, leadership, and literature in business. On demand.

**6322 RESEARCH STUDIES** A review of research methods and a discussion of selected problems studied from current sources, oral reports, and discussions. Capstone course. Prerequisite MSIT 6380. Spring.



**6354 MULTIMEDIA** Computer applications as applied to education and instruction. Emphasis on hardware/software components and the design and construction of a multimedia presentation. Prerequisite: MSTS 5325. Spring.

**6355 PREPARING COMPUTER-BASED INSTRUCTIONAL SOFTWARE** Integrations and application of instructional design and development concepts as applied to the production of instructional software for education, business, and medicine. Prerequisite: MSTS 5325. On demand.

**6357 DIAGNOSTIC TECHNIQUES FOR COMPUTER MAINTENANCE** Discussions and exercises concerning concepts, design criteria, general circuitry theory, module installation, system configurations, and preventive maintenance of microcomputers. Fall.

**6358 MANAGING COMPUTER TECHNOLOGY IN EDUCATIONAL SETTINGS** Development of management techniques for computer technology in educational settings. Spring.

**6359 IMPROVEMENT OF INSTRUCTION IN VOCATIONAL EDUCATION FOR THE SPECIAL NEEDS LEARNER**  
A study of methods and materials resulting in the formulation of individualized modules for the student with special needs in the vocational lab and classroom. Summer.

**6368 TECHNOLOGY PLANNING AND LEADERSHIP** Management of electronic resources in schools, businesses, and industries including related activities: planning, design, policymaking, maintenance, and training programs. Summer.

**6371 ORGANIZATION AND ADMINISTRATION OF ADULT EDUCATION** Survey of administrative practices in adult education. On demand.

**6375 GLOBAL INFORMATION RESOURCES** Techniques and processes for accessing and retrieving global information resources through networks for instructional design purposes. Spring.

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**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. On demand.

**6208 INSTRUMENTAL LITERATURE II** Continuation of Instrumental Literature I. Required for MM/Instrumental Conducting. On demand.

**6210 CHORAL LITERATURE I** Survey of early choral literature from the Renaissance through the Baroque era. On demand.

**6211 CHORAL LITERATURE II** Survey of literature from the Classical period through the present. On demand.

**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. On demand.

**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. On demand.

**6214 INSTRUMENTAL PEDAGOGY AND REPERTOIRE II** Continuation of Instrumental Pedagogy and Repertoire I. Required for MM/Performance degree. On demand.

**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. On demand.

**6216 SEMINAR IN PIANO LITERATURE II** Piano literature from Schubert's time to the present. Analysis and performance of specific compositions by selected composers. On demand.

**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. On demand.

**6301 MUSIC THEORY REVIEW AND ANALYSIS** Designed to satisfy deficiencies indicated by Graduate Music Theory Entrance Examination. Emphasizes partwriting, analysis, form, and harmonization, combined with aural training and counterpoint. Prerequisite: MUS 2431 or equivalent. On demand.

**6302 ANALYTICAL TECHNIQUES FOR TWENTIETH-CENTURY MUSIC** Examination of representative twentieth-century analytical and compositional techniques, including set theory. Includes 12-tone theory, polyharmony, linear counterpoint, multi-rhythms, and aleatoric devices. Prerequisite: MUS 2431. On demand.

**6303 SEMINAR IN MUSIC EDUCATION I** Historical, philosophical, and psychological foundations of music education; the application of the principles of education to the music program. 3 credits





## MUSIC

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Go to [MUSE \(Music - Ensemble\) course descriptions](#)

### [1] Graduate Courses in Music - Applied (MUSA)

**6101, 6201, 6401 PICCOLO** Applied instruction. May be repeated for credit.

**6102, 6202, 6402 FLUTE** Applied instruction. May be repeated for credit.

**6103, 6203, 6403 OBOE** Applied instruction. May be repeated for credit.

**6104, 6204, 6404 CLARINET** Applied instruction. May be repeated for credit.

**6105, 6205, 6405 SAXOPHONE** Applied instruction. May be repeated for credit.

**6106, 6206, 6406 BASSOON** Applied instruction. May be repeated for credit.

**6110, 6210, 6410 TRUMPET** Applied instruction. May be repeated for credit.

**6111, 6211, 6411 HORN** Applied instruction. May be repeated for credit.

**6112, 6212, 6412 EUPHONIUM** Applied instruction. May be repeated for credit.

**6113, 6213, 6413 TROMBONE** Applied instruction. May be repeated for credit.

**6114, 6214, 6414 TUBA** Applied instruction. May be repeated for credit.

**6120, 6220, 6420 PERCUSSION** Applied instruction. May be repeated for credit.

**6130, 6230, 6430 PIANO** Applied instruction. May be repeated for credit.

**6140, 6240, 6440 VIOLIN** Applied instruction. May be repeated for credit.

**6141, 6241, 6441 VIOLA** Applied instruction. May be repeated for credit.

**6142, 6242, 6442 VIOLONCELLO** Applied instruction. May be repeated for credit.

**6143, 6243, 6443 STRING BASS** Applied instruction. May be repeated for credit.

**6150, 6250, 6450 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. Fall, spring.

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## MUSIC

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### [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.

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## **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)**

**5360 ELEMENTARY ART CURRICULUM** An in-depth study of methods and evaluation of the teaching of elementary school art. On demand.

**5361 SECONDARY ART CURRICULUM** An in-depth study of methods and evaluation of the teaching of secondary school art. On demand.

**5171, 5271, 5371 ADVANCED STUDIO PROBLEMS** Specific art media or topic on current issues and problems in art. On demand.

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## **DIGITAL FILMAKING**

Return to [Digital Filmmaking](#)

### **[1] Graduate Courses in Digital Filmmaking (FILM)**

**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. On demand.

**6323 PRODUCTION SEMINAR: DIGITAL VISUAL EFFECTS** Graduate-level course required for the MFA in digital filmmaking. 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. Fall.

**6324 PRODUCTION SEMINAR: PRODUCING THE MOTION PICTURE** Graduate-level course required for the MFA program in digital filmmaking. 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. Spring.

**6325 PRODUCTION SEMINAR: DIRECTING THE MOTION PICTURE** Graduate-level course required for the MFA program in digital filmmaking. This is a course in the principles and practices of directing, focusing on two primary areas: (1) students will learn script analysis, rehearsal technique, and working with actors; and (2) students will focus on shot composition and visual design through the creation of shot lists and storyboards. Spring.

**6340 HISTORY OF AMERICAN CINEMA** Graduate-level course required for the MFA program in digital filmmaking. 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. Fall.

**6341 HISTORY OF INTERNATIONAL CINEMA** Graduate-level course required for the MFA program in digital filmmaking. 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. Spring.

**6360 SCREENWRITING** Graduate-level course required for the MFA program in digital filmmaking. 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. Fall.

**6362 WRITING THE SHORT FILM** Graduate-level course required for the MFA program in digital filmmaking. Addresses the unique structural and character demands of writing the short script (less than 60 pages). Fall.









permission of the instructor. Summer.

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## HEALTH SCIENCES

Return to [Health Sciences](#)

### [1] Graduate Courses in Health Education (H ED)

**6311 HEALTH APPRAISAL OF SCHOOL CHILDREN** The school health service program with emphasis on the teacher's role in identification of pupil health problems. On demand in Summer.

### [2] Graduate Courses in Health Science (H SC)

**5301 HEALTH EDUCATION IN THE MEDICAL CARE SETTING** Principles of planning and theories of patient education. Spring

**5302 HEALTH EDUCATION IN THE WORKSITE** Methods of health promotion uniquely suited to the worksite setting. Emphasis on program organization, implementation, and methodology. On demand.

development of skills to plan and evaluate new programs in the community, clinical, and hospital settings.  
Emphasizes program planning and evaluation competencies of the community health educator. Fall, spring.

**5343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS** A study of the health concerns of various ethnic groups, integration of West1 ns ealth coograms in theradion o securleF seenvironnt osand horesearchkills toj C

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. Spring, summer.

**6350 CONTEMPORARY HEALTH PROBLEMS** An in depth study of health problems related to personal and community health. Fall, even years.

**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. Fall, odd years.

**6360 INTERNATIONAL HEALTH** Comparison of health models around the world. Special emphasis is given to the political parameters of health including socialistic, capitalistic, and communistic systems and their delivery processes. Spring, Odd years.

**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. Spring.

**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. On demand.

**6379 RESEARCH IN HEALTH AND APPLIED 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. Annually.

**6380 THESIS RESEARCH I** 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. On demand.

**6390 THESIS RESEARCH II** Completion of the data collection, writing of thesis, and defense of the thesis. Prerequisite: Consent of the department. On demand.

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**KINESIOLOGY AND PHYSICAL EDUCATION**

Return to [Kinesiology and Physical Education](#)

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

**5310 SECONDARY METHODS AND MATERIALS FOR PHYSICAL EDUCATION** The course identifies exemplary models of teaching and programming which students can adapt for their own professional use. Investigation, analysis, and practice of effective methods and techniques for the development of motor skill learning in children and adolescents will be conducted through systematic observations and evaluation of students' teaching. Primary instructional methods include lecture, discussion, and micro-teaching. Clinical experience will be required through an internship program. Candidates will be provided with opportunities to participate in the roles and responsibilities performed by teachers under the guidance of a master physical education teacher. On demand.

**5363 EVALUATION AND ASSESSMENT IN ADAPTED PHYSICAL EDUCATION** Development of evaluation and assessment skills, and exposure to specific questions in the field of adapted physical education. On demand.

**6300 INDEPENDENT STUDY IN KINESIOLOGY AND PHYSICAL EDUCATION** Independent study that requires the student to prepare and develop a selected topic. Presentation of research to graduate faculty is required. On demand.

**6301 THESIS RESEARCH I** Proposal and approval of a thesis topic, a review of related literature, and presentation and approval of a research design. Collection of pertinent data. On demand.

**6302 THESIS RESEARCH II** Completion of the data collection, writing of thesis, and defense of the thesis. On demand.

**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. On demand.

**6315 RESEARCH METHODS IN KINESIOLOGY AND PHYSICAL EDUCATION** Understanding the research process and developing the skills applicable to the conduct of scientific investigation in kinesiology and physical education. Fall, on demand.

**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: Research Methods or equivalent or consent of instructor. On demand.



## NURSING

Return to [Nursing](#)

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

**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. Addresses 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. On request.

**6110, 6210, 6310, 6410 DIRECTED PRACTICUM: SELECTED POPULATION** Clinical nursing experiences with selected client populations, determined by needs and goals of student in consultation with instructor and approved by department chair. On request.

**6143, 6243, 6343 INDEPENDENT STUDY** Nursing topic of special interest to the student who wishes to conduct an in-depth concentrated study with faculty guidance. On request.

**6150, 6250 DIRECTED CNS PRACTICUM: FAMILY/COMMUNITY HEALTH** A clinical-only course that builds on and expands the clinical competencies developed in Family/Community Health CNS track for a total of 90 clinical clock hours per credit hour. Pre/corequisites: NURS 6505. On request.

**6154, 6254 DIRECTED CNS PRACTICUM: MEDICAL/SURGICAL** A clinical-only course that builds on and expands the clinical competencies developed in Medical/Surgical CNS track for a total of 90 clinical clock hours per credit hour. Pre/corequisites: NURS 6501. On request.

**6158, 6258 DIRECTED CNS PRACTICUM: PSYCHIATRIC MENTAL HEALTH** A clinical-only course that builds on and expands the clinical competencies developed in the Psychiatric/Mental Health CNS track for a total of 90 clinical clock hours per credit hours. Pre/corequisites: NURS 6507. On request.

**6160, 6260 DIRECTED NP PRACTICUM: ADULT** A clinical-only course that builds on and expands the clinical competencies developed in the Adult NP track for a total of 90 clinical clock hours per credit hour. Pre/corequisites:

NURS 6521. On request.

**6164, 6264 DIRECTED NP PRACTICUM: FAMILY** A clinical-only course that builds on and expands the clinical competencies developed in the Family NP track for a total of 90 clinical clock hours per credit hour. Pre/corequisites: NURS 6520. On request.

**6199, 6299, 6399, 6499 CONTINUED STUDIES** Credit/non-credit 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. On request.

**6226 EPIDEMIOLOGY FOR ADVANCED NURSING PRACTICE** Distribution of health states and demographics in populations and communities. Investigates environmental conditions, lifestyles, and other wellness/risk factors associated with health states throughout the lifespan. Prerequisites: Admission to the MSN program. On Request.

**6301 NURSING RESEARCH METHODOLOGY** Focuses on understanding scientific approaches to nursing knowledge through specific research methodologies culminating in the development of a proposal for a researchable nursing problem. Prerequisite: Full Admission to the MSN program. Fall.

**6303 POLICY AND ROLES IN ADVANCED HEALTH CARE** Addresses health care policy, organization and financing of health care, ethics, legal issues, and the role of the advanced practice nurse in the development, implementation, and evaluation of health care delivery. Prerequisite: Admission to the MSN program. On Request.

**6304 NURSING RESEARCH UTILIZATION** Focuses on the integration of research into nursing practice, and includes evaluation of research, problem identification within the practice setting, awareness of practice outcomes, and the clinical application of research. Prerequisite: Full Admission to MSN Program. Spring.

**6305 EDUCATIONAL CONCEPTS FOR ADVANCED PRACTICE NURSING** Explores the role of the nurse educator in student education, continuing education, staff development, and patient/client education. Includes philosophy of education, principles of teaching learning, learner assessment, developing/selecting instructional materials, preparing teaching plans, group instruction strategies, and principles of measurement and evaluation. Spring.

**6315 HEALTH ASSESSMENT FOR ADVANCED NURSING PRACTICE** Advanced comprehensive health/physical assessment to determine appropriate and effective health care. Advanced data collection, diagnostics, and nursing intervention including screening and referrals. Incorporates cultural and developmental variations and needs. Prerequisite: Admission to the MSN program. Fall.

**6320 PATHOPHYSIOLOGY FOR ADVANCED NURSING PRACTICE** Provides advanced practice nurses with the

pathophysiology foundation for diagnostic reasoning, clinical assessment and management of client care.

Prerequisite: Admission to the MSN program. Fall.

**6322 EPIDEMIOLOGY AND COMMUNITY CONCEPTS FOR ADVANCED PRACTICE NURSING** Explores the distribution of health states and demographics in populations and communities. Investigates environmental conditions, global issues, lifestyles, and other wellness/risk factors associated with societal and individual health states throughout the lifespan. Examines the delivery of culturally competent healthcare. Spring.

**6325 PHARMACOTHERAPEUTICS FOR ADVANCED NURSING PRACTICE** Provides advanced practice nurses with the foundation to prescribe and manage pharmacologic regimens. Related pharmacologic issues are addressed. Prerequisite: Admission to the MSN program. Spring.

**6330 ADVANCED PRACTICE MANAGEMENT** Explores transition into advanced practice nursing roles by addressing advanced practice issues, leadership and change theory, the business of advanced practice, and interactive skill development. Prerequisite: Admission to MSN Program. On Request.

**6332 HEALTH POLICY AND LEADERSHIP** Examines roles by



teaching-learning, learner assessment, developing/selecting instructional materials, preparing teaching plans, and instruction strategies. Practicum component allows the student to implement the teaching role. Prerequisite: NURS 6345 preferred, first clinical course preferred, or permission of department chair if other CHBS graduate major. Spring.

## **6350 CURRICULUM IN NURSING AND HEALTH PROFESSIONS**



## [1] Graduate Courses in Occupational Therapy (OTHY)

**5308 FOUNDATIONS IN OCCUPATIONAL THERAPY** Examination of the conceptual foundations of occupational therapy. Exploration of the role of occupational therapy practitioners as influenced by a variety of service-delivery models. The basic components of documentation of occupational therapy services are presented. Prerequisite: Admission to OT program. Fall.

**5310 ASSISTIVE TECHNOLOGY** The use of assistive technology to promote greater independence for individuals with disabilities. Domains presented include vision, hearing, communication, mobility, cognition, and environmental controls. Fall, Spring.

**5317 FUNCTIONAL KINESIOLOGY** Principles of body mechanics and analysis of muscle and joint actions in functional coordinated movement. Prerequisite: Admission to OT program. Fall.

**5321 EVALUATION AND TREATMENT IN PHYSICAL DISABILITIES I** The scope of occupational therapy practice with adolescent through adult populations. Content will include Occupational Adaptation, Rehabilitation, and the Biomechanical frames of reference. Methods of evaluation, treatment planning, implementation, and documentation are emphasized within each theoretical perspective. Prerequisite: Admission to OT program. Spring.

**5325 FOUNDATIONS IN MENTAL HEALTH FOR OCCUPATIONAL THERAPY** The role, scope, and service delivery of occupational therapy for mental health conditions. Etiology, manifestations, treatment, and implications for occupational therapy intervention for major neuropsychiatric conditions are discussed. Prerequisite: Admission to OT program. Spring.

**5330 INTRODUCTION TO RESEARCH** Interpretation and critical analysis of current literature and research in occupational therapy. Sampling, data collection, data analysis, reliability, validity, and the components of a research proposal are introduced. Prerequisite: Admission to OT program or by permission of instructor. Spring.

**5335 FOUNDATIONS FOR PEDIATRIC OCCUPATIONAL THERAPY** This required course introduces the scope of pediatric occupational therapy practice. A typical development is contrasted to typical development in the context of occupational therapy practice. Students develop beginning skills in the diagnosis of problems associated with abnormal development as needed for occupational performance. This course is open to undergraduate and/or graduate students who have been accepted and enrolled in entry-level occupational therapy program. Spring.

**5365 EVALUATION AND TREATMENT IN MENTAL HEALTH I** Introduces the scope of mental health occupational therapy practice, including settings, models, teams, and purposeful activity. Model of Human

Occupation, Object Relations, Behavior and Role Acquisition approaches to evaluation, treatment planning, implementation, and documentation are emphasized. Prerequisite: Admission to OT program. Fall.

**5380 EVALUATION AND TREATMENT IN PHYSICAL DISABILITIES II** Emphasizes traditional and contemporary motor control frames of reference and cognitive-perceptual approaches to intervention with the adult population. Students will learn approaches to assessment, intervention, and documentation based on these approaches. Prerequisite: Admission to OT program. Fall.

**5390, 5490, 5590, 5690 ADVANCED OCCUPATIONAL THERAPY FIELDWORK I** Provides a supervised advanced contribution to occupational therapy in a fieldwork setting. An experience in a clinical specialty area, in rehabilitation management, or in clinical teaching may be selected. Prerequisite: Admission to OT program. On demand.

**6100 LEVEL I FIELDWORK, CLINICAL ROTATION 3** Occupational therapy clinical experience in rehabilitative, medical, and community service delivery models. Observation and moderately supervised evaluation, treatment planning, and treatment implementation. Prerequisite: Admission to OT program. Summer.

**6101 LEVEL I FIELDWORK, CLINICAL ROTATION 4** Occupational therapy clinical experience in rehabilitative, medical, and community service delivery models. Observation and minimally supervised evaluation, treatment planning, and treatment implementation. Prerequisite: Admission to OT program. Fall.

**6125 INDEPENDENT LIVING STRATEGIES FOR COMMUNITY RE-ENTRY** Techniques and therapeutic procedures involved in promoting successful community re-entry for individuals with a variety of impairments. Focus on compensatory techniques, assistive devices, adaptation of the environment, and community resources to accommodate limitations in performance of advanced activities of daily living in community settings. Prerequisite: Admission to OT program. Summer.

**6150, 6250, 6350 INDEPENDENT STUDY IN OCCUPATIONAL THERAPY** Topic in Occupational Therapy of special interest to the student who wishes to conduct an in-depth investigation with faculty guidance. Prerequisite: Admission to OT program. On demand.

**6199, 6299, 6399, 6499, 6599, 6699 CONTINUED STUDIES** This credit/no credit course is required in subsequent semester(s) when an x-grade is awarded in a specified occupational therapy graduate course and until course requirements are fully met. Specified courses are: OTHY 5390-5690, 6150-6350, 6306, 6315, 6316, 6320, as well as other courses if required by the faculty member. The course does not count toward the MS in Occupational Therapy degree, but allows the student access to faculty guidance and university resources.

**6220 CLINICAL REASONING** Course emphasizes the clinical reasoning processes necessary to achieve client-centered practice within the paradigm of occupation. Prerequisite: Admission to OT program. Fall.

**6300 BODY IMAGE AND PERCEPTUAL DYSFUNCTION IN ADULTS** Integration and application of perceptual research and theory to rehabilitation of conditions that result in visual and somesthetic perceptual dysfunctions and body image disturbances. Prerequisite: Enrollment in a graduate-level program in a rehabilitation discipline and consent of instructor. On demand.

**6301 EVALUATION AND TREATMENT IN PEDIATRICS II** Visual perception and psychosocial approaches to evaluation, treatment planning, implementation, and documentation relative to occupational performance and model of human occupation. Fine motor skills, handwriting, and oral motor skills are presented. Prerequisite: Admission to OT program. Spring.

**6304 EVALUATION AND TREATMENT IN MENTAL HEALTH II** Life Span Development, Cognitive Behavioral, Cognitive Disability, and Movement-Centered frames of reference for evaluation, treatment planning, implementation, and documentation are emphasized. Each will be related to both occupational performance and model of human occupation. Prerequisite: Admission to OT program. Spring.

**6305 COMPARATIVE THEORY** Analysis of the work of major theorists and other leaders in the occupational therapy profession and the relationship of their ideas to occupational therapy research and practice. Prerequisite: Admission to OT program. On demand.

**6306 OCCUPATIONAL THERAPY SEMINAR II** Prepares the student to conduct a thorough literature review in a selected interest area and to present this review, in writing, in a cogent fashion. Prerequisite: Admission to OT program. On demand.

**6308 ADVANCED PRACTICE IN PHYSICAL DISABILITIES** Study of purposes and uses of orthotic and prosthetic appliances. Selection, fitting, and fabrication of orthotic appliances, selection of prostheses. Special emphasis on management of burns, arthritis, and musculoskeletal injuries. Prerequisite: Admission to OT program. Spring.

**6310 OCCUPATIONAL THERAPIST AS AN EDUCATOR** Prepares the occupational therapy clinician for adaptation to the higher education environment. Academic issues and concepts are presented; students will learn to prepare educational objectives, learning experiences, and evaluations for a unit of study. Prerequisite: Enrollment in a graduate-level program in a health care discipline or consent of instructor. On demand On demand.





**6346 INTERDISCIPLINARY LEADERSHIP IN PEDIATRIC PRACTICE I** This course presents 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. Prerequisite: Admitted to and progressing through occupational therapy program. Spring.

**6347 INTERDISCIPLINARY LEADERSHIP IN PEDIATRIC PRACTICE II** A continuation of OTHY 6346 (admission by application only). Emphasis is on integrating and applying the clinical and leadership skills learned in OTHY 6346 to interdisciplinary clinical experiences. Prerequisite: OTHY 6346. Fall.

**6352 DIRECTED STUDY IN OCCUPATIONAL THERAPY** Directed individual or group in-depth study of a particular topic in occupational therapy.

**6354 TRANSDISCIPLINARY INTERVENTION WITH YOUNG CHILDREN** Development of the Individual Family Service Plan (IFSP) is examined. Professionals from involved disciplines will discuss transdisciplinary strategies and materials used with young children with special needs in a variety of settings. Prerequisite: OTHY 6330 or permission of instructor. On demand.

**6360 OCCUPATIONAL THERAPY IN PUBLIC SCHOOLS** Occupational therapy services within the context of the public school environment are examined. Students develop advanced knowledge of the implication of the Individuals with Disabilities Education Act on occupational therapy service delivery, to include education-related assessments and collaborative consultation. Prerequisite: Enrolled in OT master's program. On demand.

**6365 CURRENT ISSUES AND TRENDS IN OCCUPATIONAL THERAPY** Identification and analysis of current issues and trends in occupational therapy and the health care environment. Recent changes and future projections for occupational therapy practice and education are discussed. Prerequisite: Enrolled in OT master's program. On demand.

**6370 ADVANCED SPLINTING IN OCCUPATIONAL THERAPY** The fabrication and treatment progression for selected dynamic splints/casts utilized with individuals with joint range of motion impairments. Prerequisite: Enrolled in OT master's program. On demand.

**6621 FIELD EXPERIENCE I** Integration and application of academically acquired knowledge in an occupational therapy setting with emphasis on a medical model service-delivery system. Prerequisite: Approval of graduate faculty. Spring, summer, fall.





**5403 HUMAN PHYSIOLOGY** A comprehensive survey of physiology as the scientific basis of clinical practice.

**6240 PATHOLOGY II** A continuation of Pathology I with concentration on diseases of organ systems. An understanding of the manifestations, impact on rehabilitation, and recognition of emergencies and conditions requiring medical intervention are emphasized in this course. Admission to Graduate Physical Therapy 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.

**6305 FUNDAMENTAL SKILLS IN PHYSICAL THERAPY** 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, accessibility and architectural barriers and other selected topics related to patient care in physical therapy. Admission to Graduate Physical Therapy 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.

**6316 THERAPEUTIC AGENTS** Application and physiological principles of physical agents, mechanical modalities, and massage in patient treatment. Emphasis on utilization of these therapeutic agents based on patient diagnosis, practical applications, physiological effects, indications, contraindications, and scientific evidence. Admission to Graduate Physical Therapy Program.



**6408 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.

Admission to Graduate Physical Therapy Program.

**7203 PATIENT MANAGEMENT I** Introduction to the Guide to Physical Therapist Practice and health care models of patient management. Introduction to evidence based practice, theory and different sources of knowledge, legal practice standards (HIPAA and confidentiality), critical thinking and decision making as it relates to clinical practice. Emphasis will be placed on taking a comprehensive patient history and analyzing patient cases. Included in the course will be observation of physical therapy in the clinical setting and analysis of the observation experience.

Admission to Graduate Physical Therapy Program.

**7205 PROFESSIONALISM IN PHYSICAL THERAPY** Discussion of contemporary topics affecting and influenced by physical therapy. Issues that deal with professionalization and socialization will be discussed. The structure and role of professional organizations in physical therapy will be presented. Admission to Graduate Physical Therapy 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.

**7208 PATIENT MANAGEMENT II** Builds on the information on the patient management model presented in Patient Management I by placing the emphasis on documentation, including the influence of the different reimbursement entities. Introduces students to examination, evaluation, diagnosis, prognosis, and plan of care as these relate to patient management and appropriate documentation in the health care environment. Admission to Graduate Physical Therapy 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.

**7215 PROFESSIONAL MANAGEMENT** This course is presented fully on-line. A course developed for assessing

and addressing management of the business of physical therapy and the administration of services in all settings across the health care continuum. The student will examine varying healthcare delivery systems, comparisons of practice business models, liability issues and risk management, business planning and expectations, and the technology available to increase efficiency and effectiveness in all areas of practice. The students will also develop strategies for effective marketing for all practice settings and consultation skills for the physical therapy professional.

**7217 PROFESSIONAL SELF-ASSESSMENT** This course provides for the use of a portfolio process for self-assessment of professional knowledge and skills, for decision-making regarding course work to be completed in a post-professional curriculum, and for communication of assessment results with faculty. Prerequisites: Acceptance into a graduate program in physical therapy or permission of instructor. This course will be delivered on line. Admission to Graduate Physical Therapy Program.

**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.

**7228-7528 CLINICAL EDUCATION PRACTICUM IN PHYSICAL THERAPY** A full-time supervised clinical education experience 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. The course must be satisfactorily repeated to complete a minimum of 20 credit hours. The usual sequence will be 7228, 7328, 7528, 7528, 7528, and at least a 3.0 GPA for courses in the professional curriculum.

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Therapy Program.

**7305 SCIENTIFIC BASES FOR MOTOR CONTROL AND DEVELOPMENT**



Therapy Program.

**7314 APPLIED HISTOLOGY AND PHYSIOLOGY** This course contains content related to normal and abnormal histology and physiology concerning varied body systems and interrelationships between the systems. This course also includes content on appropriate histologic findings, laboratory values and diagnostic tests for pathologies common in physical therapy practice. This course will be delivered on-line.

**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 includes 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.

**7320 RESEARCH METHODS IN PHYSICAL THERAPY** An advanced course designed to examine clinical research as a method of answering questions in a systematic and objective way to analyze clinical outcomes, methods of practice, and relationships among clinical phenomena. This course will be delivered on line. Admission to Graduate Physical Therapy Program.

**7321 EFFICACY IN PHYSICAL THERAPY PRACTICE** This course provides a supervised advanced clinical experience in physical therapy using research-based assessment and intervention.

**7322 EVIDENCE BASED PRACTICE** This course examines sources of knowledge for effectiveness in patient/client management for the four practice areas: musculoskeletal, neuromuscular, integumentary, and cardiopulmonary. Students study systems for evaluating evidence and knowledge--through online activities, readings, lectures/discussions--and applying concepts to patient screening, examination, evaluation, assessment, diagnosis, and prognosis. This course will be delivered on line. Admission to Graduate Physical Therapy Program

**7323 EFFICACY IN PHYSICAL THERAPY PRACTICE** This course examines sources of knowledge for effectiveness in patient/client management for the four practice areas: musculoskeletal, neuromuscular, integumentary, and cardiopulmonary. Students study systems for evaluating evidence and knowledge--through

networked activities (requiring computer), readings, lectures/discussions--and for applying concepts to the plan of care, interventions, and outcomes assessment. This course will be delivered on line. Admission to Graduate Physical Therapy Program.

**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.



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.

**7388 LIFESPAN MOTOR DEVELOPMENT** Study of development from birth to death with emphasis on movement pattern changes. Students demonstrate skill in movement assessment of normally developing children and adults, in recognition of pathological development occurring in various diagnostic categories, and in age-appropriate treatment regimens for specific movement disorders. Admission to Graduate Physical Therapy Program.

**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.

**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.

**7408 CLINICAL ELECTROPHYSIOLOGICAL INTERVENTION** A study of the instrumentation, techniques of application, and clinical uses of electricity and electrotherapeutic modalities in physical therapy intervention for selected impairments and conditions. Emphasis is placed on clinical decision making regarding selection and application of an electrotherapeutic device in an effective and clinically acceptable manner based on patient diagnosis, knowledge of the instrumentation, indications, contraindications, physiological effects of the treatment, goals of the patient, and scientific evidence. Course includes introduction to electroneuromyography. Admission to Graduate Physical Therapy Program.

**7410 NEUROMUSCULAR PHYSICAL THERAPY: COMPLEX** Evaluation and treatment of patients with multiple

sclerosis, Parkinson's disease, cancer, Charcot-Marie Tooth, and amyotrophic lateral sclerosis. The principles of orthotics and prosthetics design and management are also presented. Admission to Graduate Physical Therapy Program.

**7505 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.

**7515 NEUROMUSCULAR PHYSICAL THERAPY: INFANCY TO ADOLESCENCE** 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 NEUROMUSCULAR PHYSICAL THERAPY: ADULT** Study of specific progressive and non-progressive

## [1] Graduate Courses in Counseling (COUN)

**6302 SEMINAR IN SCHOOL TESTING** Discussion pertaining to testing, using standardized measuring devices in the areas of intelligence, interests, personality, and special aptitudes. On demand.

**6305 SEMINAR IN SCHOOL COUNSELING** Designed to provide counselor trainees with the opportunity to explore topics fundamental to guidance services. Prerequisite: Consent of instructor. On demand.

**6307 PRACTICUM IN SCHOOL COUNSELING I** Supervised experience in counseling. Prerequisite: Consent of instructor. Must make arrangements prior to registration. Fall.

**6308 PRACTICUM IN SCHOOL COUNSELING II** Supervised experience in counseling. Prerequisite: Consent of instructor. Must make arrangements prior to registration. Spring.

**6315 CURRENT PRACTICES IN WORKFORCE EDUCATION** Survey of vocational education practices for school counseling personnel. On demand.

**6322 ORGANIZATION AND MANAGEMENT OF GUIDANCE PROGRAMS** Overview of various facets of school guidance, including organization, philosophical, and psychological foundations. On demand.

**6334 ANALYSIS OF THE INDIVIDUAL** Appraisal of the individual through objective tests, interviews, and other data gathering devices. Fall.

**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. On demand.

**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. On demand.

**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. On demand.

**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. On demand.

**6382 PRACTICUM IN COUNSELING II** Continuation of COUN 6381. Prerequisite: COUN 6381 and consent of instructor. Must make arrangements prior to registration. On demand..

**6395 PRACTICUM IN MARRIAGE AND FAMILY THERAPY** Supervised counseling practicum experiences with family systems and subsystems. On demand.

**6642S INTERNSHIP IN COUNSELING** On-the-job experience in counseling. Prerequisite: Practicum experience and successful completion of comprehensive exams. On demand.

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## Psychology and Counseling

Return to [Psychology and Counseling](#)

### [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. Fall, spring.

**6310 ADVANCED EDUCATIONAL PSYCHOLOGY** Examines the learning process with special emphasis upon learning and motivation in school settings. On demand.

**6311 PRINCIPLES OF PSYCHODIAGNOSIS** Addresses the integration and formal reporting of clinical data and translation of data into psychological concepts. Prerequisite: Consent of instructor. On demand.

**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. Fall, spring

**6314 PSYCHOPATHOLOGY** Surveys behavior disorders, their origins, diagnostic criteria, clinical correlates, and treatment. Prerequisite: PSYC 4320 or 5320. Spring.

**6315 APPLIED BEHAVIOR ANALYSIS** Provides knowledge and skills in functional behavioral assessment and intervention. Fall.

**6316 PSYCHOPATHOLOGY AND DEVELOPMENTAL DISORDERS IN CHILDHOOD** Surveys the etiology, assessment, and treatment of child psychopathology and developmental disorders in children. On demand.

**6325 DIAGNOSIS AND TREATMENT OF ADDICTIONS** Examines the theoretical, research, and treatment issues in the major addictions. On demand.

**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. Spring.

**6331 RESEARCH DESIGN** Covers the design and analysis of educational and psychological research. Prerequisite: PSYC 6330. Fall.

**6332 SCHOOL PSYCHOLOGY PRACTICUM I** Engages the student in a wide range of school psychological services under supervision. Fall.

**6333 SCHOOL PSYCHOLOGY PRACTICUM II** A continuation of School Psychology Practicum I. Prerequisite: PSYC 6332. Spring.

**6335 IDENTIFICATION AND REMEDIATION OF LEARNING PROBLEMS** Surveys issues and procedures regarding the diagnosis and remediation of learning problems. Summer.

**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. Fall.

**6354 THEORIES OF PSYCHOTHERAPY AND COUNSELING** Provides an overview of the major theoretical approaches to psychotherapy, including a critical evaluation of each theory. Fall.

**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. Fall, Summer.

**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. Fall.

**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. Fall, spring.

**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. On demand.

**6363 ADVANCED SOCIAL PSYCHOLOGY** Surveys classic and contemporary research on how we perceive,

physiology are important components of the course. On demand.

**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. Fall.

**6376 PSYCHOEDUCATIONAL ASSESSMENT II** Provides a continuation of Psychoeducational Assessment I with emphasis on special populations, problems, and procedures. Prerequisite: PSYC 6313. On demand.

**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. On demand.

**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. On demand.

**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.

**6642 INTERNSHIP IN PSYCHOLOGY** Prerequisite: 54 semester hours in school psychology or 57 semester hours in counseling psychology. Successful completion of comprehensive examinations. Fall, spring.

**6643 THESIS** Prerequisite: Consent of advisor and department da20duD (in counseling psychology. ShTERNSHIP IN

**7310 BEHAVIORAL AND EMOTIONAL ASSESSMENT OF CHILDREN** Required for graduate students in the school psychology programs; an elective 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. Spring.

**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.

**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.

**9110-9910 DISSERTATION IN SCHOOL PSYCHOLOGY** 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 SCHOOL PSYCHOLOGY** Provides doctoral students with full-time direct supervised experience in the practice of school psychology. Prerequisite: Successful completion of pre-internship requirements including comprehensive examinations. Fall.

**9606 DOCTORAL INTERNSHIP IN SCHOOL PSYCHOLOGY** Continues PSYC 9605. Provides doctoral students with full-time direct supervised experience in the practice of school psychology. Prerequisite: Successful completion of pre-internship requirements including comprehensive examinations. Spring.

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## **SPEECH-LANGUAGE PATHOLOGY**

Return to [Speech-Language Pathology](#)

### **[1] Graduate Courses in Speech-Language Pathology (SPTH)**

**5220 DIAGNOSIS AND PLANNING** Practice in writing and interpreting a variety of reports used in the field of speech-language pathology. Planning goals for therapy from these reports will also be emphasized. Spring.

**5307 ADVANCED SIGN LANGUAGE** Emphasis placed on expressive and receptive use of American Sign Language (ASL). A written paper required on research about ASL. On demand.

**5310 ASSISTIVE TECHNOLOGY** The use of assistive technology to promote greater independence for individuals with disabilities. Fall, spring.

**6101 CLINICAL SEMINAR I: ORIENTATION** 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. On demand.

**6103 CLINICAL SEMINAR III: PUBLIC SCHOOLS** Policies and procedures for the provision of speech therapy services employed in Arkansas public schools including assessment procedures, due process, and the integration of the therapy program into the academic setting. Prerequisite: Consent of instructor. On demand.

**6104 CLINICAL SEMINAR IV: MEDICAL SETTING** Clinical procedures with adults including individuals with traumatic brain injury (T.B.I.), aphasia, and other neurological disorders. This course will also address family counseling. Prerequisite: Consent of instructor. On demand.

**6105 CLINICAL SEMINAR V: EVIDENCE-BASED PRACTICE** This course covers the relationship between research and clinical practice in speech-language pathology and includes a heavy focus on evidence-based practice. Fall, Spring.

**6120 MULTICULTURAL ISSUES IN SPEECH-LANGUAGE PATHOLOGY** The study of the general concepts of multiculturalism and the specific ways in which it influences health science related fields and the practice of speech-language pathology. On demand.

**6216 CLEFT PALATE AND VELOPHARYNGEAL INCOMPETENCE** The etiology, assessment, and treatment of those clients exhibiting cleft palate, velopharyngeal incompetence, and other oral-facial anomalies. Prerequisite: Graduate status. Fall, Spring, Summer.

**6220 FLUENCY DISORDERS** Advanced study of fluency disorders including clinical and experimental aspects. Summer.

**6225 VOICE DISORDERS** Voice pathologies including evaluation techniques and specific remediation procedures for patients with voice disorders. Fall, Spring.

**6227 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: SPTH 6314 or consent of instructor. Spring, summer.

**6235 ASSESSMENT AND INTERVENTION FOR CHILDREN WITH SEVERE DISABILITIES** An elective for

**6314 ADULT SWALLOWING AND SWALLOWING DISORDERS** Normal and disordered adult swallow processes. There will be an emphasis on dysfunction, etiology, assessment, and intervention. Prerequisite: Graduate status. Fall, Spring.

**6316 DATA ANALYSIS** Coverage of data analysis techniques which 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: SPTH 6302. Spring.

**6317 AUGMENTATIVE/ALTERNATIVE COMMUNICATION** Study of the clinical practice of facilitating communication through augmentative and alternative means for individuals with severe expressive (speech/ language and written) communication disorders. Prerequisite: Graduate status. Fall.

**6330 TRANSDISCIPLINARY and collaborative practices** Examines the concept and practice of collaboration and transdisciplinary teaming in providing appropriate services to young children with disabilities. Prerequisite: Graduate Status. Summer.

**6336 THESIS** This phase of the thesis process includes the completion of the data collection, writing and discussing the results, and defending the thesis. Prerequisite: SPTH 6302, 6316. On demand.

**6345 TOPICS IN SCHOOL-AGE LANGUAGE DISORDERS** Current literature, assessment, and intervention techniques for school-age language learners will be reviewed. Fall, Spring.

**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: SPTH 6330 or consent of instructor. On demand.

**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. Summer, fall.

**6180, 6280, 6380, 6480, 6580, 6680 ADVANCED CLINICAL PRACTICUM I** Supervised participation in evaluation and therapeutic management of a variety of communication disorders. Variable credit. Assignments based on prerequisite course work and experience. Prerequisite: Minimum 3.00 GPA prior semester. Fall, spring,

summer.

**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. Prerequisite: Advanced Clinical Practicum I and minimum 3.00 GPA prior semester. Fall, spring, summer.

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## COMMUNICATION SCIENCE AND DISORDERS

Return to [Communication Science and Disorders](#)

### [1] Graduate Courses in Communication Sciences and Disorders (SPTH)

**SPTH 7103-7603 Research Project** 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 8104.**

**SPTH 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 8190.**

**SPTH 7101-7601 Teaching Internship** This course provides doctoral students with supervised experience in academic instruction. **UAMS-ASP 610V; UALR-AUSP 8110.**

**SPTH 7102-7602 Supervision Internship** This course provides doctoral students with supervised experience in clinical supervision/instruction. **UAMS-ASP 611V; UALR-AUSP 8111.**



**SPTH 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.**

**SPTH 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



writers, literary movements, or particular sub-genres. May be taken only once without approval of the department chair. On demand.

**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. On demand.

**5311 THE NEOCLASSICAL PERIOD** Major writers from the Restoration to the end of the eighteenth century. On demand.

**5312 AMERICAN PROVINCIAL LITERATURE** American literature from its beginnings to 1830. On demand.

**5313 AMERICAN ROMANTICISM AND REALISM** The major works in American Romanticism, 1830-1900. On demand.

**5315 TWENTIETH-CENTURY AMERICAN POETRY** Major poetry by American authors of the twentieth century. On demand

**5320 THE ROMANTIC PERIOD** English Romanticism from its eighteenth-century precursors through major Romantic writers of prose and poetry. On demand.

**5321 THE VICTORIAN PERIOD** Poetry and prose of major English writers of the latter part of the nineteenth century. On demand.

**5330 SHAKESPEARE I** A critical survey of representative Shakespearean comedies, tragedies, history plays, and the sonnets. On demand.

**5331 SHAKESPEARE II** Similar to Shakespeare I, using other plays in each of the several genres, and the narrative poems. On demand.

**5340 CHAUCER** Chaucer's major works viewed against the background of medieval life and thought. On demand.

**5341 MILTON** Milton's major poems and selected prose viewed against the background of seventeenth-century life and thought. On demand.

**5342 THE SEVENTEENTH CENTURY** Non-dramatic writings from 1603 to 1660, exclusive of Milton. On demand.

**5343 TUDOR-STUART DRAMA** Representative plays of the late sixteenth and early seventeenth centuries,

exclusive of Shakespeare. On demand.

**5344 ENGLISH DRAMA: 1660-PRESENT** English drama from the reopening of the theaters in 1660 to the present. On demand.

**5352 AMERICAN MODERNISM, 1900-1945** American literature from 1900 to 1945. On demand.

**5353 AMERICAN POSTMODERNISM, 1946-PRESENT** American literature from the end of World War II to the present. On demand.

**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. Annually.

**5361 LITERATURE FOR ADOLESCENTS** Literature for adolescent readers and exploration of motivational approaches to teaching literature in secondary schools. Annually.

**5362 SOUTHERN LITERATURE AND FOLKLORE** An elective for MA and Diverse Literatures GC students. 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. On demand.

**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. On demand.

**5370 WOMEN'S LITERATURE** An elective for MA or Certificate in Diverse Literatures 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. On demand.

**5372 EIGHTEENTH-CENTURY ENGLISH NOVEL** Major English novels of the eighteenth century. On demand.

**5373 NINETEENTH-CENTURY ENGLISH NOVEL** Major English novels of the nineteenth century. On demand.

**5374 TWENTIETH-CENTURY ENGLISH NOVEL** Major English novels of the twentieth century. On demand.

**5375 TWENTIETH-CENTURY ENGLISH POETRY** Major poetry by English authors of the twentieth century. On demand.

**5380 AFRICAN AND AFRICAN-AMERICAN LITERATURE** Survey of African and African-American literature from the eighteenth century to the present. Annually.

**5381 MAJOR AFRICAN/AFRICAN-AMERICAN WRITERS** An elective for MA and Diverse Literatures GC 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. On demand.

**5382 RACE IN AMERICAN LITERATURE** An elective for MA and Diverse Literature GC students. The course will explore the depictions of racial definitions, identities, and conflicts offer oraL0 -nWGC e forgouspictstiulture, although t  
**ratures GC 53ROMANTICISM LITERATURE**ratures GC 53**THE VICTORIE IP RAOD LITERATURE**  
**region. On demand.53MODERNISM LITERATURE**



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 only one time.

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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 WebCT. Prerequisite: GEOG 5310 or 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 megaproblems. 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. Summer.

**5328 SPATIAL ANALYSIS AND MODELING** Through readings, computer exercises, and projects, the course



software. Contact the Chair of the Geography Department for necessary information. The course is facilitated through WebCT. 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 WebCT. Prerequisite: GEOG 5310 or consent of instructor.

**6320 TECHNICAL ISSUES IN GEOGRAPHIC INFORMATION SYSTEMS** /TT0 1 Tf ( Through readings, c, w

anal or consent of instructor.

## HISTORY

Return to [History](#)

### [1] Graduate Courses in History (HIST)

**5301 STUDIES IN ENVIRONMENTAL HISTORY** Examines the changing relationship between humans and their environment. Topics include European, American, and/or World history including territorial expansion, religion, race, and gender as they relate to the environment. On demand.

**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. On demand.

**5305 LATIN AMERICA THROUGH HISTORY, FILM, AND LITERATURE** This course uses film, literature, and historical readings to study major themes in the development of Latin American society. On demand.

**5308 AMERICAN WOMEN'S HISTORY** Examines the history of American women from the colonial period to the present. Emphasis on class, race, and ethnic differences. On demand.

**5309 WOMEN IN EUROPEAN HISTORY** This survey uses a variety of primary and secondary sources to study the role of women and gender in European history. On demand.

**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. On demand.

**5318 ARCHAEOLOGY AND HISTORY OF SOUTHWEST NATIVE AMERICAN CIVILIZATIONS** This course provides an overview of the Native American civilizations of the American Southwest to about 1800. Various methodologies for studying the period and area will be employed, including archaeology, ethnography, and historical linguistics. The focus of the course will be on the Anasazi, Hohokam, Mississippian, Mogollon, Salado, and Sinagua civilizations. On demand.

**5322 EARLY NATIONAL HISTORY, 1783-1850** From the winning of independence to the Compromise of 1850. Topics examined include the constitutional convention, the growth of political parties, territorial expansion, and sectional tensions. On demand.

**5325 AMERICAN LIFE AND THOUGHT TO 1865** Political and social thought and cultural trends from the Puritan era to the Civil War period. On demand.

**5326 AMERICAN LIFE AND THOUGHT SINCE 1865** Political and social thought and cultural trends since 1865. On demand.

**5327 THE AMERICAN WEST** Influence of the frontier and of western expansion on the history of the United States. On demand.

**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. On demand.

**5330 CIVIL WAR AND RECONSTRUCTION, 1850-1877** Examination of the sectional stress that split the Union in 1861 and led to the formation of the southern Confederacy, its defeat, and the reunification of the nation. Fall.

**5332 A HISTORY OF THE CRUSADES** The history of European interactions with Asia, northern Africa, and eastern Europe, 1000-1300, centering on crusading. On demand.

**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. On demand.

**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. On demand.

**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. On demand.

**5345 THE SOUTH TO 1865** Survey of the old South, with an emphasis on southern nationalism, slavery, politics, and social and intellectual developments. On demand.

**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. On demand.

**5347 CULTURAL AND INTELLECTUAL HISTORY OF MODERN EUROPE** A study of the inter-relationships among the arts, science, religion, and social change in Europe since 1648. On demand.

**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. On demand.

**5353 INTER-AMERICAN RELATIONS** A historical review of political, economic, and cultural relationships between the United States and Latin America, with special attention to the period from 1898 to the present. On demand.

**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. Fall, spring, summer.

**5358 RECENT AMERICAN HISTORY** The political, social, cultural, diplomatic, and economic history of the United States from 1960 to the present. On demand.

**5360 BIRTH OF EUROPE, 300-1000** European political, social, economic, religious, and intellectual development from the establishment of Christianity as an officially sanctioned religion to the dawn of the feudal age. On demand.

**5361 MEDIEVAL CIVILIZATION, 1000-1400** European political, social, economic, religious, and intellectual development during the High Middle Ages. On demand.

**REPUBLICAN AND STEWART ENGLAND 1450-1688** A survey of the political, religious, social, s between uaj 0 -RELAT

centuries, concluding with the French Revolution. On demand.

**5379 SPAIN: CRUSADE, COLUMBUS, AND EMPIRE** Major factors in the rise and decline of Iberia during the early modern era, plus an examination of early exploration and colonialism. On demand.

**5380 CZARIST RUSSIA** Russian history from its beginning to 1917. Fall.

**5381 MODERN CHINA** Chinese history in the nineteenth and twentieth centuries. On demand.

**5382 RUSSIA SINCE 1917** Russian history from the revolutions of 1917 to the present. Spring.

**5383 MODERN JAPAN**

**6302 THESIS RESEARCH** On demand.

**6303 SELECTED TOPICS FOR GRADUATE STUDENTS IN HISTORY** Examination of a specified topic in American, European, African, Asian, or Latin American history. (This course can be repeated for credit and may be counted as either United States or World History.) On demand.

**6323 COLONIAL AND REVOLUTIONARY AMERICA, 1492-1789** Principal interpretive problems of the Colonial and Revolutionary eras. On demand.

**6324 NINETEENTH-CENTURY AMERICA** The changing nature of American life and era of Jefferson to the dawn of the American century. On demand.

**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. On demand.

**6340 THE CONTEMPORARY WORLD** An intensive examination of post-war Europe. On demand.

**6341 STUDIES IN 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. On demand.

**6342 STUDIES IN EARLY MODERN EUROPE, 1450-1789** Europe from the Renaissance to the fall of the Ancient Regime with attention paid to political, social, and intellectual themes. On demand.

**6345 STUDIES IN MODERN EUROPE** Development of modern Europe with an emphasis on the world wars, failure of peace conferences, and the rise of the dictators. On demand.

**6350 SELECTED GRADUATE STUDIES IN AFRICAN AND ISLAMIC HISTORY** This course is intended for graduate students who wish to pursue more advanced and specialized studies in African and/or Islamic History. The course will be conducted as a research seminar. Hence, students will be expected to select a topic mutually agreed upon by themselves and the professor and to work independently, under the professor's tutelage, in researching and writing a final paper of publishable quality. On demand.

**6397 INDEPENDENT STUDY IN AMERICAN HISTORY** On demand.

**6399 STUDIES IN ASIAN HISTORY** On demand.

## SPANISH

Return to [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. On demand.

**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

consider the implications of sociolinguistics, semantics, and linguistic variation. On demand

**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. On demand.

**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. On demand.

**6301 APPLIED SPANISH LINGUISTICS** Phonological, morphological, and syntactical problems encountered by the teacher of Spanish. On demand.

**6302 ADVANCED SPOKEN AND WRITTEN SPANISH** Intensive practice in speaking and writing Spanish. On demand.

**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. On demand.

**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. On demand.



**6395 STUDIES IN SPANISH LITERATURE: THEME COURSE** Special topics on various genres, literary movements, or authors. May be repeated for credit under different topics. On demand.

**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. On demand.

**6398/6698 TRAVEL SEMINAR ABROAD** Intensive study in Mexico, Spain, or another approved Spanish-speaking country. Classes in Spanish grammar, conversation, history, literature, culture, and contemporary topics. Summer only.

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Philosophy and Religion.

### [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. On demand.

**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. Spring, Summer, Even years.

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### POLITICAL SCIENCE

UCA does not offer a graduate degree in Political Science.

### [1] Graduate Courses in Political Science (PSCI)

**5300 CONSTITUTIONAL LAW** The Constitution of the United States, focusing on the work of the United States Supreme Court. Prerequisite: POLS 130.3. Spring, Summer, Even years.

**53501 CIVIL LIBERTIES** A historical and contemporary study of civil liberties in the United States. Prerequisite: POLS 130.3. Spring, Summer, Even years.

### 53534 THE AMERICAN PRESIDENCY

**5336 CITY GOVERNMENTS AND POLITICS** Large and small city governments in the United States and Arkansas. Government institutions that make local policies are examined, as are the following problem areas: taxing, spending, revenue-sharing, education, police, crime, and welfare. Prerequisite: PSCI 1330. Spring, odd years.

**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. On demand.

**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.

**5199-5399 STUDIES IN POLITICAL SCIENCE** Independent studies course in political science designed to meet the individual needs of a student. Credit from one to four hours may be earned in one semester. The work is chosen by the student and the tutor with the approval of the department chair. Prerequisite: Consent of instructor and department chair. On demand.

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## **SOCIOLOGY**

UCA does not offer a graduate degree in Sociology.

### **[1] Graduate Courses in Sociology (SOC)**

**5300 SOCIOLOGY OF RELIGION** An elective for graduate students. 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. Consent of instructor. Spring.

**5301 SOCIAL MOVEMENTS AND SOCIAL CHANGE** An elective for graduate students. An examination of the role played by 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. Consent of instructor. Spring.

**5310 CRIMINOLOGY/VICTIMOLOGY** This course examines the social correlates of crime in the United States. It explores crime data and data collection strategies; applies criminological theory to explain variations in criminal behavior that are observed at individual, group, community, and societal levels; examines strategies of crime prevention; and analyzes research evaluating the effectiveness of prevention strategies. On demand.

**5321 SOCIAL POLICY ANALYSIS** An elective for graduate students. 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. Consent of instructor. Summer, on demand.

**5322 SOCIOLOGY OF MENTAL ILLNESS** An elective for graduate students. This course compares and contrasts the major theoretical paradigms which account for mental illness; investigates the social factors influencing the demand; and introduces the theoretical correlates of mental illness. On demand.

on detailed discussions of public and private insurance programs and policies. Lecture and discussion. Consent of instructor. Fall.

**5341 POPULATION** An elective for graduate students. 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. Consent of instructor. Summer, on demand.

**5342 STRATIFICATION** An elective for graduate students. This course focuses on theoretical explanations of stratification that result in the unequal distribution of wealth and income in society. Recent historical and contemporary research describing the nature of inequality by social classes as it relates to race, ethnicity, and gender are explored. Lecture and discussion. Consent of instructor. Fall.

**5343 HEALTH STRATEGIES FOR MULTICULTURAL POPULATIONS** An elective for graduate students. 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. Lecture and discussion. Consent of instructor. Spring.

**5351 FAMILY DIVERSITY** An elective for graduate students. 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. Consent of instructor. Summer, on demand.

**5360 SEMINAR** An elective for graduate students. This course assists the student in the completion of a unique research project that was proposed in SOC 3320. Additional emphasis will be placed on research evaluation, resume construction, and career and educational opportunities for sociology graduates. Lecture and discussion. Consent of instructor. Fall, spring.

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## WORLD LANGUAGES

### [1] Graduate Courses in World Languages (WLAN)



**5171, 5271, 5371, 5471 INDEPENDENT STUDY** Individual work under supervision, designed to supplement regularly organized courses in biology, and independent thesis research. On demand.

**5210 SEMINAR IN BIOLOGY** Ideas, concepts, philosophies, and trends in biological science. Prerequisite: Consent of instructor. On demand.

**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. Spring.

**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. Fall, summer.

**5320 NEURODEVELOPMENT AND PATHOLOGY** This course examines current issues in neuropathology with emphasis on disorders and development of the mammalian central nervous system. Lecture only. Prerequisite: BIOL 2490. On demand.

**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. Spring.

**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. On demand.

**5390, 5490 SPECIAL TOPICS IN BIOLOGY** This course examines diverse subjects that would otherwise be unavailable through traditional course offerings. Topics will vary. On demand.

**5400 HISTOLOGY** Surveys the microscopic anatomy of the vertebrate body. Fall.

**5401 INVERTEBRATE ZOOLOGY** Survey of the classification, functional morphology, and natural history of the invertebrate animals. Spring.

**5404 PLANT TAXONOMY** The identification, nomenclature, and classification of vascular plants dealing largely with Arkansas flora; emphasis on plant families. Fall.

**5405 DEVELOPMENT** This course examines the development of the vertebrate body. Prerequisite: BIOL 2405, 2407, 4460, or consent of instructor. Spring. 3 credits.

embryogenesis. Lab work includes experimental manipulation of vertebrate and invertebrate embryos. Spring.

**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. Alternate spring semesters.

**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. Fall, spring.

**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). Spring, summer.

**5420 GENERAL MICROBIOLOGY** Basic concepts of bacteriology, virology, mycology, protozoology, molecular biology, immunology, and pathogenic microbiology. Fall, spring.

**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. Fall.

**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). Fall.

**5430 COMPARATIVE VERTEBRATE ANATOMY** Comparative gross anatomy of the vertebrates. Laboratory work includes dissection of the dogfish shark, *Necturus*, and cat. Spring.

**5435 ANIMAL BEHAVIOR** Analysis of animal behavior from an ecological and evolutionary perspective. Prerequisite: MATH 2311 or equivalent. Spring.

**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. Alternate fall semesters.

**5445 BIOMETRY** Applied biological statistics with an emphasis on experimental design and data analysis. Prerequisite: MATH 2311 or equivalent. Spring.

**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. On demand.

**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. Spring.

**5461 PARASITOLOGY** A course designed to familiarize students with the taxonomy, morphology, ecology, and life cycles of animal parasites. Alternate spring semesters.

**5470 BIOLOGY OF SEED PLANTS** Life cycles, external structure, anatomy of gymnosperms and angiosperms. Alternate spring semesters.

**5530 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 3402 or CHEM 4320. Alternate spring semesters.

**5540 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. Alternate spring semesters.

**6101, 6201, 6301 THESIS RESEARCH** A maximum of six credit hours will count towards a degree. On demand.

**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. Fall, spring.

**6171, 6271, 6371, 6471 INDEPENDENT STUDY** Individual work under supervision, designed to supplement regularly organized courses in biology, and independent thesis research. On demand.

**6195, 6295, 6395, 6495 SPECIAL TOPICS IN BIOLOGY** This course examines diverse subjects that would otherwise be unavailable to graduate students through traditional course offerings. Topics will vary. On demand.

**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. On demand.

**6330 HISTORY OF BIOLOGY** A cultural history of biological science from the pre-Socratic Greeks to the present time. Alternate fall semesters.

**6430 PROTEIN AND ENZYME BIOLOGY** In-depth study of proteins and enzymes, including protein engineering. Emphasis is placed on the laboratory experience. On demand.

**6440 ADVANCED DEVELOPMENTAL BIOLOGY** Advanced studies of animal and plant development at the molecular, cellular, and tissue levels. On demand.

**6442 AQUATIC ECOLOGY** A study of the physical, chemical, and biological characteristics of bodies of water and the interrelationships of these characteristics. On demand.

**6443 ADVANCED ECOLOGY** Contemporary ideas and practices in several subdisciplines within ecology. Prerequisite: BIOL 3403. On demand.

**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. Alternate fall semesters.

**6455 REGULATORY PHYSIOLOGY** Some environmental influences on animals and plants and their responses to these influences. Prerequisite: BIOL 4450 or 4460. On demand.

**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. On demand.

**6382 RECENT ADVANCES IN MOLECULAR BIOLOGY** Literature-based course focused on molecular and cellular biology. Alternate fall semesters.

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## BIOLOGY

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### [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.



## COMPUTER SCIENCE

Return to [Applied Computing](#)

### [1] Graduate Courses in Computer Science (CSCI)

**5191 SEMINAR IN APPLIED COMPUTING** Investigation of current development in applied computing by attending and giving presentations supervised by a graduate faculty member. May be repeated for credit with instructor's permission. 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, 3350 or equivalent.

**5310 INTRODUCTION TO SCIENTIFIC COMPUTING** Topics in modeling scientific computing problem, algorithm development, numerical methods, software tools, and implementation. Prerequisite: 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 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 4300 or equivalent.

**5353 MULTIMEDIA COMPUTING** This course covers the concepts, principles, and state-of-the-art technologies



**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 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 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 or equivalent.

**6395 INDEPENDENT STUDIES** 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.

**6X99 MASTER'S PROJECT/THESIS** This course is intended to meet the project/thesis requirement for the degree. Topics are chosen in consultation with an advisor. Variable credit. Up to six credit hours may be applied toward the degree. Prerequisite: 18 hours of credit applicable toward the degree.

Graduate Bulletin

Document Number 4.06.03

## APPLIED MATHEMATICS

## MATHEMATICS EDUCATION

Return to [Mathematics Education](#)

Return to [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). Fall.

**5305 APPLIED MATHEMATICS I** 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: Mathematics Software (MATH 1191), Linear Algebra (MATH 3320), and Differential Equations (MATH 3331). Fall.

**5306 APPLIED MATHEMATICS II** This course serves as an elective course for the M.A. in mathematics

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. On demand.

**5340 NUMERICAL METHODS** This course is a mathematics elective for the M.A. 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. Prerequisite: Calculus II (MATH 1592), Linear Algebra (MATH 3320), and Computer Science I (CSCI 1470) or equivalent knowledge of a computer language. Spring.

**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). Spring

**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). Fall.

**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. Spring.

**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). Fall.

**5372 INTRODUCTION TO STATISTICAL INFERENCE** This course is required for the M.A. degree, if not





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. Fall or Spring as needed.

**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. Fall or Spring as needed.

**6342 MATHEMATICAL MODELING** This course serves as an elective for the M.A. in mathematics education and involves 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. Spring or Fall as needed.

**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. Annually.

**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. Annually.

**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. Summer.

**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 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, multivalued 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, 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.

**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.

**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. Summer.

**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.

**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. Summer.

**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. Spring.

**6380 SEMINAR** This course serves as an elective for the M.A. in mathematics education or M.S. in applied mathematics. The purpose of this course is to study a chosen area of advanced mathematics or mathematics education. May be repeated when the theme of the course is changed. Prerequisite: Consent of the instructor. Fall, Spring.

**6396 THESIS I** An elective for the MS degree in Applied Mathematics (thesis option).

**6397 THESIS II** An elective for the MS degree in Applied Mathematics (thesis option).

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## CHEMISTRY

or Corequisite: CHEM 4320 or 5320

**5290 CHEMICAL LITERATURE** Use of abstracts, journals, and reference books in chemistry. Practice in presentation of seminars. Prerequisite: CHEM 3411. Fall.

**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. Spring.

**5380 ADVANCED INORGANIC CHEMISTRY** Theories and concepts of modern inorganic chemistry. Prerequisite: CHEM 4450. Fall.

**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. Spring.



teacher education, consent of instructor, and approval of the student's advisory committee and the Graduate Committee. Fall.

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## GSMLA

Return to [Graduate School of Management, Leadership, and Administration](#)

### [1] Graduate Courses in Management, Leadership, and Administration (GSML)

Additional courses are listed with each program offered in the GSMLA.

**6116-6316 RESEARCH PROJECTS** (1-3 credits) Students will use research methods skills acquired in GSML 6315 by conducting individual research projects. Students will draw on their skills to write a review of literature, sample a target population, construct a research measure, administer the measure, construct the necessary database, and input and analyze data. Prerequisite: GSML 6315

**6301 PROJECT MANAGEMENT** This course will be taught from a non-profit managerial standpoint, it will also incorporate PERT charts, Gantt Scheduling, risk analysis, Work Breakdown Structures and other quantitative and/or information technological areas. The primary software used will be Microsoft Project 2000.

**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.

**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.

**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.

**6330 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.



**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.

**6310 AMERICAN HIGHER EDUCATION** The historical development of American higher education against the background of political, social, economic, cultural and intellectual issues will be examined from its founding to the present for contemporary application.

**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.

**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 ETHICS AND LAW IN HIGHER EDUCATION** The purpose of this course is to introduce the learner to the basic and current legal and ethical concepts that face American higher education today. Topics to be discussed will be the basis from which higher education law comes, current (case, state and regulatory) law, as well as risk management and liability issues for higher education.

**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.



by conducting individual research projects. Students will draw on their skills to write a review of literature, sample a target population, construct a research measure, administer the measure, construct the necessary database, and input and analyze data. Prerequisite: CED 6315

**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. Summer.

**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. Summer.

**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. Summer.

**6301 PROJECT MANAGEMENT** This course will be taught from a non-profit managerial standpoint, it will also incorporate PERT charts, Gantt Scheduling, risk analysis, Work Breakdown Structures and other quantitative and/or information technological areas. The primary software used will be Microsoft Project 2000.

**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. Fall.

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.

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## HEALTH SYSTEMS

Return to [Health Systems](#)

### [1] Graduate Courses for Health Systems (H SC)

**5305 TECHNOLOGY APPLICATIONS IN THE HEALTH SCIENCES** This course is designed to serve as an introduction to the uses of technology in the health sciences. Prerequisites: Students should be familiar with word processing, presentation graphics, electronic mail, spreadsheets, library information systems, and the World Wide Web.

**6301 DATA COMMUNICATIONS IN HEALTH SYSTEMS** This course involves a study of electronic data communications and networks. The course combines a presentation of the basic communication protocol stack and a health care management perspective of communication technology, networks, distributed processing, telephony, and telemedicine.

**6305 DATABASE MANAGEMENT FOR HEALTH SYSTEMS** The course assists students in understanding the theoretical and practical issues involved with data resources and databases in current use in different health care settings.

**6315 ADMINISTRATION OF HEALTH SERVICES ORGANIZATIONS** The course presents an overview of administration principles and challenges that may be applied to the changing health care delivery system.

**6320 INFORMATION SYSTEMS/MANAGEMENT SCIENCE IN HEALTH SERVICES** The course is designed to develop intelligent managers, researchers, and consumers of healthcare information technology through guided exploration into the components of healthcare information systems.

**6324 CURRENT ISSUES IN HEALTH SYSTEMS** The course offers current technologies such as client/server, internet/intranet initiatives, WWW development, and emerging roles of telecommunications in health care.

**6325 CLINICAL DOCUMENTATION/INFORMATION SYSTEMS IN SUPPORT OF PATIENT CARE** The course is concerned with the study of information processes and flows and computerized systems that support the clinical area. This includes examination of clinical information systems, signal and pattern processing applications, decision support, simulation, internal and external databases, and education/training.

**6340 STRATEGIC PLANNING FOR HEALTH SYSTEMS** The course addresses concepts, models, and managerial approaches in health information systems. Vertical integration, consolidation, strategic alliances, joint ventures, entrepreneurial start-ups, and specialized niche networks are included in this course.

**6670 HEALTH SYSTEMS INTERNSHIP** The course involves directed field experience in health systems within an advisor-approved health company/organization.

**6379 FOUNDATIONS OF RESEARCH IN HEALTH AND APPLIED SCIENCES** The course involves acquisition and development of student knowledge, skills, and expertise in basic and applied research methodology and design.

**6380 THESIS RESEARCH I** The course includes proposal and approval of a thesis topic, review of related literature, presentation and approval of a research design, and collection of pertinent data. On demand.

**6390 THESIS RESEARCH II** The course includes completion of data collection and analysis as well as writing and defending the thesis. On demand.

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## **EDUCATIONAL LEADERSHIP**

Return to [Educational Leadership](#)

### **[1] Courses in Educational Leadership (EDLP)**

**6324 SCHOOL PLANT PLANNING AND MANAGEMENT** A study of the school plant planning process and organization and administrative procedures for plant management. The course will be offered one time every two years.

**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. The course will be offered one time every two years.

**6327 RURAL SCHOOL LEADERSHIP** Identification and analysis of principles and concepts of school leadership in administration and instructional improvement to rural settings. Spring, summer.

**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.

**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. The course will be offered one time every two years.

**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. The course will be offered one time every two years.

**7115, 7215, 7315 DIRECTED SPECIALIST'S PROJECT** 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.

**7323 SCHOOL LAW AND SCHOOL OPERATIONS** Legal aspects of public and private schooling, federal and state legislative statutes and judicial decisions, with an emphasis on Arkansas pre-K-12 public education and a sound financial management plan for resources. The course will be offered one time every two years.

**7363 HUMAN RESOURCE MANAGEMENT** 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. The course will be offered one time every two years.

**7387 ORGANIZATIONAL CHANGE AND DEVELOPMENT** A study of various behavioral concepts found in organizational settings that have implications for leadership and management. The course will be offered one time every two years.

**7391 SUPERINTENDENT AS INSTRUCTIONAL LEADER** A study of the concepts, theories, and practices associated with instructional leadership provided by the school district superintendent. The course will be offered one time every two years.

**7130, 7230, 7330, 7430, 7530, 7630 INTERNSHIP IN THE SCHOOL SUPERINTENDENCY** Supervised on-the-job activities involved in the administration of a school district and the operations of the central office. The substantial, sustained, and standards-based internship experiences are designed to meet the individual needs of prospective school superintendents in synthesizing the knowledge base and honing leadership skills through application. The internship is an opportunity for candidates to develop skills integrating theory and practice in order to function effectively as educational leaders 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. A total of six internship credit hours is required for completion of the degree. Prerequisite: Successfully complete 6 credit hours.

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**SCHOOL LEADERSHIP**



Return to [School Leadership/SLMA](#)

## **[1] Graduate Courses in School Leadership, Management, and Administration (SLMA)**

### **6310 FOUNDATIONS OF SCHOOL LEADERSHIP**



The internship is an opportunity for candidates to develop skills integrating theory and practice in order to function effectively as program coordinators 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.

### [1.1] Internships

**6120 SCHOOL INTERNSHIP I** 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 SCHOOL INTERNSHIP II** 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 6430.

**6140 SCHOOL INTERNSHIP III** 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 6440.

**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 6450.

**6160 SCHOOL INTERNSHIP V** Part V 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 experiential learning and get t38d 7 t0SiSR. Co-p

## **[2] 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: [www.uca.edu/org/csddpc](http://www.uca.edu/org/csddpc) .

## **[3] 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.

## **[4] Graduation Requirements**

- Successful completion of an approved program of study as outlined above
- Successful completion of comprehensive examinations
- Successful completion of the dissertation

## **[5] Graduate Courses in Speech-Language Pathology (SPTH)**

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