

TABLE OF CONTENTS

2022 - 2023 Graduate Catalog.....	3
Introduction.....	3
Academic Calendar.....	6
Administration.....	6
Graduate Faculty.....	7
Fees & Charges.....	8
Student Services.....	10
Admission &	12
Graduation Requirements.....	18
Degree Programs.....	20
Doctor of Education Degree.....	20
Educational Specialist Degree.....	21
Master of Arts.....	23
Master of Arts in Teaching English to Speakers of Other Languages.....	24
Master of Arts in Multi-Media Journalism.....	26
Master of Arts in Teaching.....	28
Master of Business.....	30
Master of Education.....	34
Master of Education Program Requirements.....	34
Master of Education in Educational Leadership.....	35
Master of Education in Instructional Technology.....	37
Master of Education in K-12 Literacy.....	40
Master of Education in K-12 Special Education.....	41
Master of Education in School Counseling and Leadership.....	43
Master of Education in Teaching, Learning, and Leadership.....	44
Degree Programs.....	48
Master of Engineering in Electrical Engineering.....	48
Master of Engineering in Mechanical Engineering.....	49
Master of Liberal Arts.....	50
Master of Science in Emergency Management and Homeland Security.....	52
Master of Science in Fisheries & Wildlife Science.....	54
Master of Science in Health Informatics.....	56
Master of Science in Information Technology.....	57
Master of Science in Psychology.....	60
Master of Science in Kinesiology.....	62
Master of Science in Student Affairs Administration.....	64
Master of Science in Nursing.....	66
Master of Arts in History.....	68
Master of Arts in Organizational Development and Learning.....	70
Course Descriptions.....	72
All Graduate Courses.....	72
2022 - 2023 Graduate Catalog.....	136
Academic Information	136

2022 - 2023 GRADUATE CATALOG

INTRODUCTION

2023-2024 Graduate Catalog

Russellville, Arkansas
www.atu.edu

Arkansas Tech University, a state-supported institution of higher education, is dedicated to nurturing scholastic development, integrity, and professionalism. The University offers a wide range of traditional and innovative programs which provide a solid educational foundation for life-long learning to a diverse community of learners.

Accreditation

Arkansas Tech University is accredited by The Higher Learning Commission.

Program Accreditations

Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

Commission for Accreditation for Health Informatics and Information Management Education (CAHIIM) (Health Informatics Administrator)

C/O AHIMA
233 N Michigan Avenue, 21st Floor
Chicago, IL 60601-5800
(312) 233-1100

Computing Accreditation Commission of ABET

415 N. Charles Street
Baltimore, MD 21201
(410) 347-7700

Council for Accreditation of Educator Preparation (CAEP)

1140 19th Street, N.W.
Suite 400
Washington, DC 20036
(202) 223-0077

This accreditation covers the institution's initial teacher preparation and advanced educator preparations programs.

Council for the Accreditation of Emergency Management Education (CAEME) Formerly Foundation for Higher Education Accreditation (FFHEA) (Emergency Management and Homeland Security)

1589 Skeet Club Road
Suite 102-109
High Point, NC 27265
(336) 841-8015

Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT)

1401 Marvin Rd, NE
STE 307, #172
Lacey, WA 98516
(360)-205-2096

Council on Rehabilitation Education (CORE)

1699 E. Woodfield Road, Suite 300
Schaumburg, IL, 60173

(847) 944-1345

Engineering Accreditation Commission of ABET

415 N. Charles Street
 Baltimore, MD 21201
 (410) 347-7700

National Council for Accreditation of Teacher Education (NCATE)

1140 19th Street, Suite 400
 Washington, DC 20036
 (202) 223-0077

**This accreditation covers the institution's initial teacher preparation and advanced educator preparations programs.*

National Institutional Memberships

- American Association of Colleges for Teacher Education (AACTE)
- American Association of Colleges of Nursing (AACN)
- American Association of Collegiate Registrars and Admissions Officers (AACRAO)
- American Association of State Colleges and Universities (AASCU)
- American Association of University Women (AAUW)
- American Council on Education (ACE)
- American Society for Engineering Education (ASEE)
- Association for Institutional Research (AIR)
- Association of Departments of English (ADE)
- Association of Departments of Foreign Languages (ADFL)
- Association of Governing Boards (AGB)
- Association of Writers and Writing Programs (AWP)
- Council for Adult and Experiential Learning (CAEL)
- Council for Higher Education Accreditation (CHEA)
- Council for Opportunity in Education (COE)
- Council for the Advancement and Support of Education (CASE)
- [Council of Colleges of Arts & Sciences \(CAH & CNHS\)](#)
- Council of Graduate Schools (CGS)
- Council on Hotel, Restaurant and Institutional Education (CHRIE)
- Council on Undergraduate Research (CUR)
- National Association of Student Personnel Administrators (NASPA)
- National Association of University Fisheries and Wildlife Programs (NAUFWP)
- National Business Education Association (NBEA)
- National Collegiate Athletic Association (NCAA)
- National Collegiate Honors Council (NCHC)
- National Council on Rehabilitation Education (NCRE)
- National League for Nursing (NLN)
- National Recreation and Park Association (NRPA)

Enrolling In College

Students are urged to acquaint themselves with this catalog thoroughly. It sets forth policies and procedures for enrolling and successfully completing the various programs of study.

The basic responsibilities of selecting a major field, enrolling in the prescribed courses of study in the field, and complying with the University's requirements for graduation rest with the student; however, University personnel will assist the student with problems encountered. Further assistance is offered in the form of capable departmental advisors, a full-time guidance and counseling service, and an appropriate graduation check list to serve as a reminder of the various graduation requirements.

For More Information

General Information	(479) 968-0389
Academic Advising Center	(479) 964-0843
Academic Affairs Office	(479) 968-0319
Admission Office	(479) 968-0343
Alumni Office	(479) 968-0242

Athletics Director	(479) 968-0345
Administration and Finance	(479) 968-0300
Continuing Education Office	(479) 968-0318
Counseling Services	(479) 968-0329
Disability Services	(479) 968-0302
Financial Aid	(479) 968-0399
	TDD (479) 968-0224
Graduate College	(479) 968-0398
Health and Wellness Center	(479) 968-0329
President's Office	(479) 968-0228
Professional Development Institute	(479) 964-0541
Public Safety	(479) 968-0222
Registrar's Office	(479) 968-0272
Residence Life	(479) 968-0376
Student Accounts	(479) 968-0271
Student Affairs	(479) 968-0276
University Testing Center	(479) 968-0302
Student Housing	(479) 968-0376
Ticket Sales	(479) 968-0337

The provisions of this catalog are subject to change without notice and do not constitute an irrevocable contract between any student and Arkansas Tech University.

Equal Opportunity Employment

Arkansas Tech University will provide equal opportunity in employment to all persons. This applies to all phases of the personnel process, including recruitment, hiring, placement, promotion, demotion, separation, transfer, training, compensation, discipline, and all other employment terms, conditions, and benefits. Arkansas Tech University prohibits discrimination based on race, color, religion, national origin, sex, sexual orientation, gender identity, age, disability, genetic information, or veteran status.

Arkansas Tech University will provide a copy of this policy to all applicants for employment. All faculty and staff will be notified annually of the policy. Further, Arkansas Tech University will consider through a designated grievance procedure, the complaints of any person who feels that they have been discriminated against on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, age, disability, genetic information, or veteran status.

Affirmative Action

Arkansas Tech University will have an Affirmative Action Plan that contains a set of specific and result-oriented procedures to apply every good faith effort to achieve prompt and full utilization of minorities, women, those with disabilities or veterans at all levels and all segments of its workforce where deficiencies exist. Additionally, Arkansas Tech University will continually monitor and evaluate its employment practices to ensure that they are free of bias or discrimination based upon race, color, religion, national origin, sex, sexual orientation, gender identity, age, disability, genetic information, or veteran status.

A copy of the Affirmative Action Plan, including specific responsibilities and provisions for implementation and compliance, will be made available upon request.

Responsibility for implementation and compliance with this Affirmative Action policy has been delegated to Human Resources, who can be reached by emailing affirmative.action@atu.edu or calling 479-964-0583.

Arkansas Tech University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, age, disability, genetic information, or veteran status in any of its practices, policies, or procedures. This includes, but is not limited to, employment, admissions, educational services, programs or activities which it operates, or financial aid.

Arkansas Tech University complies with all applicable state and federal laws including, but not limited to, Title VI and Title VII of the Civil Rights Act of 1964 as amended, Title IX of the Educational Amendments of 1972, Section 503 of the Rehabilitation Act of 1973, Section 504 of the Rehabilitation Act Amendments of 1974, Age Discrimination Act, Vietnam Era Veterans Readjustment Assistance Act, Uniformed Services Employment and Reemployment Act, the Civil Rights Restoration Act of 1987, the Americans with Disabilities Act of 1990, and the Civil Rights Act of 1991.

It is the policy of Arkansas Tech University to maintain the University Community as a place of work and study for staff, faculty, and students free of harassment, to include sexual and gender harassment and all forms of sexual intimidation and exploitation. All students, staff, and faculty should be aware that the University is both concerned and prepared to take action to prevent and correct such behavior. The determination of what constitutes sexual harassment will vary with the particular circumstances, but it may be described generally as unwanted sexual behavior, such as physical contact and verbal comments or suggestions which adversely affect the working or learning environment of others. Anyone who is subjected to offensive sexual behavior is encouraged to pursue the matter through the established informal or formal grievance procedures. Generally, the informal procedures afford an opportunity to explore a problem and consider alternative means for its resolution.

Annual Budget / Financial Report

A copy of the annual budget is available in the Ross Pendergraft Library and Technology Center. A copy of the annual financial report is available from the Office of the Vice President for Administration and Finance in Room 207 of the Administration Building.

ACADEMIC CALENDAR

View the current and upcoming [Academic Calendar](#) for ATU.

NOTE: The fall and spring dates below pertain to full-term courses, eight-week courses, and certain mini-term courses. The summer dates pertain to the stated summer sessions. The calendar for other condensed courses may differ from what is printed below. Please reference the Condensed Courses - Registration, Drop, and Refund Dates Form (https://generalssb-prod.ec.atu.edu/BannerExtensibility/customPage/page/pbs9date_pg_displayForm) for course and term definitions and pertinent Academic Calendar dates for courses not conforming to the beginning and ending dates outlined below.

**Holidays noted are for face-to-face classes. For web-based courses, assignment due dates may fall on a holiday.*

***Spring break 2024 is subject to change.*

ADMINISTRATION

Board of Trustees

Jim Smith, Fayetteville

Len Cotton, Dardanelle

Bill Clary, Conway

Michael Lamoureux, Russellville

Stephanie Duffield, Russellville

Administrative Officers

Russ Jones, 2020, President

B.S., Arkansas State University, 1982;

M.S., Arkansas State University, 1984;

Ph.D., University of Texas-Arlington, 1992.

Julie Furst-Bowe, 2022, Vice President for Academic Affairs

B.A., University of Wisconsin, Eau Clair;

M.S., University of Wisconsin-Stout;

Ed.D., University of Minnesota.

Laury Fiorello, 2020, Vice President for Administration and Finance

B.S., John Brown University, 2003;

M.B.A., Arkansas Tech University, 2019.

Jason L. Geiken, 2020, Vice President for Advancement
 B.A., Baptist College of Florida, 2004;
 M.B.A., Iowa State University, 2011.

Keegan Nichols, 2017, Vice President for Student Affairs
 B.S.E., University of Central Arkansas, 2001;
 M.S., University of Central Missouri, 2003;
 Ed.D., Northern Illinois University, 2010.

Academic Administration

Graduate College

Sarah Gordon, Dean

College of Arts and Humanities

Jeffrey Cass, Dean
Kasten Searles, Head of Art Department
David Ward, Head of Behavioral Sciences Department
David Eshelman, Head of Communication and Media Studies Department
Emily Hoffman, Head of English and World Languages Department
Aaron McArthur, Head of History and Political Science Department
Jeffrey Bright, Head of Music Department

College of Business and Economic Development

Tracy Cole, Dean

Michael Bradley, Head of Agriculture and Tourism Department

College of Education and Health

Tim Carter, Dean
Brett Stone, Associate Dean
Pam Dixon, Head of Teaching and Educational Leadership Department
Shelly Daily, Head of Nursing Department
Rockie Pederson, Head of Kinesiology and Exercise Science Department
Rene Couture, Head of Emergency Management, Professional Studies, and Student Affairs Administration
John Freeman, Director of Ed.D. Program
David Bell, Director of Educator Licensure and Support Services
Veronica Scott, Director of Teacher Education Student Services

College Science, Technology, Engineering, and Math

John Jackson, Dean of STEM
John Krohn, Associate Dean of STEM
Chris Kellner, Head of Biological Sciences
Hamed Shojaei, Head of Mathematics and Statistics Department
Hamed Shojaei, Head of Physical and Earth Sciences Department

GRADUATE FACULTY

The most current list of faculty who hold [graduate faculty status](#).

FEES & CHARGES

Tuition and Fees

Students enrolling at Arkansas Tech University are assessed tuition and fees to cover the costs of instruction and other student services common to a university setting. All graduate students, regardless of residency: in-state, out-of-state, or international, pay the same rate. Consult Student Accounts for **Tuition and Fee information**. Additionally, certain courses requiring individual instruction or special facilities carry fees which are listed with the course description.

Course Fees

Certain courses may also have fees attached. See individual course descriptions to determine whether a course fee is applicable. Students in a *qualified* online program, meeting certain criteria will not pay the Public Safety Fee, Student Recreation/ Student Union Fee and Students Activity Fee. This criterion is defined as students who are enrolled in a *qualified* online program that can be completed entirely online, are enrolled in a semester of entirely online coursework, and have no physical presence on campus.

Other Fees and Charges

International Student Service Fee

Per semester (fall/spring/summer)	\$50
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Food and Housing (Subject to changes as necessary)

Graduate students are eligible to live in residence halls. Graduate students must carry a minimum of six (6) graduate hours, while residing on campus. All students living in residence halls are required to purchase a meal plan. Meal plans are available during the fall and spring semesters. Declining Balance Dollars may be used in Chambers Cafeteria, Baz-ATU, and Convenience Store.

Residence halls are closed between fall and spring semesters, with the exception of Jones, Stadium Suites, and Wilson. However, residents may remain in the residence halls during this period provided they submit proper paperwork to the Department of Residential Life to gain approval. There will be an additional cost for residents approved to remain in the residence halls over this break period. Residents may remain in the residence halls during all other breaks, provided they notify the residence hall staff of their intentions prior to the break period.

Parking and Public Safety

All vehicles on ATU campus are required to register and display a current parking permit. Permits are valid from August 15th one year through August 15th of the next year. Permits must be displayed by hanging on the rear-view mirror so the number can be read through the front windshield from the outside; they may not be taped on the vehicle or laid on the dash or seat. These permits can be moved from vehicle to vehicle. Permits are the responsibility of the purchaser and must be removed prior to sale or transfer of the vehicle, upon termination of employment, or withdrawal from the University. Only one permit per individual can be purchased unless the prior permit was lost or stolen. There is no refund for permit cost. Vehicles can be registered by following these steps: Log in to OneTech (<http://oneATU.atu.edu>). The registration fee, penalties, and fines are published in the ATU parking map. <https://www.atu.edu/psafe/docs/ParkingMap2014.pdf>.

Temporary parking permits are available at the Department of Public Safety for faculty, staff, and students who have misplaced their parking permit.

Payment of Accounts

Financial settlement may be made by personal payment or **AUTHORIZED** financial aid (loans, scholarships, grants, third parties, etc.). Credit card and eCheck payments are only accepted through OneTech under "Payment Options". A 2.75% convenience fee will apply toward student's accounts made via a merchant card. Cash and check payments may be made at the Student Accounts cashier window in RCB Room 241. Registration is not complete until all financial obligations have been met satisfactorily. Failure to make financial settlement may result in cancellation of the class schedule.

Monthly billing statements are electronic. Near the first of each month, notification and information for access will be provided to students via the individual student e-mail address and online at <http://stuacctts.atu.edu>. Students are responsible for accessing billing statements and printing a paper copy if desired. Students registering between billing cycles are responsible for accessing their charges online or contacting Student Accounts to insure making correct payment by the required due date. Payment is due even if billing statement is not received. Students with delinquent accounts are not eligible for transcripts, recommendations, advance registration, or readmission to any term. Collection fees for outstanding debts owed to the University will be assessed to the student.

The University reserves the right to amend or add to the regulations of the institution, including those concerning charges and methods of payment, and to make such changes applicable to students enrolled in the University, as well as to new students.

Important Information for Reduction of Tuition and Fees for Official Withdrawal

The following reduction information **specifically** addresses courses that begin and end with the main term dates for Spring, Summer I, Summer II and Fall, as listed in the [Academic Calendar](#). Courses with beginning and/or ending dates that are different than the main terms listed above may have different reduction periods. It is the students' responsibility to consult the Student Accounts or Registrar's Office for these reduction dates prior to withdrawing. Withdrawal dates for course with beginning and/or ending dates outside the traditional term can be found at: <https://www.atu.edu/registrar>.

In the event a student is receiving student financial aid, any refund amount attributable to a loan, grant, or scholarship will be returned to the appropriate account and not to the student. The amount returned to federal programs will be the amount of unearned Federal aid based on the number of calendar days of attendance up to the sixty percent point of the semester. Aid accounts will be refunded in the following order up to the amount of the original disbursement: Federal Direct Loan Programs, Federal Perkins Loan Program, Federal Direct PLUS Loan Program, Federal Pell Grant Program, Federal SEOG Program, Arkansas Department of Higher Education Programs, ATU scholarships and private aid. Additionally, students who have received a cash payment of Federal aid money will receive a letter after their withdrawal informing them of any amount to be repaid. These repayments will be made through the Student Accounts Office. The student will be ineligible to register for additional courses until the required payments are made.

Reduction of Tuition and Fees for Official Withdrawal - Summer Semesters

Students registering for a summer semester, but officially withdrawing from the courses by the end of the second day of the summer semester, as listed in the "Academic Calendar" will receive a 100 percent reduction of tuition and fees. Students registering for a summer semester, but officially withdrawing from the University by the end of the fifth day of the semester in a summer term, as listed in the "Academic Calendar" will receive an 80 percent reduction of tuition for courses which they are enrolled in at time of withdrawal. No reduction in tuition will be made after the fifth day of the summer semester. No reduction of fees will be made after the second day of the semester.

Reduction of Tuition and Fees for Official Withdrawal - Spring and Fall Semesters

Students registering for the fall or spring semester but officially withdrawing from the University by the end of the fifth day of the semester, as listed in the "Academic Calendar", will receive a 100 percent reduction of tuition and fees. Room and Board will be reduced on a pro rata basis. Thereafter, students officially withdrawing by the end of the eleventh day of the semester will receive an 80 percent reduction of tuition only for courses in which they are enrolled at time of withdrawal. No reduction in tuition will be made after the eleventh day of the semester. No reduction in fees will be made after the fifth day of the semester.

Financial Aid

The following aid programs are available to graduate students: the Federal Direct Unsubsidized and Direct PLUS Loan Programs, which provide loans (interest rate determined annually) to eligible students; and the Federal College Work-Study Program, which provides on-campus part-time jobs. In order to participate in these programs, the student must submit a Free Application for Federal Student Aid at www.studentaid.gov.

Additional information may be obtained at <https://www.atu.edu/finaid/> or by e-mail at fa.help@atu.edu. Priority deadlines are April 1 for summer, January 15 for fall, and October 1 for spring.

In addition to general requirements listed in the financial aid academic policy located at <https://www.atu.edu/finaid/SAP.php>, graduate students receiving federally funded financial aid must meet the conditions listed below in order to remain eligible for financial aid:

- Students must earn 67% of hours This is calculated as shown: $\text{Hours passed} \div \text{hours attempted} = 67\%$ or greater.
- Students must maintain a cumulative 0 GPA on graduate courses.
- Students must complete the degree by the end of 54 attempted

Graduate Assistantships

The University offers a limited number of graduate assistantships through its academic departments and administrative offices. Inquiries regarding assistantships should be directed to the Graduate College webpage. Available assistantships will be posted and updated accordingly throughout the academic year. Student inquiries regarding specific positions should be directed to the contact person listed in the posting. Additionally, it is the responsibility of the applicant to pursue possible positions through the posted openings on the [graduate assistant webpage](#) and by contacting the individual departments.

A graduate student holding an assistantship appointment does part-time work for the University as determined by the department or office involved. A student receiving an assistantship may take a maximum of nine (9) hours and a minimum of six (6) hours of course work per semester. During summer sessions students may enroll in graduate hours as long as they do not exceed their waiver hour allotment and have not graduated from Graduate College. Students are eligible to hold a GA position for a minimum of four (4) regular semesters. Maymester and summer terms do not count as part of the four (4) semesters as long as 18 graduate credit hours are not exceeded within one (1) fiscal year. Exceptions may be made upon the approval of the appropriate program director and the Graduate College Dean. Students selected to hold a graduate assistantship may work only within their contracted department; multiple graduate assistantships within one time period are not acceptable. Additionally, GAs may not hold multiple on-campus roles, i.e. GA and student worker, during the same semester term without prior approval from the Graduate College Dean.

A student may receive a graduate assistantship award for four (4) semesters, if they meet the Graduate College eligibility guidelines and receive continued departmental approval. A program director may appeal for one (1) extra semester by completing a [Graduate Assistant Fifth Semester Request Form](#) and providing a detailed written justification to the Graduate Dean. All requests for an additional semester should be received by the application deadlines.

Military Personnel, Veterans, and Dependents

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at <http://www.benefits.va.gov/gibill>.

Scholarships

The scholarships listed below have been established by the alumni and friends of ATU in order to afford students the ability to pursue their goals of earning a degree in higher education. Available Scholarships and Assistantships for Graduate Students can be found here: [Funding Your Degree | Arkansas Tech University \(atu.edu\)](#).

Graduate College Recognition Awards

Jim Ed McGee Graduate Honors Award

The Jim Ed McGee Graduate Honors Award was instituted to recognize one ATU graduate each year.

ELIGIBILITY

Individuals who graduated in May or December are eligible to apply by April 1st of the year following their graduation.

AWARD PRESENTATION

The Jim Ed McGee Graduate Honors Award recipient will receive a personal plaque presented at a reception hosted by the Graduate Council. Additionally, his/her name will be inscribed on the Jim Ed McGee Graduate Honor Award Plaque for permanent display in the Graduate College.

Angelo and Rosa Denova Graduate History Award

The recipient of this award will be selected by a History Department Paper Prize Award Committee. It is open to any student enrolled in a graduate History course at Arkansas ATU, regardless of major, during the current award cycle. Students should submit scholarly papers written during the current award cycle in a History class at Arkansas ATU. Specific Submission Guidelines are available from Department of History and Political Science.

STUDENT SERVICES

International Student Services

The International and Multicultural Student Services Office provides support services designed to enrich the college experience for multicultural and international students. The office provides the opportunity for cultural exchange and aids in helping all ATU students develop global competence to appreciate cultural differences.

The office offers a wide range of services for international students, including orientation, immigration updates, cross-cultural programming, and other support services necessary to ease the transition of international students into the U.S. culture. American college students play a vital role in this process by volunteering to serve as mentors to new international students through the Global Connect program.

Additional information may be obtained by calling (479) 964-0832, email at imsso@atu.edu, or online at www.atu.edu/imsso.

Veterans Benefits

ATU is approved by the State Approving Agency (SAA) as a school whereby eligible veterans and veterans' beneficiaries may use educational benefits while working toward a degree. Eligible students should contact the Office of Veteran Services to obtain information regarding school attendance under the following programs: Title 38, Chapter 33, Post-9/11 GI Bill® (*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at <http://www.benefits.va.gov/gibill>*); Title 38, Chapter 30, Montgomery GI Bill® Active Duty; Title 38, Chapter 32, Veterans Educational Assistance Program; Title 38, Chapter 35, Survivors and Dependents Education; Title 10, Chapter 1606, Montgomery GI Bill® for Selective Reserves; and Title 10, Chapter 1607, Reserve Educational Assistance Program.

All students must be working toward a degree and should follow the curriculum outline for their objectives, since only specific courses may be applied toward VA certification and graduation. Enrollment certification will not be sent to the Department of Veteran's Affairs until the person applying for

veteran's benefits has been admitted to the University and prior credit evaluated. Students must request certification for each term to be certified and are responsible for notifying the certifying official of any changes in enrollment status or eligibility. Veterans may be given placement credit for prior military training by providing an official military transcript or DD-214.

All active duty military service persons and veterans eligible under the GI Bill® as determined by the VA who are classified as "out-of-state" for tuition purposes shall receive a waiver of out-of-state tuition charges. ATU complies with Section 702 of the Veterans Choice Act. For additional information, please contact the Office of Veteran Services. See also "In-State Tuition for Military Personnel, Veterans and Dependents" in the Fees and Expenses section of this catalog.

The Office of Veteran Services is located in the Doc Bryan Student Services, Suite 104. Students may stop by the Office of Veteran Services or call

(479) 968-0445 if they have questions or need assistance in applying for their benefits.

Health and Wellness Center

Recognizing that optimum health is essential to effective learning, the university maintains health services available to all students. The Health and Wellness Center, located in Doc Bryan, Suite 119, provides confidential treatment of minor injuries and illnesses through a well-equipped facility and within the scope and practice of the registered nurse and certified nurse practitioners who staff the center full-time. The nurses make appropriate referrals to local health care providers when necessary.

The university assumes no financial responsibility for student care other than that provided by the Health and Wellness Center. Students are urged to carry their own health insurance.

In addition to clinical services, a wide range of health promotion and educational programs are provided in a variety of campus settings.

Counseling Services

Counseling services provides counseling, consultation, and outreach to the ATU community. The counseling staff is committed to promoting the educational mission of the university by working with the campus community to establish and maintain healthy and effective behavior patterns and lifestyles that enhance learning and personal development. The range of services provided includes personal counseling for students in individual, couples, or group sessions. The staff provides consultations to students, parents, staff, faculty and administration. There is a small library of self-help books and videos, and a variety of informational brochures available. Presentations and outreach programming are scheduled throughout the year and are available upon request.

For more information, please visit: www.atu.edu/cs/center.

Disability Services for Students

The Office of Disability Services (DS) facilitates reasonable accommodations in programs, services, and activities to enable students with disabilities access to the same opportunities as their peers. Disability Services staff make accommodation determinations based on documentation provided by the student, including medical and psychological evaluations. Students must self-identify through an application process and meet with a Disability Services staff member for determination and facilitation of reasonable and appropriate accommodations. For information on registering with the Disability Services office or to make an appointment with a staff member, please call (479) 968-0302, TTY: (479) 964-3290, email at disabilities@atu.edu, or stop by the office located in the Doc Bryan Student Services Building, Suite 141. An online application for services can be found at www.atu.edu/disabilities/

University Testing Center

The University Testing Center administers standardized and institutional examinations including the ACT, Next Generation ACCUPLACER, Miller Analogies Test, Test of English as a Foreign Language (TOEFL), PRAXIS, TEAS, and credit by examination (CLEP). The University Testing Center is located in Doc Bryan, Suite 141. Students may contact testing center staff via phone (479) 968-0301, TTY: (479) 964-3290, or via email: utds@atu.edu. Tests that require payment through ATU may be paid by credit card in the University Testing Office, and cash payments may be accepted in the Office of Student Accounts, Brown Hall, Suite 241. For additional information regarding testing schedules, students may visit www.atu.edu/testing

Norman Career Services

The Norman Career Services office is dedicated to educating and professionally preparing students to meet their career goals. The office provides students and alumni a variety of resources on-campus and through the website at www.atu.edu/career. The Norman Career Services office also provides an online career management program, Handshake, for students and graduates who are searching for internships, on-campus, part-time, and/or full-time positions. Beginning with the student's freshmen year, all students are encouraged to take self-assessments through FOCUS 2. The staff is available for private appointments to assist students and alumni with their career goals, resumes, cover letters, and personal marketing plans. Additionally, outreach programs for students are available including professional development workshops, classroom visits, custom student organization workshops, and employer events.

Employers partner with the Norman Career Services office to post employment opportunities through Handshake, as well as to arrange for additional opportunities to grow their on-campus presence. Events such as career fairs, information sessions, corporate mixers, and interviews are all arranged through Norman Career Services. By ensuring that ATU graduates are given every opportunity for success, Norman Career Services strives to inform students and prepare them to be successful in the workforce.

Additional information concerning Norman Career Services may be obtained by visiting the website at www.atu.edu/career, by calling (479) 968-0278, or by emailing career.services@atu.edu.

Textbook Brokers at ATU

Your campus bookstore is located at 1400 N Arkansas Ave, right next to Feltner's Whatta-Burger. Textbook Brokers carries all required course materials, including textbooks. Here, you can buy, rent, or digitally download all required course materials for your time at ATU. The Bookstore has a large selection of Tech gear and apparel. School supplies, electronics, and graduation regalia are also available.

Textbook Refund Guidelines

The Bookstore will issue full refunds in the original form of payment for textbooks purchased at the Bookstore if returned in the original condition, within the first week of class. Within 30 days of the first day of classes, textbooks will be refunded with an original receipt and with a valid proof of add/drop. Refunds outside of that window are at the managers' discretion.

BuyBack/Rental Return Information

Textbook Brokers buys back textbooks year round. If you have books you have purchased that can be sold back, visit Textbook Brokers to receive a quote. Textbook Brokers offers cash back on books regardless of where they were initially purchased. Rental books are due at the end of each semester they are issued, on the last day of finals. Each rental book from Textbook Brokers should be marked with a sticker on the back of the book designating the return date.

Please visit our website at <https://www.atu.edu/bookstore> for the most up-to-date information about the bookstore.

Traffic Regulations

By authority of the Board of Trustees and in accordance with Legislative Act 328, 1967, Arkansas Tech University requires all members of the faculty, staff, student body and classified personnel to register motor vehicles which they own or operate on the ATU campus or on lands controlled by the University. All registrants shall abide by all traffic and parking regulations as outlined by a printed pamphlet available in the Department of Public Safety office located at 1508 North Boulder Avenue, or online at <https://www.atu.edu/psafe/docs/ParkingMap2014.pdf>.

Registration of vehicles shall be accomplished at the time of regular registration for the fall, spring or summer semesters. Vehicles can be registered by following these steps:

- 1) Log in to OneTech (<http://onetech.atu.edu>).
- 2) Go to the "Personal Information" channel located on the welcome page.
- 3) Click on the link "Purchase Parking Permit," and follow the instructions to purchase a permit.

Individuals will need to know the make and model of their vehicle as well as their license plate number in order to complete the process listed above. Students may purchase permits with a credit card, a debit card or post the charge to their student account. Faculty and staff may purchase their permit online with a credit card or a debit card. Those purchasing their hangtags using a credit or debit card will receive an e-mail confirming their purchase. Once the parking permit is purchased, faculty, staff and students will have an opportunity to print a temporary parking permit to be displayed on their vehicle dashboard until the permanent one arrives in 7-to-10 business days.

All vehicles on ATU campus are required to register and display a current parking permit. Parameters for the operation and parking of motor vehicles may be viewed on the campus map available at the Department of Public Safety. Vehicles are defined as any self-propelled vehicle having two or more wheels.

Permits are valid from August 15th one year through August 15th of the next year. Permits must be displayed by hanging on the rear view mirror so the number can be read through the front windshield from the outside; they may not be taped on the vehicle or laid on the dash or seat. These permits can be moved from vehicle to vehicle. Permits are the responsibility of the purchaser and must be removed prior to sale or transfer of the vehicle, upon termination of employment, or withdrawal from the University. Only one permit per individual can be purchased unless the prior permit was lost or stolen. The reported lost or stolen permit will be invalid. There is no refund for permit cost. The registration fee, penalties, and fines are published in the ATU parking map.

Temporary parking permits are available at the Department of Public Safety for faculty, staff, and students who have misplaced their parking permit.

ADMISSION &

Dr. Sarah Gordon, Interim Dean

Tomlinson Hall, Room 113

Phone: (479) 968-0398

Fax: (479) 964-0542

Admission to Graduate College

Individuals who meet the admission requirements listed below may apply to ATU. The University reserves the right to reject the application of any individual. Every student must complete an application for admission.

Priority deadline date for fall admission is March 1 and spring admission is October 1. This will ensure consideration for admissions and assistantships. Students who do not meet this deadline, may submit necessary credentials for admission up to two (2) weeks in advance of the initial date of enrollment. Applicants for admission must submit a completed application form and request from the college or university granting their bachelor's degree an official transcript be sent directly to the Graduate College.

Detailed information regarding graduate student admissions may be obtained by contacting:

Graduate College

1507 North Boulder Avenue Tomlinson 113

Russellville, AR 72801

Email graduateadmissions@atu.edu

Phone (479) 968-0398

Fax (479) 964-0542

Online <https://www.atu.edu/gradcollege/>

Applicants must meet the admission requirements established for a particular degree program. Approved applicants will be notified in writing of their eligibility for admission to graduate study. Application for admission will be valid for one (1) calendar year; applicants who do not enroll during the calendar in which they applied will be required to reapply for admission. Admission to graduate study does not imply admission to a specific program or to candidacy for a degree.

ATU will provide equal opportunity in admission to all persons. This applies to all phases of the admission process. Any demographic information collected through the Admission Application is on a voluntary basis and is to be used in a nondiscriminatory manner consistent with applicable civil rights laws for reporting and statistical purposes only and cannot affect eligibility for admission.

Any student requiring special accommodations in order to complete a course or program of study should contact Disability Services, Doc Bryan, Room 141, or call (479) 968-0302. Disability Services administers programs and services associated with the Americans with Disabilities Act and serves as a liaison for students with disabilities.

Beginning June 1, 2007, all students at ATU will be assigned a permanent, randomly generated, student identification number. Student's social security numbers will be used only on applications for admission and solely for the purposes of State and Federal reporting requirements and determination of eligibility for Federal financial aid.

Persons born after January 1, 1957 must furnish proof of immunity against measles, mumps, and rubella by sending proof of one (1) MMR immunization shot to the ATU Health and Wellness Center prior to enrollment in classes. For more information, contact the Health and Wellness Center at (479) 968-0329.

Unconditional Admission for Entering Graduate Students

Admission applicants must:

- 1 .Applicants must pay a \$40.00 nonrefundable application
- 2 .Applicants must hold a bachelor's degree from an institutionally accredited college verified by an official
- 3 .Applicants must have a cumulative grade point average of 3.00 on the last 30 hours of undergraduate work or hold a graduate degree from an institutionally accredited institution to be accepted into ATU. Admission to graduate study does not imply admission to a specific program or to candidacy for a degree individual programs may require a higher GPA
- 4 .Applicants must request a complete undergraduate official transcript from their bachelor's awarding institution sent directly to Graduate Admissions. Electronic official transcripts may be emailed to graduateadmissions@atu.edu.
- 5 .Applicants must meet additional admission requirements specified by programs in the graduate catalog.

*The application fee may be applied to defer admission in the same program for up to one (1) calendar year. If an applicant does not complete the admission process within one (1) calendar year, or if the applicant applies to a new program, the applicant is responsible for submitting a new application fee.

Conditional Admission for Entering Graduate Students

Applicants may be admitted conditionally if they do not meet one of more of the requirements of conditional admission:

- 1 .Meet one or more of the requirements for unconditional admission.
- 2 .Hold a bachelor's degree from an accredited
- 3 .Meet additional admission requirements specified by programs in the graduate catalog
- 4 .Submit all necessary documentation prior to initial

Applicants who do not meet the grade point requirement specified for admission may be admitted conditionally. Upon completion of twelve (12) semester hours with a grade point average of 3.00 or better the student will be granted unconditional status.

If the applicant does not meet additional admission requirements specified by programs in the graduate catalog the program director may require the applicant to complete up to thirty (30) undergraduate hours in addition to graduate credits required for the degree.

Former Graduate Students

Students who have interrupted their attendance at ATU for more than one calendar year must reapply for admission. Students seeking readmission after suspension or dismissal must undergo a formal review by the program director and the Graduate Dean, who will determine admission eligibility.

Transfer Graduate Students

Transfer students seeking admission to ATU's Graduate College must submit official transcripts from all colleges/universities where they have been officially registered in graduate coursework. Transfer students must meet unconditional admission standards, and be in good academic standing at their previous graduate institution(s). Please see the Transfer of Graduate Credit section regarding transferring credit into an Arkansas ATU graduate program.

Non-Degree Admission

Applicants not pursuing a graduate degree may be admitted as non-degree seeking graduate students, upon submitting a completed application for admission to graduate study and an unofficial transcript from an accredited college or university showing a baccalaureate or higher degree has been earned at that institution. Applicants requesting non-degree admission must meet the same grade point admission criteria as outlined for degree admission. A maximum of twelve (12) graduate hours earned while in non-degree status may apply to a degree program. Students desiring to change from a non-degree admission status to a degree admission status must apply for degree admission.

Non-Academic Rejection

Please note that academic performance is not the sole criterion for admission to the university. The university may evaluate a person's behavior and background to determine their ability to maintain the standards of academic and professional conduct expected at the university. An evaluation may take into consideration current behavior and performance as well as past experiences and actions. Simply qualifying for admission does not guarantee admission.

Transient Admission

Applicants who are pursuing a graduate degree at another institution may be admitted as transient graduate students upon submission of a completed application for admission to graduate study and an official statement from their institution verifying they have been admitted to its graduate program and are in good standing.

International Graduate Student Admissions

The International Admissions is pleased to assist international students who wish to study at ATU. Any student who is not a United States citizen or a permanent resident of the United States is considered an international student. International students are subject to out-of-state tuition rates and an international student services fee, as well as, additional admission requirements. The application for international admission and all supporting documents should be submitted by March 1 for the fall semester and October 1 for the spring semester for priority consideration. Application deadlines for regular admission are June 1 for fall semester and November 1 for spring semester. Admission will not be granted until all supporting documentation as listed above has been received and evaluated. Upon acceptance, notification will be sent to the student along with an I-20 (Certificate of Eligibility).

Any deferral of admission requires updated evidence of financial support. The application fee may be applied to defer an application for admission in the same program for up to one (1) calendar year from the original application date. However, the applicant is responsible for paying a \$25 USD fee for each deferral within the calendar year. If an applicant does not complete the admission process within one (1) calendar year from the original application date, or if the applicant applies to a new program, the applicant is responsible for submitting new application and Graduate College fees. Please send a written request for deferral imssso@atu.edu within 60 days of the start date of your last admission.

Full payment of tuition and fees must be paid at registration each semester. International students are required to purchase a health insurance policy provided by the university. ATU receives no remuneration as a result of international student enrollment in the health insurance plan.

More detailed information regarding international student admissions may be obtained by contacting International Admissions, Brown Hall, Suite 104, ATU, Russellville, Arkansas, 72801-2222, USA; telephone (479) 356-2217; fax (479) 880-2039; <https://www.atu.edu/imssso>.

Transfer of Graduate Credit

Graduate Credit Taken Prior to Admission to ATU

A maximum of 25% of the coursework required for a graduate degree (e.g, six (6) semester hours of graduate credit in a 30-hour program and nine (9) semester hours of graduate credit in a 36-hour program) with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. A maximum of three (3) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school for a

graduate certificate program if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. No more than 25% of graduate coursework can be earned through PLA and/or transfer hours.

Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Earned Six Years' Prior to Degree Completion

The maximum timeframe for which a student's previous academic credits can be counted toward a graduate degree is six years. Effective May 1, 2020, the Graduate College will only approve, in rare circumstances, a deviance from the requirement for all program courses to be completed within a six- year timeframe if the affected student submits documented proof of being current in the subject matter(s) of the course(s) outside of the six-year window. Currency can be documented via professional practice, continuing education, or other appropriate means. This documentation must be endorsed by the program director and approved by the Dean of the Graduate College.

Graduate Credit Taken After Admission to ATU

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at ATU, the student must (in advance of enrollment) obtain written approval from the program director and the Dean of Graduate College.

Prior Learning Assessment

The term "Prior Learning Assessment" (PLA) is the process by which an individual's experiential and extra-institutional learning is assessed and evaluated for purposes of granting college credit. Supporting documentation that demonstrates learning outcomes, competencies, and professional skills gained through prior learning must be submitted.

Students may be awarded credit for prior learning not to exceed 25% of the coursework required for a graduate degree (e.g., 6 hours for a 30 or 33 credit hour program or 9 hours for a 36-credit hour program). No more than 25% of coursework can be earned through PLA and/or transfer hours.

Students may be awarded up to 3 credit hours for prior learning for a graduate certificate.

The Arkansas Higher Education Coordinating Board sets credit limits for experiential/prior learning assessment. Not all programs provide the PLA credit option. Every student requesting credit for prior learning must submit the required documentation or complete an examination (as required by the degree program) to demonstrate the graduate-level learning that has resulted from experiences outside a formal academic framework. Faculty from the program will evaluate the PLA request to determine if the student qualifies for PLA credit. PLA credit must be earned for a specific course, and cannot be earned for generic credit toward a graduate degree or certificate.

Eligibility

A student must be admitted to and enrolled in an Arkansas Tech University graduate certificate or graduate degree program to be eligible to apply for PLA credit.

Application

An application form must be completed and submitted to the student's graduate program director. The application must be evaluated by program faculty and, if recommended for approval, be signed by the program director, department head, college dean, and graduate college dean. Application for PLA and listing of current approved credit is available on the Arkansas Tech University Graduate College website.

Second Master's Degree

Subject to the approval of the advisor, program director, and Dean of Graduate College a graduate student may be allowed to apply six (6) or nine (9) semester hours toward a second master's degree. If the second master's degree requires 30 hours, a maximum of six (6) hours may be applied to the second degree. If the second master's degree requires 36 hours or more, a maximum of nine (9) hours may be applied to the second master's degree.

Any courses applied to the second master's degree must meet the requirements for the degree and must not be more than six (6) years old at the time of completion of the second master's degree. All remaining courses applied to meet the requirements for the second master's degree must be taken in residence at ATU. Approval for applying these courses must be received at the beginning of the second master's degree program.

Accelerated Bachelor to Master Degree Programs

Colleges with existing Master's degree programs may offer an accelerated undergraduate to graduate degree program (designated as an Accelerated Bachelor's Plus Master's Degree Program) allowing qualified undergraduate students to register for graduate level credit hours as undergraduates and receive dual credit toward both undergraduate and graduate degrees within the designated programs that comprise the Accelerated Bachelor's Plus Master's Degree Program. Accelerated Bachelor's Plus Master's Degree Programs are designed as continuous combined programs with a seamless transition from the Bachelor's degree program into the Master's degree program.

Each Accelerated Bachelor's Plus Master's Degree Program will establish the number of credit hours to receive dual credit subject to approval by Academic Affairs and the Graduate College through the normal University curricular approval process. A maximum of twelve graduate level credit

hours can be double-counted towards the Bachelor's degree and the Master's degree. AB2M students may enroll in no more than six graduate-level credit hours in any given semester.

Each Accelerated Bachelor's Plus Master's Degree Program will establish the selection criteria for students to qualify; these criteria are subject to approval by Academic Affairs and the Graduate College through the normal University curricular approval process. These criteria may vary by program. The criteria stated here are the minimum required by the university; the student is responsible for referring to each program's specific criteria to ensure eligibility.

The curriculum will follow the existing curriculum in the undergraduate and graduate degree programs comprising the Accelerated Bachelor's Plus Master's Degree Program. Selected 5000 and 6000 level courses in the graduate program will be eligible for dual credit both in the undergraduate and graduate degree programs.

Students in Accelerated Bachelor's Plus Master's Degree Programs will apply for graduation with the Bachelor's degree on the schedule delineated in the undergraduate catalog and will receive their bachelor's degree upon completion of all the requirements for the undergraduate degree. The Master's degree will be awarded when the student has completed the remaining requirements for the graduate degree.

Admission Requirements

Students may apply for admission into the Accelerated Bachelor's Plus Master's Degree Program in their Junior year if the following conditions are met:

- complete a minimum of 90 credit hours towards their Bachelor's degree connected to the AB2M program
- earn a minimum grade point average of 3.0 or better in those undergraduate courses (and maintain the 3.0 GPA throughout their time as an AB2M student)
- Complete an [official application](#) for admission to accelerated programs

Applicants who complete the requirements above along with their respective departmental requirements will be conditionally accepted to the accelerated graduate program as an undergraduate student.

Military students should work with their academic advisor to review their transcript for consideration for an AB2M program.

Program Requirements

Upon the completion of Bachelor's degree requirements, students will be accepted into the Graduate College at a status consistent with the Graduate College and individual program guidelines. Students must meet all the graduate requirements for dual credit courses to receive graduate credit for these courses to contribute toward their Master's degree. Only grades B or better will count toward graduate credit. Students must maintain a 3.0 GPA while completing the accelerated program.

If an AB2M student earns a "C" grade (or lower) in a graduate level course, they will be removed from the AB2M program, which means the student will no longer be able to take graduate-level courses that count toward an undergraduate degree AND the student will no longer be automatically accepted into a graduate program (and thus must apply to a graduate program via the traditional pathway upon completion of the Bachelor's degree). Further, if an AB2M student earns a 'C' grade (or lower), the "C" grade will appear on both the undergraduate and graduate transcripts. For graduate programs, a maximum of six (6) hours of courses with the grades of "C" may be applied to the graduate degree requirements. Graduate students must have a grade point average of 3.0 or better in order to be admitted to candidacy. Upon graduation with their undergraduate degree, an AB2M student who earned a "C" grade may apply to an associated Master's program for admission consideration; in the application, the former AB2M student can make a case to the graduate program director regarding the possibility of retaking the course to better their "C" grade OR to not have the "C" grade count toward the graduate degree by taking another course instead (if this is an allowable possibility in a given program's approved curriculum).

All other general requirements for the Bachelor's and Master's degree programs that comprise an Accelerated Bachelor's Plus Master's Degree Program apply and must be satisfied.

Until the Bachelor's degree is obtained, AB2M students must abide by the undergraduate policies for financial aid, probation, suspension, and clemency. Once the Bachelor's degree has been conferred, the student must abide by the graduate policies for financial aid, probation, suspension, and clemency.

These guidelines represent a minimum standard. Individual graduate programs may establish more stringent guidelines as well as additional requirements not specifically precluded in this document with the approval of the Graduate College and Academic Affairs. The curriculum will follow the existing curriculum in the undergraduate and graduate degree programs comprising the Accelerated Bachelor's Plus Master's Degree Program. For more information on the course listing consult the undergraduate catalog [here](#).

Undergraduate Senior Admission

An undergraduate senior, registering the semester prior to graduation in a baccalaureate degree program at ATU, who does not need a full load of undergraduate courses to complete requirements for graduation, may request special permission from the Dean of Graduate College to enroll in no more than six (6) hours of graduate course work. The student's course load is not to exceed a total of fifteen (15) semester hours of graduate and undergraduate work combined during a fall or spring semester. The combined course load for a summer term is six (6) semester hours. The student must have a 3.00 cumulative grade point average to be eligible for admission as an undergraduate senior. Failure of a student to complete the bachelor's degree during the semester/term in which the graduate courses are taken will preclude the student from enrolling in additional graduate classes in subsequent semesters

until the bachelor's degree is awarded. The form requesting approval to enroll as an undergraduate senior can be obtained at the Graduate College online at [Request by Undergraduate Senior to Enroll in Graduate Classes](#).

Graduate courses do not count toward retention of undergraduate scholarship requirements. Prior to taking a mixed course load, students are encouraged to investigate the effects that graduate courses may make on institutional and/or state funded scholarship awards.

Catalog Privilege

Candidates for a master's degree may choose to complete requirements under the regulations published in the ATU graduate catalog for the year of initial enrollment in the graduate program at ATU or a subsequent year, provided they were enrolled in the graduate program at the University during the year the catalog was in effect. The catalog chosen must not be over six (6) years old when requirements for the degree are completed.

Academic Advising

Upon entering the graduate program, the student should develop a planned program of studies (including determined prerequisites) under the supervision of their designated faculty advisor. Subsequent modifications must be approved by the advisor and program director.

Graduate Student Enrollment Status

The minimum credit hour load for classification as a full-time graduate student in any term is 9 graduate credit hours. Classification as a three-quarter time is 7-8 graduate hours; half time is 5-6 graduate hours; and less than half time is 1-4 graduate hours.

Graduate Student Load

Graduate students may enroll for a maximum of twelve (12) hours of credit during each of the three semesters (Fall, Spring, and Summer) during the academic year. A one-credit-hour overload may be authorized by the program director of the student's major department. A graduate student will be considered full-time if enrolled for nine (9) or more hours of credit during each of the three semesters. Graduate Assistants will be considered full-time if carrying six (6) or more hours. Students receiving financial aid should check with the Financial Aid office for requirements necessary to be considered a full-time student. Permission to take more than the maximum loads stated above requires the written approval of the student's advisor, program director, and Graduate College Dean.

Change of Major

Subject to the approval of the advisor, current program director, new program director, and Dean of Graduate College a graduate student may be allowed to change their major or add an additional certificate or master's degree.

Adding and Dropping Courses

Changes in the class schedule must be made on official forms available at the Registrar's Office, Suite 307, Brown Hall. Failure to follow the correct procedure for making changes in the class schedule may result in the grade of "F" being recorded for the courses involved. Deadlines for adding courses, dropping courses, or changing sections are listed in the graduate calendar in this catalog. Please note: A student accumulating an excessive number of unjustifiable absences in a course may be dropped from the course by the instructor with a grade of "WN."

Repeating a Course

No graduate student may repeat a course for graduate credit except with the written permission of the advisor. The grade from such a repetition as well as the original grade will be counted in computing the grade point average.

Withdrawing

To withdraw officially, the student must report to the Graduate College and the Office of the Registrar to complete a "Withdrawal Application." Failure to follow this procedure may result in a grade of "F" being recorded.

The deadline for officially withdrawing from the University with grades of "W" is the same as the last day for dropping courses. Withdrawing after this date, which is listed in the graduate calendar in this catalog, will result in grades of "F" being recorded for the semester/term. If circumstances justify special consideration, appeals should be directed to the Graduate College Dean.

Courses for Audit

Enrollment in courses for audit requires admission to graduate study at the University, approval of the Vice President for Academic Affairs and the instructor involved, and payment of the regular fee for the course. Audit will be on a "space-available" basis. Students auditing courses are subject to the same regulations as other students with regard to registration, but they do not take examinations nor receive credit for the course. Students may change from taking a course for credit to audit by following the procedure for adding and dropping courses.

Independent Study Courses

Independent study courses are intended for graduate students who have the interest and the ability to investigate a topic not covered in the graduate courses available in their major field of study. The topic, format, and specific requirements of each independent study project must be approved in writing by the supervising instructor, graduate advisor, program director, and Graduate College Dean prior to enrollment for independent study credit. The original copy of the independent study approval form will be kept in the student's file in the Registrar's Office as part of the student's official graduate record. A student may not enroll in an independent study course before completing twelve (12) hours of graduate credit.

Limit on Workshop and Independent Study Credit

No more than six (6) semester hours of graduate course work completed in workshops and/or independent study may be applied to the master's degree.

Assessment Program

Assessment is conducted university-wide to measure student progress toward educational goals, to improve teaching and learning, and to evaluate institutional effectiveness. A number of instruments and techniques are used in the assessment process. In addition to the normal procedures for grading, graduate students may be asked to complete surveys, participate in focus groups, or participate in other assessment activities designed to ensure the continued improvement of the quality of learning. Additional details concerning the University's assessment efforts can be obtained by contacting the Director of Institutional Research and Assessment.

Enrolling In College

Students are urged to acquaint themselves with this catalog thoroughly. It sets forth policies and procedures for enrolling and successfully completing the various programs of study.

The basic responsibilities of selecting a major field, enrolling in the prescribed courses of study in the field, and complying with the University's requirements for graduation rest with the student; however, University personnel will assist the student with problems encountered. Further assistance is offered in the form of capable departmental advisors, a full-time guidance and counseling service, and an appropriate graduation check list to serve as a reminder of the various graduation requirements.

The Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) To review these rights click [here](#).

University Policy

While every effort will be made to conform to catalog announcements, the University reserves the right to adapt its program as may be necessary.

Graduation

Please refer to the section entitled [Graduation Requirements](#) for information pertaining to candidacy, application for graduation, payment of graduation fees, and other graduation requirements.

GRADUATION REQUIREMENTS

Degree Works

Degree Works is a software tool utilized by ATU designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Degree Completion Requirements

1. Develop a planned program of studies (including determined prerequisites) under supervision of designated faculty advisor, with any subsequent modifications approved by the advisor and program director.
1. Complete course work for the degree.
2. Submit an [Application for Graduation](#) This must be done by Reading day of the *semester prior* to the semester of graduation.
3. Successfully complete a thesis, portfolio, comprehensive exam, internship, or research project as set forth in this catalog.
4. Complete the degree within six (6) years from the time unconditional or conditional admission to the program was granted.
5. See specific degree programs for special requirements.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online. Students must apply for graduation by Reading day of the *semester prior* to the semester of graduation.

Commencement

Students must complete all degree requirements prior to participating in the December, May, or August commencement ceremonies. Students completing all degree requirements in the fall semester will participate in the December commencement ceremony; spring semester will participate in the May commencement ceremony; and summer terms will participate in the commencement ceremony held in August. Students will not participate in the commencement ceremony if all degree requirements are not completed prior to the ceremony. Students not completing all requirements will participate in the next scheduled commencement ceremony providing all degree requirements are met. Students taking courses at other institutions must have official transcripts submitted to the Registrar's Office and have completed all degree requirements prior to the commencement ceremony to be allowed to participate.

The candidate is expected to be present at commencement for the conferral of the degree unless written authorization in absentia is granted by the Vice President of Academic Affairs.

Academic regalia shall be worn by the student during the graduation ceremony. No decorations, writings, necklaces, braids, pins, cords, medallions, or other items shall be worn or placed on the gown. Decoration on caps is permitted.

Diplomas may be available at the time of commencement or will be mailed to graduates following commencement.

Absentia Graduation

Requests to graduate in absentia must be in writing and should be forwarded to the Vice President for Academic Affairs at least two (2) weeks prior to the scheduled graduation date. Graduate students who have been approved to graduate in absentia will receive their diplomas by mail after the actual conferral of the degrees.

Financial Obligation

Before any transcript or diploma is issued, the student must have paid any debt owed the University.

Complete course work for the Submit an [Application for Graduation](#) This must be done by Reading day of the *semester prior* to the semester of graduation.

DEGREE PROGRAMS

DOCTOR OF EDUCATION DEGREE

School Leadership

The Ed.D. in School Leadership degree is designed to develop scholar/practitioners who will utilize inquiry-based approaches to solve problems in the school districts of Arkansas and beyond. The degree requires 63 credit hours above the Master's degree.

Cohort-Based Program

The Ed.D. in School Leadership program is a cohort-based program with a maximum number of 15 students admitted to each cohort. Admission to the program occurs once per year and begins during the summer semester. The course rollout is designed to facilitate an efficient use of time, with students in the 33 hour track taking six credit hours per semester and completing the program in a minimum of six semesters. Students with only a masters degree should complete the Ed.S. degree in educational leadership first and then apply for the Ed.D. program when the Ed.S. is completed.

For students who hold an approved Ed.S. degree, reflective of current school leadership standards, consideration for transfer of earned hours will be given through a transcript audit.

Admission Requirements

Students are eligible for admission to the Ed.D. in School Leadership degree program based on completion of all application requirements listed:

- 1 .Applicants must complete the online application.
- 2 .Applicants must pay a \$50.00 nonrefundable application fee.
- 3 .Applicants must hold a master's degree from an accredited college verified by an official transcript. (*If the student possesses only a masters degree, then the application should be for the Ed.S. in Educational Leadership program to complete the first 30 hours of the doctoral program.*)
- 4 .Applicants must have a cumulative grade point average of 3.0 on the master's degree from a regionally accredited institution.
- 5 .Applicants must request a complete undergraduate and graduate official transcript from their bachelor's and master's awarding institution sent directly to the Graduate College via mail or e-script. Mail to: Arkansas Tech University Graduate Admissions, 105 West O Street, Brown Hall, Suite 104, Russellville, AR 72801. E-script to: graduateadmissions@atu.edu.
- 6 .Applicants must provide a writing sample from previous graduate work. This can be in the form of a thesis, research paper, term paper, article, or product from your professional role.
- 7 .Applicants must submit a 500 word essay on your background, professional and academic career goals, and the reason for pursuing a doctoral degree.
- 8 .Applicants must submit three (3) letters of recommendation addressing their professional and/or academic background along with an assessment of their potential for scholarly work.

After all materials are received, applicants will be interviewed by the Faculty Admissions Committee (FAC). These interviews will be held in person or virtually.

Once the interviews are completed, the FAC will meet to make final selections for the cohort and all applicants will be notified regarding the committee's decision.

Academic Advisors

The Director of the Ed.D. program will assist the student in the program of study that leads to the fulfillment of degree requirements. Subsequently, the Director, the department faculty, and the Graduate College monitor the student's progress as they progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

Students who are taking the 63-hour track will take all 7000 and 8000 level courses listed. The 7000 level courses comprise the Ed.S. degree in educational leadership. For those students transferring an Ed.S. degree into the doctoral program, the 8000 level courses listed below will complete the Ed.D. degree.

- 1 .A minimum of 30 semester hours (at the EDS 7000 program level), include the completion of the following courses:

EDLD 7013 The Superintendency and Central Office
EDLD 7023 School Board Relations
EDLD 7033 School Personnel and Business Management
EDLD 7113 Seminar in Current Issues
EDLD 7123 Educational Facilities
EDLD 7133 School Finance for District Level Administration
EDLD 7143 School Accountability Systems
EDLD 7153 District Internship
EDLD 7163 Statistical Methods for District Leaders

EDLD 7173 Advanced Legal Issues

2 .A minimum of 33 semester hours (all at the 8000 level), include the completion of the following courses:

EDLD 8003 Applied Research

EDLD 8013 Scholarly Writing

EDLD 8023 Quantitative Research

EDLD 8033 Qualitative Research

EDLD 8043 Cultural Influences

EDLD 8053 Ethics and Values

EDLD 8063 Dissertation I-Proposal Writing

EDLD 8073 Synthesis Seminar

EDLD 8083 Dissertation II

EDLD 8093 Dissertation III

EDLD 8103 Dissertation IV

- 3 .A dissertation must be completed and approved by the student's Dissertation Chair and Committee before the degree is awarded. Guidelines and procedures for the dissertation process will be communicated to the student through the ATU Dissertation Style Guide.
- 4 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 5 .Completion of all degree requirements within eight (8) years of admission to the degree program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Doctoral Credit**Doctoral Credit Taken Prior to Admission to Arkansas Tech University**

A maximum of eighteen (18) semester hours of EDS transfer credit with a grade point average of "B" or better may be transferred from an accredited graduate school, if the student does not possess an approved Ed.S. degree, and the courses are deemed appropriate by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Doctoral credit earned eight (8) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. All students must take the 33 hour 8000 level courses with their cohort. Therefore, no substitutions will be allowed by transfer for the 8000 level courses.

EDUCATIONAL SPECIALIST DEGREE**Educational Leadership**

The Educational Specialist Degree program is based on the "value-added" concept of preparation of school leaders for district level leadership positions such as superintendent and assistant superintendent.

This program may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Educational Specialist degree program if they meet the requirements listed:

- 1 .Applicants must hold a Master's Degree or equivalent in Educational Leadership.
- 2 .Applicants must hold a Standard Teaching License.
- 3 .Applicants must hold an Administrative License.

Conditional Admission

Applicants must hold a Standard Teaching License. Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve (12) semester hours. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better is achieved. Applicants who do not hold an administrative license but who have completed, or are near completion of, the requirements to obtain one may be admitted conditionally. If a student was admitted conditionally without an administrative license, the condition must be met within completion of twelve (12) semester hours of Ed.S. courses.

Academic Advisors

The academic advisor will assist the student in the program of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor, the Department Graduate Committee, and the Graduate College monitor the student's progress as they progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

- 1 .A minimum of 30 semester hours (all at the 7000 level), include the completion of the following courses:

- EDLD 7013 The Superintendency and Central Office
- EDLD 7023 School Board Relations
- EDLD 7033 School Personnel and Business Management
- EDLD 7113 Seminar in Current Issues
- EDLD 7123 Educational Facilities
- EDLD 7133 School Finance for District Level Administration
- EDLD 7143 School Accountability Systems
- EDLD 7153 District Internship
- EDLD 7163 Statistical Methods for District Leaders
- EDLD 7173 Advanced Legal Issues

- 2 .A portfolio must be successfully completed and approved by a portfolio review committee.
- 3 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 4 .Completion of all degree requirements within six (6) years of admission to the degree program.
- 5 .A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.

Portfolio

A candidate for an Educational Specialist in Educational Leadership must complete a portfolio as part of the program of study for the degree of Educational Specialist. This portfolio is an edited, integrated collection of an Educational Leadership candidate's evidence that competencies have been acquired that are reflective of the current School Leaders Licensure Standards adopted by the state of Arkansas. It is NOT merely a file of course projects, nor is it a scrapbook of professional memorabilia. It is a collection of a student's best work developed during his program of study. It should showcase the student's best work as an Educational Leadership candidate and demonstrate the student's expertise relative to the principles and standards for a district administrator. The portfolio is a collection of documents providing tangible evidence of the wide range of knowledge, dispositions, and skills possessed as a professional. The candidate's portfolio is a work in progress and should be updated regularly throughout one's program of study. It should provide evidence of the value-added concept from a Master Degree Portfolio.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must

send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF ARTS

English and English with TESL option

The Master of Arts in English is a flexible program designed to prepare students for doctoral-level study or for careers in post-secondary teaching, and to provide secondary teachers with a content-specific program to enhance their credentials. Students may complete the program entirely online, on campus in face-to-face classes, or hybrid.

ATU's MA in English with Teaching English as a Second Language (TESL) option offers graduate students an opportunity to include the four courses prescribed by the Arkansas Department of Education for ESL endorsement within a structured degree program. The English with TESL option can prepare students for doctoral-level study or for careers in post-secondary teaching and the degree can also be used to enhance the credentials of secondary teachers.

Students completing the English with the TESL option program should be able to:

- 1 .Demonstrate knowledge of the theory and practice of teaching English as a second language.
- 2 .Generate writing that demonstrates an advanced ability to analyze and synthesize.
- 3 .Conduct original research.

Students who complete the English program should be able to:

- 1 .Demonstrate mastery of significant American and British literary works.
- 2 .Generate writing that demonstrates an advanced ability to analyze and synthesize.
- 3 .Conduct original research.
- 4 .Demonstrate familiarity with a variety of critical approaches.

Unconditional Admission

Students are eligible to apply for unconditional admission to the MA degree program in English if they meet the admission requirements for the [Graduate College](#).

Conditional Admission

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve (12) semester hours. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better is achieved.

Academic Advisors

The Head of the English Department will assign a faculty advisor to each student admitted to the MA degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor and the Graduate College monitor the student's progress. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements for English

- 1 .The completion of at least 30 semester hours of graduate course work, at least 15 semester hours at the 6000 level.
- 2 .Satisfactory completion of ENGL 6003 Introduction to English Graduate Study Introduction to English Graduate Study.
- 3 .The satisfactory completion of 27 semester hours of graduate English electives (non-thesis option), or 21 semester hours and six (6) hours of ENGL 6991 Thesis Research-6 Thesis Research or ENGL 6996 Thesis Research Thesis Research (thesis option).
- 4 .The satisfactory completion of a comprehensive examination based on the MA in [English Examination Reading List](#).
- 5 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 6 .The completion of a minimum of 24 semester hours of graduate course work in residence at Arkansas Tech University. Full-time residence is not required.
- 7 .The completion of all degree requirements within six (6) years of admission.

Degree Requirements for English with TESL Option

- 1 .The MA with TESL option requires 30 semester hours with at least 15 semester hours at the 6000 level.

- 2 .The satisfactory completion of the following graduate English courses
ENGL 5023 Second Language Acquisition
ENGL 5703 Teaching English as a Second Language
ENGL 5713 ESL Assessment
ENGL 5723 Teaching People of Other Cultures
ENGL 6003 Introduction to English Graduate Study
ENGL 6013 Modern English Grammar and Usage
ENGL 6023 Composition Theory and Practice.
- 3 .The satisfactory completion of nine (9) semester hours of graduate English or TESL electives.
- 4 .The satisfactory completion of an examination based on three (3) ENGL-prefixed or TESL-prefixed courses selected by the student.
- 5 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 6 .The completion of a minimum of 24 semester hours of graduate course work in residence at Arkansas Tech University. Full-time residence is not required.
- 7 .The completion of all degree requirements within six (6) years of admission to the program.

Master's Thesis Option

Students who elect the thesis option will work with a faculty advisor to prepare a thesis plan. After this thesis plan is approved by the Head of the Department of English and the Graduate College Dean, the student may enroll for thesis credit. Students may complete their theses over two semesters by enrolling twice in ENGL 6993 Thesis Research or complete their theses in a single semester while enrolled in ENGL 6996 Thesis Research.

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF ARTS IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

The Master of Arts degree in Teaching English to Speakers of Other Languages (TESOL) includes the four courses prescribed by the Arkansas Department of Education for ESL endorsement within a flexible degree program. The MA in TESOL can enhance the credentials of K-12 teachers, prepare students for careers in post-secondary teaching in the United States or overseas, and serve as a foundation for doctoral-level studies.

This program may be completed online.

Students who complete the MA in TESOL should be able to:

- 1 .Demonstrate knowledge of the theory and practice of teaching English to speakers of a second language.

2. Generate writing that demonstrates an advanced ability to analyze and synthesize.
3. Conduct original research.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Arts degree program in TESOL if they meet the admission requirements for the [Graduate College](#).

Conditional Admission

Applicants who fail to meet all of the departmental requirements may be accepted conditionally provided the deficiencies are completed prior to the completion of twelve (12) semester hours of graduate work.

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve (12) semester hours. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better is achieved.

Academic Advisors

The director of the program will assign a faculty advisor to each student admitted to the degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor, the Department Graduate Committee, and the Graduate College monitor the student's progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Master of Arts degree in Teaching English to Speakers of Other Languages (TESOL)

Degree Requirements

completion of at least 30 credit hours of graduate course work, at least 15 of which must be at the 6000.

1. The satisfactory completion of the following graduate courses.
 - TESL 5023 Second Language Acquisition or ENGL 5023 Second Language Acquisition *
 - TESL 5703 Teaching English as a Second Language or ENGL 5703 Teaching English as a Second Language *
 - TESL 5713 ESL Assessment or ENGL 5713 ESL Assessment *
 - TESL 5723 Teaching People of Other Cultures or ENGL 5723 Teaching People of Other Cultures *

TESL or ENGL 5000-6000 level Electives selected from the following (18 semester hours):

TESL 6003 Linguistics for ESL Teachers
 TESL 6013 Modern English Grammar and Usage or ENGL 6013 Modern English Grammar and Usage
 TESL 6023 Language and Society
 TESL 6063 Instructional Strategies in Content Areas
 TESL 6083 Seminar in Teaching English to Speakers of Other Languages **
 TESL 6123 Teaching Writing to English Language Learners
 TESL 6133 Teaching Listening and Speaking to English Language Learners
 TESL 6143 Teaching Reading to English Language Learners
 TESL 6863 TESOL Practicum or ENGL 6863 TESL Practicum ***
 ENGL 5083 Seminar: English Language **
 ENGL 6023 Composition Theory and Practice.
 ENGL 6033 Rhetoric
 ENGL 6083 Seminar in Linguistics **
 ENGL 6283 Literature and Society **

**Note: These four courses compose the course work required by the Arkansas Department of Education for an ESL endorsement to an Arkansas Teaching License.*

***Note: These four courses are offered with different topics and may be repeated for credit if the topic differs.*

****Note: Students who complete TESL 6863 TESOL Practicum as one of their electives are exempt from the M.A. Examination requirement.*

1. The satisfactory completion of an examination based on two MA TESOL courses selected by the student. Licensed teachers who complete [TESL 6863 TESOL Practicum](#) are exempt from the examination requirement.
2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
3. The completion of a minimum of 24 semester hours of graduate work at Arkansas Tech University. Full-time residence is not required.
4. The completion of all degree requirements within six (6) years of admission to the degree program.

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

1 .The satisfactory completion of the following 15 semester hours of graduate work.

TESL 5023 Second Language Acquisition or ENGL 5023 Second Language Acquisition

TESL 5703 Teaching English as a Second Language or ENGL 5703 Teaching English as a Second Language

TESL 5713 ESL Assessment or ENGL 5713 ESL Assessment

TESL 5723 Teaching People of Other Cultures or ENGL 5723 Teaching People of Other Cultures

TESL 6003 Linguistics for ESL Teachers

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF ARTS IN MULTI-MEDIA JOURNALISM

Master of Arts in Multimedia Journalism is a professional program offering students advanced storytelling training. Students learn and practice how to find, how to get, and how to tell the story via print, audio, video, infographic, picture, and social media in today's digital environment. To prepare students for careers in the rapidly changing media landscape, the multimedia program provides diverse production courses in a sequence. In other words, students are required to take at least five production classes from a basic multimedia writing class to the most advanced production class across digital media platforms one after another.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Arts degree program in Multi-Media Journalism if they meet the following requirements:

- 1 .Applicants must meet admission requirements for [Graduate College](#).
- 2 .Applicants must present a 500 word writing sample to the Director of the Multi-Media Journalism Program.
- 3 .Applicants must successfully complete a writing and technology performance review by the Journalism Graduate Committee following the applicant's first academic year in the program required.
- 4 .Approval from the Program Director.

Conditional Admission

Applicants who fail to meet all of the departmental requirements may be accepted conditionally provided the deficiencies are completed prior to the completion of twelve (12) semester hours of graduate work.

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve (12) semester hours.

If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better has been achieved.

Academic Advisors

The director of the program will assign a faculty advisor to each student admitted to the degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently the academic advisor, the Journalism Graduate Committee, and the Graduate College monitor the student's progress as he/she progresses through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

1. The completion of a minimum of 30 semester hours of graduate work including the following courses:

JOUR 5023 Social Media
 JOUR 5043 Journalism Ethics
 JOUR 6013 Visual Storytelling
 JOUR 6023 Video Production for New Media
 JOUR 6053 Media Effects
 JOUR 6133 Multi-Media Publishing
 JOUR 6193 Journalistic Writing for Multi-Media
 JOUR 6331 Professional Portfolio
 Electives 6 Hours*

*Electives may be chosen from the following Journalism courses.

JOUR 5033 Community Journalism
 JOUR 5053 Mass Communication Seminar
 JOUR 5073 Graphic Communication
 JOUR 5083 Internet Communication
 JOUR 5113 History of American Journalism
 JOUR 5123 Laws of Communication
 JOUR 5163 Advanced Photography
 JOUR 5243 Journalism Writing Seminar

2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
3. Satisfactory completion of the professional project.
4. Completion of all degree requirements within six (6) years of admission to the degree program.
5. A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF ARTS IN TEACHING

Middle Childhood & Secondary Education

The University has an interest for providing additional opportunities for individuals to become highly qualified teachers in Arkansas. The Master of Arts in Teaching is a program of study to prepare candidates for teacher licensure in Arkansas.

Candidates who complete the program of study may be recommended to Arkansas Department of Education for licensure as teachers in the grade ranges and content areas listed below:

Middle Childhood, grades 4 - 8

Secondary Education, grades 7 - 12

Art, Business, Life/Earth Science

English, Physical/Earth Science

Mathematics, Physical Education, Wellness and Leisure

Social Studies, Music (Instrumental & Vocal)

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Arts degree program in Teaching if they meet the following requirements:

- 1 .Applicants must meet the admission requirements for the [Graduate College](#).
- 2 .Applicants must meet a minimum undergraduate cumulative GPA of 2.75 or a 3.0 GPA in the last 30 hours.
- 3 .Approval from the Program Director.

Conditional Admission

Applicants who fail to meet all of the departmental requirements may be accepted conditionally provided certain deficiencies are met prior to the completion of twelve (12) semester hours of graduate work.

Academic Advisors

The academic advising process for degree students begins at the time that the student is admitted to the Graduate College. When the student is admitted, they need to meet with the Program Director for an advising and orientation session at the student's earliest convenience.

When the student meets with the program director, he/she is given an orientation, a master's degree program check-off list which outlines all major steps in completing the degree and a degree plan outline, a list of courses to be completed. This initial advising session ensures that the student is informed of all degree requirements, policies, and procedures; is familiar with the department and program director; and is assigned to an advisor (usually the program director). Subsequently, the academic advisor and the Graduate College monitor the student's progress as they progress through the program. It remains, however, the student's responsibility to understand and satisfy all degree requirements.

The graduate academic advisor is responsible for:

- 1 .Helping the student plan a balanced program of graduate work adapted to the student's particular interests, needs and abilities.
- 2 .Advising and assisting the student during the completion of the requirements for the degree.
- 3 .Assisting the student in preparing for the internship.
- 4 .Ensuring that the student is aware of assistance and services provided for graduate students by various university offices.

Degree Requirements

1. Thirty-six semester hours must be completed.

Core Courses (18 hours)

MAT 5703 Technology for Teaching and Learning
 MAT 6503 Classroom Behavioral Management
 MAT 6043 Principles and Theories of Learning
 MAT 6003 Educational Research
 MAT 6053 The At-Risk Child in the School Environment
 MAT 6403 Social, Historical, and Legal Factors in Education

Middle/Secondary (18 hours)

MAMS 5333 Teaching Literacy in the Content Areas
 MAMS 6303 Models of Teaching
 MAMS 6063 Educational Assessment
 MAMS 5303 Middle School Philosophy and Organization
 MAMS 6806 Internship - all coursework in program must be completed before enrolling in this course

Extra courses required by Arkansas State Department for licensure purposes:

Arkansas History (*Middle Level and Secondary social studies majors*)
 Completion of a Prescribed Pathway for Awareness Level Certificate for scientific reading instruction.
 A Human Development Course based on the major (*Middle Level or Secondary Level*)
 An internship in the public school must be successfully completed.

2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
3. Twenty-Seven hours of graduate work must be taken while in residence at Arkansas Tech University*. Full-time residence is not required.
4. The master's degree program must be completed within six (6) years from the time of admission to the graduate program.
5. A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the program director or department head.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF BUSINESS

Administration

The Master of Business Administration (MBA) program provides a graduate business program for students wishing to further their education in business beyond the undergraduate level. The program offers 1) the general business track, 2) MBA with a Business Data Analytics concentration, and 3) MBA with a Digital Marketing concentration. All the MBA courses are offered online. The goal of the program is to prepare students for a successful business career in management and leadership roles with an emphasis on helping students develop important information analytical abilities and data driven decision-making skills needed in today's fast-paced business world.

Program Prerequisites

Students will be required to demonstrate proficiency in the course areas listed below whether they are admitted unconditionally or conditionally to the MBA degree program. Proficiency can be demonstrated by:

- 1 .Courses from an accredited university corresponding with those listed below; or
- 2 .Certification of proficiency from an approved source for each of the areas listed below; or
- 3 .A combination of 1 and 2 above.

Required Prerequisite Courses

- Principles of Accounting I & II,
- Principles of Economics I & II,
- Business Finance, and
- Business Statistics.

A student is required to have a "C" or better grades in the required prerequisite courses. If a student has a "D" in any required prerequisite course, the student needs to show proficiency by completing an undergraduate course with a "C" or better grades or by successfully completing a designated online module after the student is accepted conditionally into the program.

Unconditional Admission

Students are eligible to apply for unconditional admission to the MBA degree program if they meet the following:

- 1 .Admission Requirements for the Graduate College
- 2 .Students will also be required to meet one of the following standards:
 - An overall 3.50 GPA from an AACSB or ACBSP accredited business undergraduate program; *or*
 - A score of 1,000 using the formula $[GMAT + 200 * GPA = 1,000]$ with a minimum GPA of 2.75 from an accredited undergraduate program or a score of 1,050 using the formula $[GMAT + 200 * GPA = 1,050]$ with a GPA for the last 60 hours from an AACSB or ACBSP accredited business undergraduate program. In addition, a minimum GMAT of 450. A GMAT test score must be taken within the last five (5) years; *or*
 - A minimum combined GRE score equivalent to GMAT of 450. Please check the link at ETS website for the conversion: https://www.ets.org/gre/institutions/about/mba/comparison_tool. After a combined GRE score is converted into a GMAT score, the GMAT score should also meet a score of 1,000 using the formula $[GMAT + 200 * GPA = 1,000]$ with a minimum overall GP A of 2.75 from an accredited undergraduate program or a score of 1,050 using the formula $[GMAT + 200 * GPA = 1,050]$ with a GPA for the last 60 hours from an AACSB or ACBSP accredited business undergraduate program. A GRE test score must be taken within the last five (5) years.

Conditional Admission

A minimum overall undergraduate GPA of 2.75 from an accredited undergraduate program or a minimum 3.0 GPA for the last 60 hours from an AACSB or ACBSP accredited business undergraduate program.

Students not meeting the grade point requirement specified for the unconditional admission may be admitted conditionally to enroll for a maximum of six (6) credits per semester. If a student earns a cumulative GPA of 3.25 or better upon completion of twelve (12) credit hours of 6000-level MBA courses, the student will be moved from conditional to unconditional admission. If a student fails to meet this requirement, the student will not be allowed to continue in the program unless the minimum GRE/GMAT scores for the unconditional admission are achieved.

The GMAT/GRE requirement is waived for the following conditions if a student meets the requirements of the conditional admission.

- 1 .5 years of progressively responsible positions at a supervisory or managerial level;
- 2 .Minimum three years of managerial experience with a 3.20 overall GPA from an AACSB or ACBSP accredited business undergraduate program;
- 3 .Professional certifications: CPA, CFA, CFP, CTP (Certified Treasury Professional), and PMP (Project Management Professional);
- 4 .A master's degree from AACSB or ACBSP accredited schools or a terminal degree such as Ph.D., MD, JD, etc.

If a student has an overall undergraduate GPA below 2.75 from an accredited undergraduate program, the student may be admitted conditionally if the student meets the admission requirements for the Graduate College and one of the following requirements:

- 1 .The student meets the minimum GRE/GMAT scores for the unconditional admission;
- 2 .The student has at least 5 years of progressively responsible positions at a supervisory or managerial level;
- 3 .Approval from the College of Business Admissions Committee.

Academic Advisors

The College of Business will assign an academic advisor to each student admitted to the MBA degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor and the Graduate College monitor the student's progress. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Core Curriculum

The core curriculum includes eight courses (24 hours)

ACCT 6103 Accounting Analysis
 BDA 6203 Business Information Analysis
 ECON 6103 Managerial Economics
 FIN 6103 Corporate Financial Management
 MGMT 6103 Organizational Management and Leadership
 MGMT 6203 Decision Modeling in Supply Chain Management
 MGMT 6903 Corporate Strategic Management
 MKT 6103 Digital Marketing Strategy

Degree Requirements

The MBA program offers 1) The general business track, 2) MBA with a Business Data Analytics concentration, 3) MBA with a Digital Marketing concentration, as well as, 3 graduate certificate options.

1) **General Business Track (30 credit hrs)**

MBA Core Curriculum (24 credit hours) (see above)

Electives (6 credit hrs)

Note that the 6 hours electives may be chosen from any MBA courses other than the core courses.

2) **MBA with a Business Data Analytics Concentration (33 credit hrs)**

MBA Core Curriculum (24 credit hours) (see above)

MBA Business Data Analytics Electives (9 credit hrs)

Required:

BDA 6343 Advanced Analytics
 BDA 6363 Analytics Strategy

Elective:

BDA 6353 Big Data Strategies
 BDA 6073 Special Topics

Note that an elective may be offered to substitute one of the required courses.

3) **MBA with a Digital Marketing Concentration (33 credit hrs)**

MBA Core Curriculum (24 credit hours) (see above)

BDA 6323 Applied Predictive Analytics or MKT 6323 Applied Predictive Analytics

MBA - Digital Marketing Electives (9 credit hrs)

MKT 6113 Strategic Social Media Marketing
 MKT 6153 Consumer Insights
 MKT 6093 Special Topics in Marketing

Graduate Certificate in Business Administration (12 credit hrs)

BDA 6203 Business Information Analysis
 MGMT 6203 Decision Modeling in Supply Chain Management

and two courses from the following electives:

BDA 6323 Applied Predictive Analytics / MKT 6323 Applied Predictive Analytics

MGMT 6103 Organizational Management and Leadership

MKT 6103 Digital Marketing Strategy

MKT 6113 Strategic Social Media Marketing

Graduate Certificate in Business Data Analytics (12 credit hrs)

BDA 6203 Business Information Analysis

BDA 6323 Applied Predictive Analytics

BDA 6343 Advanced Analytics

BDA 6363 Analytics Strategy

Graduate Certificate in Digital Marketing (12 credit hrs)

MKT 6103 Digital Marketing Strategy

MKT 6323 Applied Predictive Analytics

MKT 6113 Strategic Social Media Marketing

MKT 6153 Consumer Insights

2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on Academic Probation and Dismissal.

3. The completion of a minimum of 24 semester hours of graduate course work in residence at Arkansas Tech University. Full-time residence is not required.

4. The completion of all degree requirements within six (6) years of admission to the program.

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF EDUCATION

MASTER OF EDUCATION PROGRAM REQUIREMENTS

Contact

Dr. Theresa Cullen

Department Chair

Crabaugh Hall, Room 203

479-964-0583 ext 2564

tcullen@atu.edu

The University has an interest in meeting the professional growth and advancement needs of certified teachers and professionals in the service region. The Master of Education includes majors in Educational Leadership; Instructional Technology-Library Media K-12; Instructional Technology-Instructional Design and Technology; School Counseling and Leadership; Special Education K-12; Teaching, Learning and Leadership; and Secondary Education.

Majors within the Master of Education

- [Educational Leadership](#)
 - [Instructional Technology](#)
 - K-12 Library Media Option
 - Instructional Design & Technology Option
 - [K-12 Literacy](#)
 - [K-12 Special Education](#)
 - [School Counseling & Leadership](#)
 - [Teaching, Learning, & Leadership](#)
-

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree programs if they meet the admission requirements for Graduate College, and meet any additional degree requirements listed for individual programs.

Conditional Admission

Applicants who fail to meet all of the departmental requirements may be accepted conditionally provided the deficiencies are completed prior to the completion of twelve (12) semester hours of graduate work.

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve (12) semester hours. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better is achieved.

Academic Advisors

The academic advising process for degree students begins at the time student is admitted to Graduate College. When the student is admitted, the student's program director invites him/her to come in for an advising and orientation session at the student's earliest convenience. When the student meets with the program director, he/she is given an orientation, a master's degree program check-off list (outlines all major steps in completing the degree), and a degree plan outline (list of courses to be completed). This initial advising session ensures the student is informed of all degree requirements, policies, and procedures; is familiar with the department and the program director; and is assigned to an advisor (usually the program director). Subsequently, the academic advisor and the Graduate College monitor the students' as they progress through the program. It remains, however, the student's responsibility to understand and satisfy all degree requirements.

The graduate academic advisor is responsible for:

- 1 .Helping the student plan a balanced program of graduate work adapted to the student's particular interests, needs, and abilities.
- 2 .Advising and assisting the student during the completion of the requirements for the degree.
- 3 .Assisting the student in preparing a thesis or project in educational research.
- 4 .Ensuring the student is aware of assistance and services provided for graduate students by the various university offices.

General Requirements

- 1 .Thirty-six semester hours must be completed, 18 of which must be at the 6000 level.
- 2 .Degrees in Educational Leadership require 34 hours, School Counseling requires 45 hours, and Teaching, Learning and Leadership require 38 hours at the 6000 level or above.

- 3 .A core requirement in professional education (at least 18 semester hours) must be completed.
- 4 .An approved thesis, portfolio, or project in educational research must be successfully completed.
- 5 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" grades or grades lower than "C" should refer to the section of the catalog on "Academic Probation and Suspension."
- 6 .Twenty-seven hours of graduate work must be taken while in residence at Arkansas Tech University. Full-time residence is not required.
- 7 .The master's degree program must be completed within six (6) years from the time of admission to the graduate program.

Candidacy

Graduate students admitted unconditionally must apply for candidacy to the selected degree program upon completion of twelve (12) graduate credit hours. Students admitted conditionally cannot apply for candidacy until all conditions assigned at the time of admission to graduate study have been removed.

Upon the completion of twelve (12) graduate hours, a hold will be placed on the students' record until a candidacy form has been approved by the Graduate Dean. Failure to apply for candidacy will result in the hold remaining on the students' record, and an inability to register for subsequent coursework.

Students who have filed a candidacy form but do not enroll or receive graduate credit for one (1) academic year must submit a new candidacy form upon being readmitted into the same graduate program. If admitted into a different academic program, students are not required to submit a new candidacy form until twelve (12) graduate credits have been accumulated within the new program.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Registrar's Office. Students must apply for graduation upon completion of twelve (12) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

Students must petition for acceptance of any transfer credit on the graduate program candidacy form. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Dean of Graduate College. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

Project in Educational Research

All candidates for a M.Ed. degree must complete either a project in educational research related to their major/specialization or a portfolio. Under unusual circumstances, a written comprehensive exam may be used to replace the action research project. Any request for this substitution should be made to the program director.

MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP

The Master of Education (M.Ed.) in Educational Leadership is designed to prepare candidates for licensure as a principal or assistant principal at the building level. The program of study reflects the Professional Standards for Educational Leaders (PSEL), the National Educational Leadership Preparation (NELP) "Building Level" Standards, and the current School Leadership Standards adopted by the state of Arkansas.

This program may be completed online.

Unconditional Admission

Note: Except for #1 and #8, admissions requirements reflect expectations from the Arkansas Division of Elementary and Secondary Education (DESE) for Educational Leadership programs throughout the state.

Students are eligible for unconditional admission to the Master of Education degree in **Educational Leadership** if they meet the following requirements:

- 1 .Applicant must meet all admissions criteria for the ATU Graduate College.
- 2 .Applicant must be proficient in English.
- 3 .Applicant must hold a valid Arkansas Educator's License.
- 4 .Applicant must provide documentation of at least three years teaching experience. (A letter from the Superintendent or designee is required.)
- 5 .Applicant must provide documentation of a current "effective" or "highly-effective" TESS rating. (If applicant is from outside Arkansas, then an equivalent rating may be substituted.)

6. Applicant must provide documentation of the appropriate Pathways Proficiency Credential or evidence that he/she is currently progressing along one of the Pathways for Proficiency approved by DESE. If the latter, Phase 1 training documentation is required prior to graduation or program completion.
7. Applicant must provide three letters of recommendation from principals, superintendents, college faculty, or similar educational leaders that attest to the applicant's potential for effective educational leadership. Helpful documentation may include any of the following:
 - National Board Certified Teacher
 - Leadership Training (Teacher Leader Academy, ESL Academy, etc.)
 - Related Micro-credentials (effective teaching, leadership, etc.)
 - Evidence of ability to raise student achievement
 - Other evidence adult leadership activities
1. Application must be approved by the EDLD Program Director.

Note: If some of the above requirements are not met, the student may still be eligible for conditional acceptance. Contact the EDLD Program Director for details.

[View All Program Requirements](#)

Degree Requirements

1. The student must complete a minimum of 34 semester hours (all at the 6000 level) including the following courses:
 - [EDLD 6002 Administrative Law](#)
 - [EDLD 6013 School Organization and Leadership](#)
 - [EDLD 6023 Organizational Change](#)
 - [EDLD 6102 School Finance](#)
 - [EDLD 6113 Action Research and Data Analysis](#)
 - [EDLD 6153 Communication with School and Community](#)
 - [EDLD 6203 Education and Society: Continuities and Discontinuities](#)
 - [EDLD 6253 Instructional Leadership](#)
 - [EDLD 6313 Principles of Curriculum for School Leadership](#)
 - [EDLD 6352 Physical Environment of Schools](#)
 - [EDLD 6402 Working with the Marginal Performer](#)
 - [EDLD 6552 Administrative Internship](#) (*The candidate is to register for internship for both the fall and spring semesters of the same academic year, for a total of four (4) credit hours.*)
 - [EDLD 6991 Professional Portfolio](#)
2. The student must create a portfolio that provides evidence of the candidate's competency as it relates to both state and national standards. The portfolio is not simply a file of course projects or a scrapbook of professional memorabilia. It is an extensive collection of materials that provides tangible evidence of the wide range of related knowledge, dispositions, and skills necessary to function as an effective educational leader. The portfolio is a work in progress that is updated regularly throughout the program, and must be presented to the Portfolio Review Committee for approval before graduation.
3. The student must achieve a cumulative grade point average of 3.00 or better in all graduate work attempted at Arkansas Tech University. This may include no more than six (6) hours of "C" grades. Students who are unable to maintain this standard should refer to the *Academic Probation and Dismissal* section of the catalog.
4. Coursework from other institutions of higher education will only be transferred from institutions that have received program approval for a program of study reflective of the current School Leader Licensure Standards adopted by the state of Arkansas.
5. Online coursework will be supplemented by focused, on-campus experiences.

P-12 Building Level Administrator Graduate Certificate

1. The student must complete a minimum of 25 semester hours (all at the 6000 level) including the following courses:

[EDLD 6002 Administrative Law](#)
[EDLD 6023 Organizational Change](#)
[EDLD 6102 School Finance](#)
[EDLD 6153 Communication with School and Community](#)
[EDLD 6203 Education and Society: Continuities and Discontinuities](#)
[EDLD 6253 Instructional Leadership](#)
[EDLD 6313 Principles of Curriculum for School Leadership](#)
[EDLD 6402 Working with the Marginal Performer](#)
[EDLD 6552 Administrative Internship](#) (2 semesters)

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program

while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF EDUCATION IN INSTRUCTIONAL TECHNOLOGY

The Master of Education degree with a specialization in Instructional Technology contains two program options. In addition, the M.Ed in Instructional Technology program offers a graduate certificate in Online Teaching.

Options

- [Library Media Specialist, K-12](#)
- [Instructional Design & Technology](#)
- [Certification in Online Teaching](#)

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in Instructional Technology if they meet the admission requirements for the [Graduate College](#).

Conditional Admission

Applicants who fail to meet the minimum requirements for admission have the opportunity for conditional admission if the applicant has an Arkansas Teaching License and meets the minimum graduate admission standards and upon a successful appeal to the program director. Students admitted under a conditional status must earn a cumulative 3.0 GPA on the first twelve (12) graduate hours in the program.

[View all Program Requirements](#)

Library Media Specialist, K-12

Candidates for the Master of Education degree with a specialization in instructional technology must complete 30 semester hours of graduate-level course work that includes educational media, library media, or information technology courses noted below in the degree requirements for each option. In addition, the candidate must complete professional education coursework noted below in the degree requirements for each option. Please note the differences in licensure requirements of the two options.

Degree Requirements

*This program may be completed online and requires a valid Arkansas teacher license**

Curriculum

[EDFD 6003 Educational Research](#)
[EDMD 6233 Administration of Media Programs](#)
[EDMD 6433 Practicum in Educational Media](#)
[LBMD 6003 Collection Development and Management](#)

LBMD 6023 Classification and Cataloging
LBMD 6033 The Instructional Role of the Library Media Specialist
LBMD 6403 Literature for Children and Young Adults
LBMD 6503 School Librarian: Leadership and Collaboration

**In addition to holding a valid Arkansas teaching license, after completing the master's degree, candidates must attain the minimum score as established by the Arkansas Department of Education on the Media Specialist-Library specialty area section of the Praxis Assessment Series to be considered for Arkansas Library Media Specialist, K-12 licensure.*

Electives: Six (6) hours of additional instructional technology electives from the following courses. to meet the 30 semester hour degree requirement.

Technology Electives

EDMD 6163 Internet Resources

EDMD 6133 Production of Digital Instructional Materials

EDMD 6303 Survey of Instructional Technology

EDMD 6313 Instructional Design and Product Development

EDMD 5043 Foundations of Online Curriculum Design and Evaluation

EDMD 5053 Online Course Development with Multimedia

Instructional Design & Technology

Candidates for the Master of Education degree with a specialization in instructional technology must complete 30 semester hours of graduate-level course work that includes educational media, library media, or information technology courses noted below in the degree requirements for each option. In addition, the candidate must complete professional education coursework noted below in the degree requirements for each option. Please note the differences in licensure requirements of the two options.

Degree Requirements

This program does not require an Arkansas teaching license.

Curriculum

EDFD 6003 Educational Research
EDFD 6043 Principles and Theories of Learning
EDFD 6313 Principles of Curriculum Development **OR** EDMD 5053 Online Course Development with Multimedia
EDMD 5033 Introduction to Instructional Technology
EDMD 6133 Production of Digital Instructional Materials
EDMD 6163 Internet Resources
EDMD 6303 Survey of Instructional Technology **OR** EDMD 6113 Emerging Technologies for Education and Training
EDMD 6313 Instructional Design and Product Development **OR** EDMD 5043 Foundations of Online Curriculum Design and Evaluation

Electives: Six (6) hours of additional instructional technology approved graduate-level

Additional Requirements

- A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.

Instructional Design & Technology

Candidates for the Master of Education degree with a specialization in instructional technology must complete 30 semester hours of graduate-level course work that includes educational media, library media, or information technology courses noted below in the degree requirements for each option. In addition, the candidate must complete professional education coursework noted below in the degree requirements for each option. Please note the differences in licensure requirements of the two options.

Degree Requirements

This program does not require an Arkansas teaching license.

Curriculum

EDFD 6003 Educational Research
 EDFD 6043 Principles and Theories of Learning
 EDFD 6313 Principles of Curriculum Development
 EDMD 5033 Introduction to Instructional Technology
 EDMD 6133 Production of Digital Instructional Materials
 EDMD 6163 Internet Resources
 EDMD 6303 Survey of Instructional Technology
 EDMD 6313 Instructional Design and Product Development

Electives: Six (6) hours of additional instructional technology approved graduate-level electives to meet the 30 semester hour degree requirement.

Additional Requirements

- A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- Completion of all degree requirements within six (6) years of admission to the degree program.
- A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.

Online Teaching

This program includes coursework in Curriculum and Instruction, specifically educational media, that prepares licensed teachers interested in teaching online. The program has two options Certificate and Endorsement.

This certificate/endorsement may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Certificate in Online Teaching program if they meet the admission requirements for the [Graduate College](#).

Conditional Admission

Applicants who fail to meet the minimum requirements for admission have the opportunity for conditional admission if the applicant meets the minimum graduate admission standards and upon a successful appeal to the program director. Students admitted under a conditional status must earn a cumulative 3.0 GPA on the first twelve (12) graduate hours in the program.

Certification for Online Teaching (12 hours)

The 12 hr Certificate option will provide an additional skillset for graduate students working toward a teacher licensure.

EDMD 5033 Introduction to Instructional Technology / [MAT 5703 Technology for Teaching and Learning](#)
 EDMD 5043 Foundations of Online Curriculum Design and Evaluation
 EDMD 5053 Online Course Development with Multimedia
 EDMD 5063 Advanced Curriculum Design for the Online Classroom

Endorsement for Online Teaching (15 hours)

The 15 hr Endorsement Option requires graduate students to hold a valid state of Arkansas teacher's license and pass the state of Arkansas endorsement exam.

EDMD 5033 Introduction to Instructional Technology / [MAT 5703 Technology for Teaching and Learning](#)
 EDMD 5043 Foundations of Online Curriculum Design and Evaluation
 EDMD 5053 Online Course Development with Multimedia
 EDMD 5063 Advanced Curriculum Design for the Online Classroom

EDMD 6113 Emerging Technologies for Education and Training

Degree Works

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Application for Graduation

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Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF EDUCATION IN K-12 LITERACY

This 36-hour Master in Education program will prepare K-12 Literacy Specialists to work with students and other professionals in continuously improving the literacy knowledge and skills of the students in the school/district and to serve as professional advocates in this area.

This program may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in K-12 Literacy if they meet the admission requirements for [Graduate College](#).

Conditional Admission

Applicants who fail to meet the minimum requirements for admission have the opportunity for conditional admission if applicant meets the minimum graduate admission standards and upon a successful appeal to the program director. Students admitted under a conditional status must earn a cumulative 3.0 GPA on the first twelve (12) graduate hours in the program.

[View All Program Requirements](#)

Degree Requirements

1. Candidates for the Master of Education degree in K-12 Literacy education must complete the 36 semester hour degree program.

Dyslexia Therapist, K-12 Licensure Endorsement Courses* (15 hours)

DYS 5003 Dyslexia and Other Learning Disorders

DYS 5013 Foundation of Language and Literacy Development

DYS 5023 Interpreting and Administration of Assessments for Planning Instruction

DYS 5033 Professional Learning and Leadership

DYS 5043 Structured Language Teaching

**These courses are required to meet the Dyslexia Therapist, Grades K-12 Licensure Endorsement in Arkansas.*

K-12 Literacy (21 hours)

[EDFD/MAT 6003 Educational Research](#)

MAMS 5333 Teaching Literacy in the Content Areas, ELED 5333 Teaching Reading and Study Strategies in the Content Area, or SEED 5333 Teaching Reading and Study Strategies in the Content Area depending on content area

[RDNG 5023 Literacy Curriculum Design and Analysis](#)

RDNG 5053 Literacy, Technology, and the Reading Environment

[RDNG 6043 Multicultural Literacy, Language, and Culture](#)

[RDNG 6086 Reading Practicum](#)

- 2 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 3 .A minimum of 27 semester hours of graduate course work completed at Arkansas Tech University.
- 4 .Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF EDUCATION IN K-12 SPECIAL EDUCATION

The Master of Education in Special Education is designed to provide post baccalaureate preparation for public school teachers who wish to broaden their knowledge of teaching children with exceptional learning needs.

This program may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in Special Education if they have an Arkansas Teaching License and meet the admission requirements for the [Graduate College](#).

Conditional Admission

Applicants who fail to meet the minimum requirements for admission have the opportunity for conditional admission if the applicant has an Arkansas Teaching License and meets the minimum graduate admission standards and upon a successful appeal to the program director. Students admitted under a conditional status must earn a cumulative 3.0 GPA on the first twelve (12) graduate hours in the program.

[View All Program Requirements](#)

Degree Requirements

1. Candidates for the Master of Education Degree with a major in Special Education must complete the 36 semester hour degree program.

Special Education Degree Requirements (36 hours)

EDFD 6003 Educational Research
EDFD 6503 Classroom Behavioral Management
EDFD 6313 Principles of Curriculum Development
EDFD 6993 Project in Educational Research
ELED 6343 Literacy Assessment and Intervention
DYS 5003 Dyslexia and Other Learning Disorders
SPED 5003 Characteristics of Children with Exceptionalities
SPED 5013 Assessment of Children with Exceptional Learning Needs
SPED 5023 Planning Instruction for Children with Exceptional Learning Needs, Grades K-6
SPED 5033 Working with Families of Children with Exceptional Learning Needs
SPED 5053 Planning Instruction for Children with Exceptionalities, 7th - 12th Grades
SPED 5063 Supervised Practicum, Grades K - 12

Special Education K-12 Instructional Specialist - Graduate Certificate (21 hours)*

DYS 5003 Dyslexia and Other Learning Disorders
SPED 5003 Characteristics of Children with Exceptionalities
SPED 5013 Assessment of Children with Exceptional Learning Needs
SPED 5023 Planning Instruction for Children with Exceptional Learning Needs, Grades K-6
SPED 5033 Working with Families of Children with Exceptional Learning Needs
SPED 5053 Planning Instruction for Children with Exceptionalities, 7th - 12th Grades
SPED 5063 Supervised Practicum, Grades K - 12

**These courses are required to meet the Special Education K-12 Instructional Specialist Licensure Endorsement in Arkansas.*

Special Education B-K Licensure Option (15 hours)

SPED 5003 Characteristics of Children with Exceptionalities
SPED 5013 Assessment of Children with Exceptional Learning Needs
SPED 5033 Working with Families of Children with Exceptional Learning Needs
SPED 5073 Planning Instruction in an Early Childhood Setting
SPED 5083 Supervised Practicum B - K

Special Education Resource Instructional Specialist - Graduate Certificate* (12 hours)

SPED 5003 Characteristics of Children with Exceptionalities
SPED 5023 Planning Instruction for Children with Exceptional Learning Needs, Grades K-6
SPED 5053 Planning Instruction for Children with Exceptionalities, 7th - 12th Grades
SPED 5063 Supervised Practicum, Grades K - 12

** These courses are required to meet the Special Education Resource Instructional Specialist, Licensure Endorsement in Arkansas.*

Dyslexia Therapist, K-12 Licensure Certificate Courses* (15 hours)

DYS 5003 Dyslexia and Other Learning Disorders
DYS 5013 Foundation of Language and Literacy Development
DYS 5023 Interpreting and Administration of Assessments for Planning Instruction
DYS 5033 Professional Learning and Leadership
DYS 5043 Structured Language Teaching

**These courses are required to meet the Dyslexia Therapist, Grades K-12 Licensure Endorsement in Arkansas.*

2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
3. A minimum of 27 semester hours of graduate course work completed at Arkansas Tech University.
4. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program

while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF EDUCATION IN SCHOOL COUNSELING AND LEADERSHIP

The Master of Education (M.Ed.) in School Counseling and Leadership is designed to prepare candidates for licensure as school counselors. The program consists of 17 hours of leadership core courses and 28 hours of school counseling specialty courses. Practical activities representative of situations school personnel face on a daily basis have been integrated into the coursework. The program will provide opportunities for outstanding individuals to earn Arkansas school counselor licensure. Students will enter into the program as cohorts.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in School Counseling and Leadership if they meet the following requirements:

1. Applicants must hold a standard teaching license or a bachelor's degree from an accredited college in psychology, rehabilitation science, or sociology. Related fields will be examined on an individual basis.
2. Applicants must meet the admission requirements for [Graduate College](#).
3. Approval from the Program Director.

[View All Program Requirements](#)

Degree Requirements

1. A minimum of 45 semester hours must be completed; all courses must be at the 6000 level, including the following courses:

Level One Coursework - Core Courses (17 hours)

COUN 6003 School Organization and Leadership for the Counselor
 COUN 6011 Instructional Leadership/Counseling
 COUN 6113 Action Research and Data Analysis for High Performing Schools
 COUN 6133 Principles of Curriculum Development
 COUN 6143 Organizational Change/Role of School Counselor
 COUN 6152 Professional Portfolio
 COUN 6202 Ethics and Legal Issues for the School Counselor

Level Two Coursework - School Counseling and Leadership (18 hours)

COUN 6012 Assessment and Appraisal
 COUN 6213 Developmental Counseling: Theory and Application
 COUN 6224 Counseling Skill Development I
 COUN 6233 School Counseling Programs
 COUN 6253 Career Development/Academic Advising
 COUN 6263 Teaming, Collaboration, and Advocacy

Level Three Coursework - Supervised Field Experiences (10 hours)

COUN 6243 Group Counseling Strategies in the Schools
 COUN 6302 School Counseling Internship (4 hours)
 COUN 6303 Counseling Skill Development II

2. A portfolio must be successfully completed and approved by a portfolio review committee.

3. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
4. Thirty-six hours of graduate work must be taken while in residence at Arkansas Tech University.
5. The master's degree program must be completed within six (6) years from the time of admission to the graduate program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF EDUCATION IN TEACHING, LEARNING, AND LEADERSHIP

The Master of Education, Teaching, Learning, and Leadership (MTLL) degree program of study will facilitate individuals in engaging, ongoing dialogue, and study based on the integration of research, theory, and best practices. In addition to promoting the professionalization of teaching and improved professional practice, the completion of this degree will prepare candidates to be teacher leaders in the classroom, as an instructional facilitator in the school, or a curriculum administrator in the district. Additionally, an innovative Nontraditional Teacher Licensure (MTLL-NTL) option is available for individuals seeking an initial teaching license. An MTLL-NTL student may teach on an Arkansas Provisional License if hired by an Arkansas public school while enrolled in this program.

Degree Options

A graduate student enrolled in the MTLL degree program of study may select a program emphasis from two options:

1. **Curriculum Administrator / Master Teacher Leader (MTLL)** - an individual who is a career teacher and wants to improve classroom teaching and learning or desires to become a curriculum leader.
2. **Nontraditional Teacher Licensure (MTLL-NTL)** - an individual with a baccalaureate degree or higher who seeks an alternative route to secure a standard teachers license. An MTLL-NTL student may teach on an Arkansas Provisional License if hired by an Arkansas public school while enrolled in this program.

A licensure endorsement may be added to an existing standard license by fulfilling the program of study requirements (18 hours) for the Instructional Facilitator. Select the Curriculum Administration/Master Teacher Leader (MTLL) program option above to enroll in this Instructional Facilitator Endorsement program of study.

Curriculum Administrator / Master Teacher Leader (MTLL) Option:

Graduate students who select the Curriculum Administrator / Master Teacher Leader option will study the knowledge, skills, and dispositions necessary to be effective curriculum leaders and mentors for new teacher inductees and colleagues, including marginal teachers. Additionally, these degree options will fulfill the program of study requirements for Arkansas Curriculum / Program Administrator Licensure and Instructional Facilitator endorsement on completion of the required state assessments.

Non-Traditional Teacher Licensure (MTLL-NTL) Option:

The Non-Traditional Teacher Licensure (MTLL-NTL) option is intended for the individual who holds a baccalaureate degree or higher and desires to teach in Arkansas public schools at the middle level and secondary level only. (This option is not available for early childhood and elementary teaching levels). This program of study option is designed to immerse the MTLL-NTL graduate student in an in-depth study of basic and advanced pedagogical skills for quality teaching, learning and classroom practice.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in Teaching, Learning, and Leadership if they meet the following admission requirements:

Curriculum Administrator / Master Teacher Leader (MTLL-Option

For unconditional admission applicant must:

- 1 .Applicants must meet the admission requirements for [Graduate College](#).
- 2 .Applicants must have at least two (2) years teaching experience.
- 3 .Approval from the program director or the Center for Leadership & Learning department head.

Nontraditional Teacher Licensure (MTLL-NTL) Option

For unconditional admission applicant must:

- 1 .Applicants must meet the admission requirements for the [Graduate College](#).
- 2 .Approval from the program director or the Center for Leadership & Learning department head.

[View All Program Requirements](#)

Degree Requirements

- 1 .A minimum of 38 semester hours (all at the 6000 level) must be completed, including the completion of the following courses:

Common Core Courses (27 hours)

[MTLL 6202 Professionalization of Teaching for the Master Teacher](#)
[MTLL 6003 School Organization and Leadership for Teacher Leaders](#)
[MTLL 6113 Action Research and Data Analysis for School and Classroom Use](#)
[MTLL 6223 Teaching and Learning for the Master Teacher](#)
[MTLL 6262 Action Research Practicum for the Master Teacher](#)
[MTLL 6271 Resource Acquisition for the Master Teacher](#)
[MTLL 6242 Cognitive Coaching and Mentoring for the Master Teacher](#)
[MTLL 6123 Instructional Leadership for the Master Teacher](#)
[MTLL 6133 Basic Elements of Curriculum](#)
[MTLL 6143 Organizational Change and the Role of the Master Teacher](#)
[MTLL 6152 Professional Portfolio for the Master Teacher](#)

Select one option for program of study emphasis from the following:

Curriculum Administrator / Master Teacher Leader (MTLL) Option

[MTLL 6253 Advanced Curriculum Design Practicum for the Master Teacher](#)
[EDLD 6402 Working with the Marginal Performer](#)
[EDLD 6002 Administrative Law](#)
[EDLD 6551 Administrative Internship Two \(2\) Curriculum Administrative Internship Courses \(4 hours total\)](#)

Non-Traditional Teacher Leadership (MTLL-NTL) Option

[MTLL 6233 Advanced Teaching and Learning](#)
[MTLL 6252 Communication Advocacy & Policy Development for the Master Teacher](#)
[MTLL 6292 Evaluation of Classroom Learning for the Master Teacher](#)
[MTLL 6551 Internship Practicum Four \(4\) Internship Practicum Courses, including the Student Teaching Internship \(4 hours total\)](#)

- 2 .Prior to degree completion, a culminating professional portfolio must be successfully completed and approved by a portfolio review committee for both program of study options.
- 3 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 4 .Twenty-Seven (27) hours of graduate work must be taken while in residence at Arkansas Tech University.

The Master of Education degree program must be completed within six (6) years from the time of admission to the graduate program.

*For the Nontraditional Teacher Licensure (MTLL-NTL) option, the MTLL-NTL graduate student must complete the appropriate state assessments for Arkansas teacher licensure prior to graduation.

Graduate Certificate in Teacher Leadership (18 hours)

MTLL 6202 Professionalization of Teaching for the Master Teacher
MTLL 6223 Teaching and Learning for the Master Teacher
MTLL 6123 Instructional Leadership for the Master Teacher
MTLL 6242 Cognitive Coaching and Mentoring for the Master Teacher
MTLL 6143 Organizational Change and the Role of the Master Teacher
MTLL 6253 Advanced Curriculum Design Practicum for the Master Teacher
EDLD 6552 Administrative Internship

Graduate Certificate in Curriculum Leadership (18 hours)

An eighteen-semester hour MTLL program of study satisfies course requirements for the Instructional Facilitator Endorsement to be added to an individual's Arkansas Standard Teaching License. This program of study prepares teachers to be teacher leaders who have the knowledge, skills, and dispositions to work with new teacher inductees and colleagues to improve teaching and learning.

Courses Required for Certificate in Curriculum Leadership (18 hours)

MTLL 6003 School Organization and Leadership for Teacher Leaders
MTLL 6123 Instructional Leadership for the Master Teacher
MTLL 6143 Organizational Change and the Role of the Master Teacher
MTLL 6253 Advanced Curriculum Design Practicum for the Master Teacher
MTLL 6271 Resource Acquisition for the Master Teacher
EDLD 6402 Working with the Marginal Performer
EDLD 6002 Administrative Law
EDLD 6552 Administrative Internship (2 semesters required)

Additionally, students may choose to complete the remaining MTLL-identified course hours to complete the Master of Education degree in Teaching, Learning, and Leadership Master of Education degree, which fulfills program of study requirements for Arkansas Curriculum/Program Administrator Licensure.

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school, if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

DEGREE PROGRAMS

MASTER OF ENGINEERING IN ELECTRICAL ENGINEERING

The Electrical Engineering Master's program provides you a solid foundation in both the theory and application in the field of Electrical Engineering and the program strives to offer you the breadth of education and depth of training necessary for leadership in the profession. The program requires 30 course credits for completion and it gives the students the flexibility to select a degree plan that is customized to their goals. Student's success is the prime goal of the department and we strive to provide the best opportunities for growth and professional development of our students. At the department of Electrical Engineering, you will find a welcoming community and we are always searching for outstanding new graduate talent.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Engineering in Electrical Engineering degree program if they have:

1. Applicants must meet the all admission requirements for the [Graduate College](#).
2. Applicants must have completed a bachelor's degree in engineering from an ABET accredited program with a cumulative grade point average of 2.75 or greater on a scale of 4.0. If their undergraduate engineering degree was obtained from a non-ABET accredited program, then they must submit an official copy of their recent (within the last five (5) years) Graduate Record Exam (GRE) Quantitative Reasoning Score equal to or greater than 146.
3. Applicants must submit a letter of intent that addresses the applicant's intended focus and reasons for applying to the degree. Based upon an applicant's intended program focus, deficiency courses may be identified to be completed before enrollment in some engineering graduate courses.
4. Applicants must provide two letters of recommendation from professors familiar with the applicants' academic.
5. Approval from the Graduate Program.

Conditional Admission

Applicants not meeting the unconditional admission requirements will be considered on a case-by-case basis for conditional admission into the program. Any deficiencies identified for conditional admits should be satisfied within the first calendar year of enrollment, and until all deficiencies are resolved applicants may take a maximum of twelve (12) hours for graduate credit. Conditionally admitted students may be required to take one or more undergraduate courses which they must complete with a 3.0 average or better.

Each student is required to have a graduate advisor who is a member of the electrical or mechanical engineering graduate faculty. A formal letter from the advisor to the head of the student's major department acknowledging the advisor's willingness to serve as the student's graduate advisor is required during the student's first semester of course work in the program. The advisor and two additional qualified personnel, selected by the student and advisor, will serve as the student's Graduate Advisory Committee. At least two committee members must be faculty in engineering. The student and advisor will work to develop a program of study which must be submitted for approval with the application for candidacy as discussed below.

Degree Requirements

1. Course and research/design project requirements

A minimum of 30 semester credit hours at the graduate level, with a minimum of 15 hours at the 6000 level are required for the degree. Students choosing the research/design project option may include up to six hours of research/design project credits. Courses may be taken in-person or online.

- Non-research option students must take a minimum of 15 credit hours of ELEG or approved MCEG courses of which at least 12 hours must be at the 6000 level.
 - Research option students must take a minimum of 15 credit hours of ELEG or approved MCEG courses at the 6000 level of which up to six (6) credit hours may be research or design project hours.
 - A minimum of six (6) semester credit hours must be taken from courses designated as MATH or STAT.
 - Students participating in the accelerated bachelors to masters (AB2M) program are allowed to include up to 12 credit hours of 5000 level courses for both undergraduate and graduate credit.
 - Up to nine (9) credit hours of electives approved by the student's major advisory committee and the Graduate Program Director are allowed.
2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at ATU, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).

3. Non-research option students must successfully complete a comprehensive final examination, consisting of both a written and oral portion administered by the student's Graduate Advisory Committee, in addition to the coursework requirements. This exam will be administered during the student's final semester and may be attempted a maximum of three times. Research option students will submit a final written report of their research which also include an oral presentation. They are exempt from taking the final comprehensive exam unless their research/design project final report and presentation were found to be unacceptable.

4. Completion of all requirements of the degree must be accomplished within six (6) years from the time of admission to the program.

5. A minimum of 24 semester hours of graduate course work completed at ATU.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF ENGINEERING IN MECHANICAL ENGINEERING

The department of Mechanical Engineering takes an interdisciplinary approach to maximize the student's success through a mixture of cutting-edge research, diversified coursework, and world class faculty. The department is continuously growing and has maintained a consistent leadership as one of the top Mechanical Engineering programs in the state of Arkansas. As a new Mechanical Engineering Master's student, you have two program options: coursework and research project. The program requires 30 course credits for completion, and it gives the students the flexibility to select a degree plan that is customized to their goals. Student's success is the prime goal of the department and we strive to provide the best opportunities for growth and professional development of our students.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Engineering degree program if they have:

- 1 .Applicants must meet the admission requirements for the [Graduate College](#).
- 2 .Applicants must have completed a bachelor's degree in engineering from an ABET accredited program with a cumulative grade point average of 2.75 or greater on a scale of 4.0. If their undergraduate engineering degree was obtained from a non-ABET accredited program, then they must submit an official copy of their recent (within the last five (5) years) Graduate Record Exam (GRE) Quantitative Reasoning Score equal to or greater than 146 (550 prior scale).
- 3 .Applicants must submit a letter of intent that addresses the applicant's intended focus and reasons for applying to the degree program. Based upon an applicant's intended program focus, deficiency courses may be identified to be completed before enrollment in some engineering graduate courses.
- 4 .Applicants must provide two letters of recommendation, using the form provided by the department, from professors familiar with the applicants academic ability.
- 5 .Approval from the Program Director.

Conditional Admission

Applicants not meeting the unconditional admission requirements will be considered on a case-by-case basis for conditional admission into the program. Any deficiencies identified for conditional admits should be satisfied within the first calendar year of enrollment, and until all deficiencies are resolved applicants may take a maximum of twelve (12) hours for graduate credit. Conditionally admitted students may be required to take one or more undergraduate courses which they must complete with a 3.0 average or better.

Each student is required to have a graduate advisor who is a member of the electrical or mechanical engineering departments and the graduate faculty. A formal letter from the advisor to the head of the student's major department acknowledging the advisor's willingness to serve as the student's graduate advisor is required during the students first semester of course work in the program. The advisor and two additional qualified personnel, selected by the student and advisor, will serve as the student's Graduate Advisory Committee. At least two committee members must be faculty in engineering. The student and advisor will work to develop a program of study which must be submitted for approval with the application for candidacy as discussed below.

Degree Requirements

1. Course and research/design project requirements

1. • A minimum of 30 semester credit hours at the graduate level, with a minimum of 15 hours at the 6000 level are required for the degree. Students choosing the research/design project option may include up to six hours of research/design project credits. Courses may be taken in-person or online.
 - Non-research option students must take a minimum of 15 credit hours of MCEG or approved ELEG courses of which at least 12 hours must be at the 6000 level.
 - Research option students must take a minimum of 15 credit hours of MCEG or approved ELEG courses at the 6000 level of which up to six (6) credit hours may be research or design project hours.
 - A minimum of six (6) semester credit hours must be taken from courses designated as MATH or STAT.
 - Students participating in the accelerated bachelors to masters (AB2M) program are allowed to include up to 12 credit hours of 5000 level courses for both undergraduate and graduate credit.
 - Up to nine (9) credit hours of electives approved by the student's major advisory committee and the Graduate Program Director are allowed.

[View Engineering Courses](#)

2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at ATU, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
3. Non-research option students must successfully complete a comprehensive final examination, consisting of both a written and oral portion and administered by the student's Graduate Advisory Committee, in addition to the coursework. This exam will be administered during the student's final semester and may be attempted a maximum of three times. Research option students will submit a final written report of their research which also include an oral presentation. Research option students are exempt from taking the final comprehensive exam unless their research/design project final report and presentation are found to be unacceptable.
4. Completion of all requirements of the degree must be accomplished within six (6) years from the time of admission to the program.
5. A minimum of 24 semester hours of graduate course work completed at Arkansas Tech University with up to 6 semester hours of transfer credit approved by the Graduate Program Director and the student's graduate advisory committee.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF LIBERAL ARTS

The MLA degree is suited to the student who is interested in graduate study in the liberal arts, but is less interested in a research degree in a specific arts discipline or in a graduate degree in a technical area. The MLA is useful for English, speech, theatre, journalism, and social studies teachers at any level who want to deepen their knowledge of the areas they teach. Other professionals who have specialized educational backgrounds, but who have

an interest in the liberal arts, will also find the MLA attractive. This program grants students a great deal of educational and creative freedom, allowing them to tailor their education to their specific interests and career goals.

This program may be completed online.

The MLA degree requires coursework in at least three different subjects within the College of Art and Humanities. The goals of the Liberal Arts program include the ability to:

- Generate writing that demonstrates an advanced ability to analyze and synthesize.
- Conduct original research.
- Demonstrate familiarity with interdisciplinary study.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Liberal Arts degree program if they meet the admission requirements for the [Graduate College](#).

Conditional Admission

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve (12) semester hours. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours, a cumulative grade point average of 3.00 or better is achieved.

Academic Advisors

The MLA Director will serve as faculty advisor to each student admitted conditionally or unconditionally to the MLA degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor and the Graduate College monitor the student's progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements for MLA with Project Option

Degree Requirements for MLA with Project Option

- The completion of at least 30 semester hours of graduate course work, at least 15 of which must be at the 6000.
- The satisfactory completion of LA 6013 Introduction to the Liberal Arts (must be taken before the completion of twelve semester hours of graduate course work).
- LA 6711 Liberal Arts Project - requirements for this course include a cumulative scholarly research paper or significant creative project.
- The completion of coursework that includes at three different graduate subjects offered by the College of Arts and Humanities (i.e., Art, Communications, English, History, Journalism, Music, Psychology, Sociology, and TESL). The required Liberal Arts classes do not count toward this distribution requirement.
- A cumulative grade point average of a 3.0 or better must be achieved in all graduate work attempted at ATU, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- A minimum of 24 semester hours of graduate course work completed in residence at (Full time residence is not required.).
- Completion of all degree requirements within six (6) years of admission to the program.

Degree Requirements for MLA with Exam Option

- The satisfactory completion of a comprehensive exam based on course.¹
- The satisfactory completion of LA 6013 Introduction to the Liberal Arts (must be taken before the completion of twelve semester hours of graduate course work).
- The completion of coursework that includes at three different graduate subjects offered by the College of Arts and Humanities (i.e., Art, Communications, English, History, Journalism, Music, Psychology, Sociology, and TESL). The required Liberal Arts classes do not count toward this distribution requirement.
- A cumulative grade point average of a 3.0 or better must be achieved in all graduate work attempted at ATU, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#). (Full-time residence is not required).
- Completion of all degree requirements within six (6) years of admission to the program.

¹This comprehensive exam is comprised of two sections, each focusing on information covered in one of the courses completed as part of the degree program. Students who choose the exam option should complete and return the following form to the program director *no later than two weeks before the scheduled examination: [Application for MLA Examinations](#).*

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

MASTER OF SCIENCE IN EMERGENCY MANAGEMENT AND HOMELAND SECURITY

The Department of Emergency Management (EM), Professional Studies, and Student Affairs Administration (EPS) at Arkansas Tech University offers advanced study in the disciplines of Emergency Management and Homeland Security (EMHS). Students will have the opportunity to study the emerging technology as well as the social, political, legal, ethical, and leadership aspects of EMHS from the perspective of a practitioner as well as a scholar.

Graduates from the program are well-prepared to meet the growing demand for educated EMHS professionals in the private business sector, education, non-governmental organizations, and various government agencies and organizations at all levels-local, state, regional, national, and international.

This program may be completed online.

This degree offers a specialized program both for existing career professionals in the field, those seeking the academic foundation on which to build a career, and others who look to the Master's Degree as the first step towards the eventual pursuit of a doctorate.

The curriculum reflects the latest research and practical applications in the fields of Emergency Management and Homeland Security. Associated emerging technologies and areas of concentration are integrated into the curriculum. The EMHS Program Director acts as faculty advisor to each student admitted to the EMHS degree program.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science degree program in Emergency Management and Homeland Security (EMHS) if they meet all of the following requirements. Additionally, all application credentials are examined by the Graduate Program Director and the Graduate Program Admission Committee when determining admission status.

- 1 .Applicants must meet the admission requirements for the [Graduate College](#).
- 2 .Applicants must have a minimum undergraduate or graduate cumulative grade point average of 3.00.
- 3 .Applicants must provide a statement of intent which addresses career goals, interests in graduate education, emergency management, and research interests. (300 word minimum).
- 4 .Applicants must provide a resume or vitae.
- 5 .Approval from the Program Director.

Conditional Admission

Conditional admission may be possible when the grade point average is between 2.5 and 3.0. In addition, all application credentials are examined by a faculty committee from the EMHS Department to determine admission status. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better is achieved.

Late Admission

Priority deadline date for fall admission is March 1 and spring admission is October 1. Any student requesting admission for any academic term must have their documentation material processed for admission to the program as required by the Department of Emergency Management, Professional Studies, and Student Affairs Administration by the first day of the term requested. Documentation includes undergraduate transcript(s), a Statement of Intent and either a Resume or a Vitae. If processing cannot be completed, and approval given by the Program Director, the student will be rejected for admission for that term and must wait to enter the next academic term.

Degree Requirements

1 .The completion of 36 semester hours of graduate work is required, of which 18 semester hours must be at the 6000 level.

Required Courses (18 hours)

EMHS 6033 Leadership and Management
 EMHS 6063 Principles of Emergency Management
 EMHS 6093 Principles of Homeland Security
 EMHS 6103 Research Design and Methods
 EMHS 6133 Ethical, Legal, and Political Considerations in Emergency Management and Homeland Security
 EMHS 6513 Technology for Comprehensive Emergency Management

EMHS Electives (9 hours)

Elective EMHS or non-EMHS graduate courses tailored to each student's interests and career objectives.

Comprehensive Examination Option (9 hours)

EMHS 6933 Research I
 EMHS 6413 Capstone
 EMHS Elective - three (3) hours

Thesis Option (9 hours)

EMHS 6933 Research I
 EMHS 6123 Applied Data Analysis
 EMHS 6943 Master's Thesis

Practicum Option (9 hours)

EMHS 6933 Research I
 EMHS 6423 Professional Practical Experience and Project Development
 EMHS 6413 Capstone

- 2 .After completion of the Research I course, students choose to pursue either an original research thesis, a practicum research project, or the comprehensive exam. Students selecting the comprehensive exam will take an additional three (3) hour elective; student pursuing a thesis or practicum research project, will select a chair to guide their research work and either engage with the data collection and analysis (thesis) or professional practice (practicum) before completing their research work. EMHS faculty advisors will assist students in designing a curriculum of study leading to the fulfillment of degree requirements. Additionally, the Program Director and the Graduate College will monitor the students' progress. Ultimately, it remains the students' responsibility to understand and to satisfy all degree requirements.
- 3 .A cumulated grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 4 .The master's degree program must be completed within six (6) years from the time of admission to the graduate program.
- 5 .A minimum of 27 semester hours of graduate coursework must be completed in residence at Arkansas Tech University.

Risk Management in Higher Education Graduate Certificate

1 Required Courses (15 hours)

EMHS 6023 Risk and Vulnerability Assessment for Business and Industry
 EMHS 6063 Principles of Emergency Management
 EMHS 6133 Ethical, Legal, and Political Considerations in Emergency Management and Homeland Security
 SAA 6053 Legal Issues for Student Affairs Administrators
 SAA 6143 Administration in Student Affairs

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF SCIENCE IN FISHERIES & WILDLIFE SCIENCE

Fisheries and Wildlife Science

The Master of Science in Fisheries and Wildlife Science is offered for those who wish to pursue careers in various areas of fisheries or wildlife science, and for those who wish to obtain a graduate degree before continuing their education at the doctoral level. The Department of Biological Sciences offers the M.S. degree with a thesis or non-thesis option selecting a concentration of study in either fisheries or wildlife science.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science degree program in Fisheries and Wildlife Science if they meet the following criteria:

- 1 .Applicants must meet the admission requirements for [Graduate College](#).
- 2 .Applicants must have completed a bachelor's degree in a biological science from an accredited university.
- 3 .Applicants must have completed courses in fisheries management or wildlife management, ecology, and statistics with a minimum grade of "C".
- 4 .Applicants must file scores for the Graduate Record Examination (GRE) in the Graduate College.
- 5 .Applicants must provide a letter of intent that addresses the applicant's interests, goals, and reasons for applying to the degree program
- 6 .Applicants must provide two (2) [letters of recommendation](#), using the form provided by our Fisheries and Wildlife Science Program, from professors familiar with the applicant's academic ability.
- 7 .Approval from the Program Director.

Conditional Admission

Qualified students lacking one or more courses listed above may be accepted provided the deficiencies are made up without graduate credit. Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally and allowed to enroll for a maximum of twelve (12) semester hours. Following completion of twelve (12) semester hours, the student's GPA must reach 3.0.

Academic Advisors

Students following the non-thesis option will have an advisor assigned by the program director following admission into the program. Students wishing to pursue the thesis option must be accepted by an academic advisor prior to acceptance into the program. The faculty member that agrees to be the student's academic advisor will submit a letter to the program director acknowledging willingness to serve as a student's major advisor and this letter constitutes formal acceptance into the thesis-option. Thesis-option students, under guidance of their academic advisor, will select two (2) or more qualified personnel that have or can attain graduate faculty status (at least one from the Fisheries and Wildlife Program) to serve as members of the student's advisory committee.

The advisor should assist the student in developing a course plan (submitted on a candidacy form to the Graduate College). Thesis-option candidates will submit a thesis topic approved by the academic advisor, advisory committee and program director along with the course plan. The thesis topic will generally be submitted within the first semester, but no later than the end of the second semester. The advisory committee will determine acceptability of the thesis and oral defense. While the advisory committee helps identify critical deficiencies in undergraduate preparation and adds courses to the program of study to compensate for these deficiencies, it remains the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

Option 1: Thesis Option

1 .A minimum of 30 semester hours at the graduate level must be completed for the thesis option, including completion of:

Thesis only option (30 hours)

FW 6001 Graduate Seminar in Fisheries and Wildlife Biology
 FW 6002 Research Methods I
 FW 6012 Research Methods II
 FW 6013 Population Dynamics
 FW 6991 Thesis Research-(6hrs)
 MATH 5173 Advanced Biostatistics
 Approved 5000 or 6000 level elective courses - 13 hours

Non-Thesis only option (36 hours)

FW 5163 Biodiversity and Conservation Biology
 FW 6001 Graduate Seminar in Fisheries and Wildlife Biology
 FW 6002 Research Methods I
 FW 6012 Research Methods II
 FW 6013 Population Dynamics
 FW 6033 Conservation Management Practicum
 FW 6043 Conservation Research Practicum
 FW 6101 Comprehensive Exam
 MATH 5173 Advanced Biostatistics
 Approved 5000 or 6000 level elective courses - 15 hours

Electives

EMHS 6033 Leadership and Management
 FW 5003 Principles of Wildlife Management
 FW 5014 Forest Ecology and Management
 FW 5024 Limnology
 FW 5034 Advanced Geographic Information Systems Applications
 FW 5064 Wetland Ecology and Management
 FW 5103 Human Dimensions of Fisheries and Wildlife Management
 FW 5881 Advanced Topics
 FW 6023 Quantitative Fisheries Science

- 2 .A minimum cumulative grade point average of 3.00 must be achieved in all graduate work attempted at Arkansas Tech University. A maximum of six (6) hours of "C" can be counted toward degree requirements, and a student receiving more than six (6) hours of "C" is subject to dismissal from the program. Refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 3 .A written thesis and an oral defense of the research thesis must be approved by the advisory committee, the program director, and the Graduate College Dean. The topic of this thesis work is guided by a graduate advisor and the topic is approved by submitting a Graduate College form at or about the time of candidacy approval. Students will be required to enroll in an additional one credit hour of graduate coursework prior to their thesis defense if the thesis is not defended within one semester of completion of the coursework for the degree. For the purposes of this policy, summer is considered to be one semester.
- 4 .Completion of all requirements for the degree must be accomplished within six (6) years from the time of admission to the program.

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the program director and the Graduate College Dean. Students must send a written request to

the program director to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF SCIENCE IN HEALTH INFORMATICS

The Master of Science in Health Informatics (MSHI) is a specialized program of study to serve the increasing workforce needs in the area of health information technology. The curriculum utilizes a multidisciplinary approach to include health care delivery concepts coupled with information technology in a changing environment. Courses are designed to prepare graduates in the area of privacy and security of health care information, leadership and policy within the health care environment, as well as emerging concepts in information technology as related to the health care setting. Graduates will be able to choose electives to aid in accomplishing their career goals within the area of health information technology.

This program may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science degree program in Health Informatics if they meet the following requirements:

- 1 .Applicants must meet the admission requirements for [Graduate College](#).
- 2 .Applicants must have successfully completed HIM 3023 or demonstrate comparable background. The background may be demonstrated by previous coursework or by relative work experience, as determined by the MSHI Graduate Committee.
- 3 .Applicants must have successfully completed a three (3) semester hour course in computer programming, such as COMS 2203 or demonstrate comparable background. The background may be demonstrated by previous coursework or by relative work experience, as determined by the MSHI Graduate Committee.
- 4 .Applicants must provide a letter of intent that addresses their interests, goals, and reasons for applying to the degree program.
- 5 .Approval from the Program Director.

Conditional Admission

Applicants who fail to satisfy the grade point requirements for unconditional admission or who do not satisfy requirements 2-3 above may be admitted conditionally by the MSHI Graduate Committee to earn a maximum of twelve (12) hours of graduate credit. Conditional admission may require taking one or more undergraduate and/or graduate courses to remove those conditions. Any such courses must be completed with a grade of "B" or better. In addition, if the student was admitted conditionally due to grade point average, the student must earn a 3.0 or better cumulative grade point average in all graduate courses taken for the program by the end of the semester in which the twelfth (12) graduate hour is completed.

Academic Advisors

The MSHI Graduate Committee will assign a faculty advisor to each student admitted to the MSHI degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Additionally the academic advisor and the Graduate College will monitor the student's progress. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

- 1 .A minimum of 35 semester hours of coursework at the graduate level must be completed. These hours include 29 semester hours of core requirements and six (6) hours of INFT, HI 5000-level or 6000-level electives, or electives that are deemed acceptable by MSHI Program Director.
- 2 .A cumulative grade point average of at least 3.00 in all graduate courses completed at Arkansas Tech University with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 3 .A minimum of 27 hours of graduate course work completed at Arkansas Tech University.
- 4 .Completion of all degree requirements within four (4) years of admission into the program.

Core Courses (23 hours)

[HI 5092 Research in HIM](#)
[HI 6053 Emerging Trends in Health Information Technology](#)
[HI 6063 Leadership in Health Informatics](#)
[HI 6073 Security and Privacy in Health Informatics](#)
[HI 6083 Health Care Policy](#)
[INFT 5403 Introduction to Information Technology and Systems](#)
[INFT 5203 Database Systems](#)
[MATH 5173 Advanced Biostatistics](#)

HI 6991 Thesis Research (6 hours required)

OR

HI 6983 Research Project (3 Hours required) *AND* Three (3) Hours of Electives

Elective Courses - Choose two courses (6 hours)

INFT 6013 Decision Support Systems

INFT 6903 Emerging Trends

INFT 5053 Information Systems Resource Management

INFT 5303 Developing and Administering Web Sites

Additional approved electives may be available.

Degree Works

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Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the MSHI Graduate Committee, the Director of the MSHI program, and the Graduate College Dean. Students must send a written request through the MSHI Graduate Committee and program director to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the MSHI program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

The Master of Science in Information Technology (MSIT) is a study of the hardware and software mechanisms used to implement modern information systems. It is designed for students who have little to no educational background in IT but wish to pursue a career in this dynamic and ever-growing field. The MSIT program provides students with a comprehensive education in IT with a rigorous curriculum that covers a range of topics including programming, database, website design, data science, and cybersecurity. Our experienced faculty members provide students with hands-on training in cutting-edge technologies and offer personalized attention to help students achieve their academic and professional goals.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science degree program in Information Technology if they meet all of the following requirements:

- 1 .Applicants must meet the admission requirements for [Graduate College](#).
- 2 .Applicants must have successfully completed one math course beyond college algebra.
- 3 .Applicants must have successfully completed two semesters of computer programming courses comparable to our COMS 1013 /COMS 1011 *and* COMS 2203 or INFT 5103 Software Development.
- 4 .Applicants must have an overall minimum GPA of 3.0 for their undergraduate studies.
- 5 .Approval from the Program Director.

Conditional Admission

Applicants who fail to satisfy the requirements above may be admitted conditionally by the MS-IT Graduate Committee to earn a maximum of twelve (12) hours of graduate credit. Conditional admission may require taking one or more undergraduate and/or graduate courses to remove those conditions. Any such courses must be completed with a grade of "B" or better. In addition, if the student was admitted conditionally due to grade point average, the student must earn a 3.0 or better cumulative grade point average in all graduate courses taken for the program by the end of the semester in which the twelfth (12) graduate hours is completed.

Academic Advisors

The MS-IT Graduate Committee will assign a faculty advisor to each student admitted to the MS-IT degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Additionally, the academic advisor and the Graduate College will monitor the student's progress. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

1. The completion of 30 hours of graduate work of which at least 15 credit hours must be at the 6000 level where the student meets the below requirements:

MSIT Core Requirements (9 hours)

[INFT 5203 Database Systems](#)
[INFT 5413 Computer Systems and Architecture](#)
[INFT 5703 Principles of Networking](#)

MSIT Elective Requirements (15-18 hours)

Students will then choose a *maximum* of two elective courses (six credit hours) at the 5000 level from the below course list:

[INFT 5103 Software Development](#)

[INFT 5303 Developing and Administering Web Sites](#)
[INFT 5403 Introduction to Information Technology and Systems](#)
[INFT 5503 The UNIX Operating System](#)
[INFT 5603 Principles of Data Science](#)

[INFT 5803 Principles of Cybersecurity](#)

[INFT 5983 Special Topics](#)

AND

Students will then choose a *minimum* of three elective courses (9-12 credit hours) at the 6000 level from the below course list:

[INFT 6103 Visual Programming](#)

[INFT 6203 Database Development and Administration](#)

[INFT 6303 Design of Web-Based Information Systems](#)

[INFT 6403 Information Systems Analysis and Design](#)

[INFT 6603 Advanced Data Science and Machine Learning](#)

[INFT 6703 Advanced Networks / INFT 6700 Advanced Networks Lab](#)

[INFT 6803 Advanced Cybersecurity](#)

[INFT 6903 Emerging Trends*](#)

*Topic varies so may be repeated for credit.

AND

Choose one of the following options:

Option I (Internship):
3-6 hours internship (INFT 6993 Internship)

Option II (Thesis):
6 hours Thesis Research (INFT 6973 Thesis Research in Information Technology I and INFT 6983 Thesis Research in Information Technology II)

A cumulative grade point average of at least 3.00 in all graduate courses completed at Arkansas Tech University with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).

A minimum of 24 hours of graduate course work completed at Arkansas Tech University.

Completion of all degree requirements within six (6) years of admission into the program.

Graduate Certificate in Information Technology (18 hours)

The Graduate Certificate in Information Technology provides flexibility for students wanting to gain foundation skills in popular areas of Information Technology, such as database systems, website design, and networking. This certificate may be completed concurrently with the master's degree in Information Technology.

1. Certificate Requirements: Students are free to choose the six courses (18 credit hours) that interest them from a list of approved electives, see below:

Approved 5000 level electives:

INFT 5103 Software Development

INFT 5303 Developing and Administering Web Sites

INFT 5403 Introduction to Information Technology and Systems

INFT 5503 The UNIX Operating System

INFT 5603 Principles of Data Science

INFT 5803 Principles of Cybersecurity

INFT 5983 Special Topics*

Approved 6000 level electives:**

INFT 6103 Visual Programming

INFT 6203 Database Development and Administration

INFT 6303 Design of Web-Based Information Systems

INFT 6403 Information Systems Analysis and Design

INFT 6603 Advanced Data Science and Machine Learning

INFT 6703 Advanced Networks

INFT 6803 Advanced Cybersecurity

INFT 6903 Emerging Trends***

* INFT 5983 Special Topics Special Topics courses may be repeated for credit if the topic is different

** 6000 level INFT courses often have prerequisites that must be satisfied before enrolling

*** INFT 6903 Emerging Trends Emerging Trends courses may be repeated for credit if the topic is different

2. A cumulative grade point average of at least 3.00 in all graduate courses completed at ATU with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).

3. A minimum of 15 hours of graduate course work completed at ATU.
4. Completion of all certificate requirements within six (6) years of admission into the program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the MS-IT Graduate Committee, the Director of the MSIT program, and the Graduate College Dean. Students must send a written request through the MSIT Graduate Committee and program director to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the MS-IT program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the MS-IT program director and the Graduate College Dean.

MASTER OF SCIENCE IN PSYCHOLOGY

The Master of Science in Psychology program at Arkansas Tech University is designed to provide advanced students with sufficient breadth and depth to function in a variety of professional environments. While emphasis is placed on research and Psychological Principles, a concentrated effort is also made to establish the foundation necessary for teaching, practice, post-graduate work, research, or any combination of these areas.

Unconditional Admission*

Students are eligible to apply for unconditional admission to the Master of Science degree program in Psychology if they meet the following requirements and are approved by the Psychology graduate faculty:

1. Applicants must meet the admission requirements for the [Graduate College](#).
2. Applicants must have a minimum of 18 semester hours in Psychology at the undergraduate level (including a course in statistics, and research methods, with a grade of "B" or better).
3. Applicants must have an overall undergraduate grade point of 3.0 on a 4.0 scale.
4. Applicants must submit recent (within the last 5 years), acceptable scores (to be determined by the psychology graduate faculty) of the Graduate Record Examination (GRE). The GRE requirement may be waived upon approval of the Program Director.
5. Applicants must submit a statement of intent. This statement must answer four questions: 1) Why does the applicant want to pursue this degree?; 2) Why does the applicant want to pursue this degree at Arkansas Tech University?; 3) What are the applicant's research interests and career goals?; and 4) Why does the applicant think they are qualified to receive a graduate assistant position?
6. Approval from the Program Director.

Conditional Admission

Applicants who fail to meet the criteria for unconditional admission may be admitted conditionally to enroll in twelve (12) semester hours. Students admitted conditionally must achieve a cumulative grade point average of 3.00 at the completion of twelve (12) semester hours with no grade lower than "C".

An applicant who satisfies the grade point requirement from an unaccredited institution may also be eligible for conditional admission. In such cases, transcripts may be judged to be deficient. The nature of the deficiency and subsequent deficiency requirements will be determined by the Psychology Graduate Committee and the Director of the Graduate Program in Psychology or the Head of the Department.

*This program is no longer accepting applications.

Academic Advisors

The Director of the Graduate Program in Psychology or the Head of the Department will assign a temporary faculty advisor to each student admitted to the degree program. The faculty advisor will assist the student in designing a curriculum of study that leads to the fulfillment of the degree requirements and the preparation of the thesis. The faculty advisor, the Psychology Graduate Committee, and the Graduate College monitor the student's progress in the program. However, it remains the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

The student seeking the Master of Science degree in Psychology must complete the following:

1. A minimum of 30 semester hours in Psychology at the graduate level (5000-6000) with no more than 12 hours of 5000 level courses considered toward completion of the degree.

Required Courses (12 hours)

PSY 6003 Advanced Principles of Psychology I
 PSY 6013 Advanced Statistics / SOC 6013 Advanced Statistics
 PSY 6023 Research Design
 PSY 6103 Advanced Principles of Psychology II

Electives (18 hours, minimum 6 hours at the 6000 level)

PSY 5013 History of Psychology
 PSY 5033 Psychological Tests and Measurements
 PSY 5043 Social Psychology
 PSY 5053 Psychology of Perception
 PSY 5073 Cognitive Psychology
 PSY 6033 Personality Testing
 PSY 6043 Psychopathology
 PSY 6053 Advanced Development Psychology
 PSY 6063 Advanced Physiological Psychology
 PSY 6073 Personality Dynamics and Theories
 PSY 6083 Seminar in Psychology
 PSY 6091 Advanced Field Placement
 PSY 6993 Thesis Research
 PSY 6891 Independent Study

2. The satisfactory completion of six (6) hours of PSY 6991 Project or Thesis Research Continuation.
3. Thesis hours must earn a grade no lower than "B".
4. The successful completion of an oral defense of the completed thesis or comprehensive examination. Candidates will receive additional information on the oral defense from the Academic Advisor and the Director of the Graduate Program in Psychology upon admission to candidacy.
5. No more than six (6) hours of PSY 6993 Thesis Research-6 Thesis Research will be counted toward the degree.
6. No more than six (6) hours of PSY 6891 Independent Study-3 Independent Study will be counted toward the degree.
7. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
8. All course work must be completed within six (6) years of admission to the degree program.
9. A minimum of 24 semester hours of graduate course work completed in residence at Arkansas Tech University.
10. At the end of each fall semester, the student will meet with the Psychology Graduate Committee for program review and evaluation.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six (6) semester hours of graduate credit with a grade of "B" or better may be transferred from an accredited school if deemed appropriate to the Psychology Graduate Committee, the Director of the Graduate Program in Psychology, and the Graduate College Dean. Students must send a written request through the Psychology Graduate Committee to petition the acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the Director of the Graduate Program in Psychology or the Head of the Department and the Graduate College Dean. Credits earned by correspondence courses or taken for remedial purposes will not apply toward the graduate degree.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the faculty advisor, the Psychology Graduate Committee, the Director of the Graduate Program in Psychology, and the Graduate College Dean.

MASTER OF SCIENCE IN KINESIOLOGY

The Master of Science in Kinesiology, with options in Strength and Conditioning Studies or Sport Science, is designed to provide graduate level instruction in the theory and science of kinesiology. Both options are designed to meet the needs of coaches, physical educators, physical therapists, athletic trainers, and others interested in the fitness profession. Upon completion students may pursue certifications such as the Strength & Conditioning Specialist (CSCS) by the National Strength and Conditioning Association (NSCA) or the Certified Performance and Sport Scientist (CPSS) credential through the NSCA, which recognizes fewer than 38 Graduate Studies Programs.

Master of Science in Kinesiology: Strength and Conditioning Studies Option

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Kinesiology, Science in Strength and Conditioning Studies option if they meet the following requirements:

1. Applicants must meet the admission requirements for [Graduate College](#).
2. Applicants must meet a minimum undergraduate cumulative grade point average of 2.85.
3. Applicants must have completed either undergraduate courses in PE 4033 and PE 3663 with grades of "B" or higher or the leveling courses PE 5013 Structural and Mechanical Kinesiology Concepts and PE 5023 Applied Physiology Concepts with grades of "B" or higher.
4. Approval from the Program Director.

**Admission will be awarded on a competitive basis due to limited availability.*

Conditional Admission

Applicants who fail to meet the above requirement will be considered for conditional admission on a case-by-case basis. Students admitted conditionally must achieve a cumulative grade point average of 3.00 at the completion of twelve (12) semester hours toward the degree with no grade lower than "C".

Degree Requirements

Thirty-three credit hours are required for completion of the Master of Science in Strength and Conditioning Studies degree.

Required Core Courses (27 hours)

PE 6033 Exercise Physiology
PE 6043 Motor Learning and Control
PE 6053 Biomechanics
PE 6083 Research Methods and Statistics or EDFD 6003 Educational Research
SCS 6013 Measurement and Evaluation in Strength and Conditioning
SCS 6033 Strength and Conditioning Program Design and Development
SCS 6043 Techniques for Development of Hypertrophy, Strength, and Power
SCS 6053 Techniques for Development of Speed, Agility, Reaction Time and Endurance
SCS 6063 Trends in Sports Nutrition and Metabolism

Electives (3 hours)

MATH 5173 Advanced Biostatistics
PE 6063 Current Issues in Coaching and Athletics
PE 6073 Exercise and Sport Behavior
PE 6891 Independent Study (1-3 credit hours)
SCS 6003 Sport Psychology
SCS 6023 Scientific Foundations of Strength and Conditioning

SCS 6083 Instructional Strategies for Strength Coaches
SCS 6093 Exercise Science Seminar

Culminating Experience (3 hours)

SCS 6103 Professional Project (could be research, internship, or other approved project)

- 1 .A minimum of 27 semester hours of graduate course work completed in residence at Arkansas Tech University.
- 2 .A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 3 .Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

Master of Science in Kinesiology: Sport Science Option

The Master of Science in Kinesiology with the Science option is designed to provide graduate-level instruction in the theory and science of exercise science. The 33-hour program is designed to meet the needs of coaches, physical educators, physical therapists, athletic trainers, and others interested in the fitness profession. This degree is designed to help prepare students for a career that relies more on data analysis. Students should be better prepared to complete the National Strength and Conditioning Associations (NSCA) Certified Performance and Sports Scientist (CPSS) exam.

This program is online

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science in Kinesiology with the Sport Science option if they meet the following requirements:

- 1 .Applicants must meet the admission requirements for [Graduate College](#).
- 2 .Applicants must meet a minimum undergraduate cumulative grade point average of 85.
- 3 .Applicants must have completed either undergraduate courses in PE 4033 and PE 3663 with grades of "B" or higher or the leveling courses PE 5013 Structural and Mechanical Kinesiology Concepts Structural and Mechanical Kinesiology Concepts and PE 5023 Applied Physiology Concepts Applied Physiology Concepts with grades of "B" or higher.
- 4 .Approval from the Program Director.

**Admission will be awarded on a competitive basis due to limited availability.*

Conditional Admission

Applicants who fail to meet the above requirement will be considered for conditional admission on a case-by-case basis. Students admitted conditionally must achieve a cumulative grade point average of 3.00 at the completion of twelve (12) semester hours toward the degree with no grade lower than "C".

Degree Requirements

Thirty-three credit hours are required for completion of the Master of Science in Kinesiology degree with the Sport science option.

Required Core Courses (24 hours)

PE 6033 Exercise Physiology
PE 6043 Motor Learning and Control
PE 6053 Biomechanics
PE 6083 Research Methods and Statistics or EDFD 6003 Educational Research
SCS 6003 Sport Psychology
SCS 6013 Measurement and Evaluation in Strength and Conditioning
SCS 6033 Strength and Conditioning Program Design and Development
SCS 6063 Trends in Sports Nutrition and Metabolism

Electives (6 hours)

MATH 5173 Advanced Biostatistics
PE 6063 Current Issues in Coaching and Athletics
PE 6073 Exercise and Sport Behavior
PE 6891 Independent Study (1-3 credit hours)
SCS 6023 Scientific Foundations of Strength and Conditioning
SCS 6083 Instructional Strategies for Strength Coaches
SCS 6093 Exercise Science Seminar

Culminating Experience (3 hours)

SCS 6103 Professional Project

1. A minimum of 27 semester hours of graduate coursework completed in residence at ATU.

2. A cumulative grade point average of 3.00 or better must be achieved in all graduate work attempted at ATU, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).

3. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF SCIENCE IN STUDENT AFFAIRS ADMINISTRATION

The Master of Science in Student Affairs Administration is a two-year, practitioner-oriented program, philosophically based in college student development and university administration. It is designed to prepare thoughtful, compassionate, first-line student and university service administrators armed with the knowledge, skills and dispositions needed to begin or enhance a career in the variety of settings in which such services are needed.

The goals of the Student Affairs Administration (SAA) program include:

- 1 .Demonstrating mastery and application of foundational and professional studies in Student Affairs Administration.
- 2 .Demonstrating professional behavior in carrying out student services work.

This program may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science degree program in Student Affairs Administration if they meet the following requirements:

- 1 .Applicants must meet the admission requirements for the [Graduate College](#).
- 2 .Applicants must submit a current resume/vitae highlighting any co-curricular experiences and/or student affairs experience.
- 3 .Applicants must submit names and contact information from two (2) previous/current faculty or supervisors who can attest to the candidate's ability to succeed in an academic setting.
- 4 .Applicants must meet a minimum undergraduate cumulative GPA of 2.70 or a 3.0 GPA in the last 30 hours.
- 5 .Applicants must submit a reflective writing sample, consisting of 3 short-answer reflection items, which include:
 - A What does student affairs mean to you and how do you see yourself contributing to the field;
 - B Explain how your undergraduate grade point average reflects or does not reflect your ability to succeed at the graduate level; and
 - C What can faculty and classmates expect from you in the classroom and/or virtual classroom? Please share the delivery method (online; face-to-face; or both) you plan to use to complete the degree and your work plans for the upcoming term.
- 6 .Approval from the Program Director.

In addition, applicants must submit admission materials no later than two weeks prior to the start of the semester as a priority admission date. Applicants submitting after the priority deadline will be considered if space is still available in SAA graduate classes.

Conditional Admission

Applicants who fail to meet the minimum requirements for admission have the opportunity for conditional admission if applicant meets the minimum graduate admission standards and upon a successful appeal to the program director. Students admitted under a conditional status must earn a cumulative 3.0 GPA on the first twelve (12) graduate hours in the program.

Advising Certificate Admission

Students not currently in the SAA program will need to submit an application to the Graduate College (advising certificate); pay the application fee; submit a resume; and give a short statement about why you want to pursue the advising certificate and how you plan to use it to meet their personal or professional goals.

Academic Advisors

The director of the program will assign a faculty advisor to each student admitted to the degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor, the Department Graduate Committee, and the Graduate College will monitor the student's progress as they progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

1. The completion of a minimum of 36 semester hours of graduate work including the following courses:

Foundation Course (3 hours)

SAA 6023 Introduction to Student Affairs Administration

Professional Studies (21 hours)

SAA 6033 Student Development Theory

SAA 6043 College Students and Diversity

SAA 6053 Legal Issues for Student Affairs Administrators

SAA 6073 Counseling Theories and Helping Skills

SAA 6113 Research Design and Analysis

SAA 6123 Assessment and Evaluation in Higher Education

SAA 6143 Administration in Student Affairs

Supervised Practice (6 hours)

SAA 6083 Practicum I in Student Affairs Administration **OR**

SAA 6283 Advising Practicum

SAA 6063 Student Affairs Administration Capstone Seminar

Elective Courses (6 Hours Required)

SAA 6093 Practicum II in Student Affairs Administration (Required for students without student affairs related work experience)

SAA 6133 Ethical Leadership in Higher Education

SAA 6153 Advising Student Groups

SAA 6163 Academic Advising

SAA 6173 Career Advising

SAA 6881 Special Problems (Workshop) in Student Affairs Administration

Advising Certificate (15 Hours Required)

SAA 6073 Counseling Theories and Helping Skills

SAA 6153 Advising Student Groups

SAA 6163 Academic Advising

SAA 6173 Career Advising

SAA 6283 Advising Practicum

2. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University for the Graduate Degree and the Advising Certificate, with a maximum of six (6) hours of "C" grades for the Master's Degree and a maximum of three (3) hours of "C" grades for the Advising Certificate. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
3. A minimum of 27 semester hours of graduate course work completed at Arkansas Tech University.
4. Successful completion of the comprehensive examination. Comprehensive examination policies are available from the program director.
5. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF SCIENCE IN NURSING

Nursing Administration and Emergency Management

This program may be completed online.

The Master of Science in Nursing is designed to offer students a program of study to serve the educational needs of professional nurses actively engaged in or planning to enter professions related to emergency management administration in a variety of health care settings. The curriculum will utilize a multidisciplinary approach to integrate principles of nursing administration, including planning, organizing, directing, and evaluating, with principles of emergency management, including preparedness, response, mitigation, and recovery.

The core curriculum includes thirty (30) semester hours of coursework in epidemiology, research design and methods, theoretical perspectives, legal and ethical issues, current trends in health care, nurse administrator role, principles of hazards and emergency management, design and management of preparedness in mitigation systems, fiscal management, and research thesis/project. An additional nine (9) semester credit hours will be completed in either the nursing administration or emergency management specialty concentration areas.

The objectives of the graduate program in Nursing Administration and Emergency Management (NAEM) include:

1. Preparing graduates to assume administrative roles in a variety of health care systems, including hospitals, and community, military, and government agencies.
2. Providing a program of study that addresses the technical competencies and interpersonal skills needed to assume leadership roles in planning and coordinating emergency response strategies.
3. Providing opportunities for students to formulate solutions to important problems of interest to nursing through analysis, synthesis, and application of current research.
4. Preparing graduates to be innovative leaders.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science in Nursing degree program if they meet all the following requirements:

1. Applicants must meet the admission requirements for [Graduate College](#).
2. Applicants must have graduated from a Commission on Collegiate Education (CCNE) or Accreditation Commission for Education in Nursing (ACEN) accredited nursing program.
3. Applicants must have a cumulative undergraduate grade point average of 3.00.
4. Applicants must have an unencumbered license to practice as a registered nurse without a history of disciplinary action of any kind.

5. Applicants must submit recent scores for either the Graduate Record Examination (GRE) or the Miller Analogy Test (MAT) to the Graduate College.

6. RNs with a bachelor's degree in a field other than nursing will be required to complete NURN 4003, NURN 4024, and NURN 4034.

Conditional Admission

Applicants who fail to meet the above requirements may be admitted conditionally by the Graduate Admissions Committee to earn a maximum of twelve (12) graduate credit hours. If a student was admitted conditionally based on grade point average, the condition will be met if upon completion of twelve (12) semester hours a cumulative grade point average of 3.00 or better is achieved.

Academic Advisors

The Nursing Graduate Studies Committee will assign a faculty advisor to each student admitted to the Nursing degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Additionally, the academic advisor and the Graduate College will monitor the student's progress. It remains, however, the student's responsibility to understand and to satisfy all degree requirements. RNs with a bachelor's degree in a field other than nursing will be required to complete NURN 4003, NURN 4024, and NURN 4034.

Degree Requirements

Thirty-nine credit hours are required for completion of the MSN Degree. Thirty hours shall be completed in a professional core component, including six (6) hours of research methods and 3-6 hours of research thesis/project (application). Nine (9) hours shall be completed in one of two specialty concentration areas: Nursing Administration (including six (6) hours of practicum) or Emergency Management.

Core Curriculum (30 hours)

NUR 6103 Theoretical Perspectives

NUR 6203 Research Design and Methods

NUR 6213 Epidemiology

NUR 6303 Law, Ethics, and Policy in Healthcare

NUR 6313 The Role of the Nurse Administrator

NUR 6513 Fiscal Management in Health Care System

EMHS 6063 Principles of Emergency Management

EMHS Electives - Three (3) hours (5000-6000 Level)

NUR 6403 Non-Thesis Project *AND*

Three (3) hours of Electives

-Or-

NUR 6993 Research Thesis

NUR 6993 Research Thesis

Nursing Administration Concentration Area

NUR 6503 Organizational Behavior and Human Resource Management

NUR 6526 Nursing Administration Practicum

Emergency Management Concentration Area

EMHS 5000-6000 Elective - Nine (9) hours

MSN Track for registered nurses who have a bachelor's degree in a field other than nursing

The additional nine (9) hours of prerequisite courses for students in this track include the following:

NURN 4003

NURN 4024

NURN 4034

1. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
2. Twenty-Seven hours of graduate work must be taken while in residence at Arkansas Tech University.
3. The master's degree program must be completed within six (6) years from the time of admission to the graduate program.

Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must (in advance of enrollment) obtain written approval from the program director and the Graduate College Dean.

MASTER OF ARTS IN HISTORY

The Master of Arts in History program at Arkansas Tech University is designed to provide advanced study for current and future educators (secondary and post-secondary) as well as those who plan to pursue the doctoral degree in history. The degree is also ideal for those seeking careers in museum or heritage studies, publishing, business, law, public service, or the private sector. Graduate faculty hold advanced degrees from noted universities and exhibit strong credentials in teaching, research, and scholarship. The graduate faculty also maintain a supportive academic environment that enables them to interact closely with graduate students.

This program may be completed online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Arts degree program in History if they meet the following requirements:

- 1 .Applicants must meet the admission requirements for [Graduate College](#).
- 2 .Applicants must have a minimum of 24 semester hours in history at the undergraduate level.
- 3 .Applicants must have an overall undergraduate grade point average of 3.00 on a 4.00 scale.
- 4 .Approval from the Program Director.

Conditional Admission

An applicant who does not satisfy the grade point requirement or who has not completed 24 hours of undergraduate work in history is also eligible for admission under these conditions. In some instances, transcripts may be judged to be deficient and the student may be required to complete up to twenty-four (24) undergraduate hours in addition to graduate credits required for the degree. If a cumulative 3.00 grade point average is achieved at the completion of twelve (12) graduate hours, the student will be granted unconditional admission. The nature of the deficiency requirements will be determined by the History Graduate Program Director.

Academic Advisors

The Graduate Program Director serves as the initial advisor for each entering student and will assist the student in coordinating a Degree Plan. The Graduate Program Director will appoint an additional faculty advisor who specializes in the general field of the student's interest to guide the student through the curriculum and help prepare for the thesis or comprehensive exams. The faculty advisor, the Graduate Program Director, the History Graduate Committee, and the Graduate College monitor students' progress as they work through the program. It remains, however, the student's responsibility to understand and satisfy all degree requirements.

Areas of Concentration

The Master of Arts in History program at Arkansas Tech has been designed to offer primary areas of concentration in Modern European History, United States History, and World History.

Degree Requirements

Option I: Thesis Option

The student seeking the Master of Arts degree in History under the Thesis Option must complete the following:

- 1 .A minimum of 30 hours in history at the graduate level (5000-6000).
- 2 .The satisfactory completion of [HIST 6003 Introduction to Graduate Study of History](#) and [HIST 6053 Historiography](#).
- 3 .The satisfactory completion of twelve (12) hours in the primary area of concentration, including at least three (3) hours each in Readings and Seminar courses.
- 4 .The satisfactory completion of an additional six (6) hours in areas of concentration other than the primary area of concentration.
- 5 .The satisfactory completion of six (6) hours of [HIST 6991 Thesis Research-6](#) .
- 6 .All course work must be completed within six (6) years of admission to the degree program.
- 7 .A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.
- 8 .The successful completion of an oral defense of the completed thesis. Candidates will receive additional information on the oral defense from the Program Director upon admission to candidacy.
- 9 .No more than nine (9) hours combined of 5000 level courses, [HIST 6891 Independent Study-4](#) , and [HIST 6883 Workshop](#) may be counted toward the degree.
- 10A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
- 11Thesis hours must earn a grade no lower than "B".

Option II: Non-Thesis Option

The student seeking the Master of Arts degree in History under the Non-Thesis Option must successfully complete the following:

- 1 .A minimum of 30 hours in history at the graduate level (5000-6000).
- 2 .The satisfactory completion of [HIST 6003 Introduction to Graduate Study of History](#) and [HIST 6053 Historiography](#).
- 3 .The satisfactory completion of twelve (12) hours in the primary area of concentration, including at least three (3) hours in Readings courses and three (3) hours in Seminar courses.
- 4 .The satisfactory completion of an additional six (6) hours in areas of concentration other than the primary area of concentration.
- 5 .The satisfactory completion of an additional six (6) hours in any area of concentration, three (3) hours of which must be a Seminar course.
- 6 .All course work must be completed within six (6) years of admission to the degree program.
- 7 .A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.
- 8 .Successful completion of written comprehensive examinations on the completed course work. Comprehensive examinations will comprise two (2) written exams in the primary area of concentration and one in either of the other two (2) areas of concentration. Candidates will receive additional information from the Program Director upon admission to candidacy.
- 9 .No more than nine (9) hours combined of 5000 level courses, [HIST 6891 Independent Study-4](#), and [HIST 6883 Workshop](#) may be counted towards the degree.
- 10A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).

Candidacy

Graduate students admitted unconditionally must apply for candidacy to the selected degree program upon completion of fifteen (15) graduate credit hours. Students admitted conditionally cannot apply for candidacy until all conditions assigned at the time of admission to graduate study have been removed.

Upon the completion of fifteen (15) graduate hours, a hold will be placed on the students' record until a candidacy form has been approved by the Graduate Dean. Failure to apply for candidacy will result in the hold remaining on the students' record, and an inability to register for subsequent coursework.

Students who have filed a candidacy form but do not enroll or receive graduate credit for one (1) academic year must submit a new candidacy form upon being readmitted into the same graduate program. If admitted into a different academic program, students are not required to submit a new candidacy form until fifteen (15) graduate credits have been accumulated within the new program.

Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online. Students must apply for graduation by Reading day of the *semester prior* to the semester of graduation.

Special Conditions of Graduate Credit**Graduate Credit Taken Prior to Admission to Arkansas Tech University**

A maximum of six (6) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the Program Director of the student's major department and the Graduate College Dean. Students must send a written request to the Program Director of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be

applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.

MASTER OF ARTS IN ORGANIZATIONAL DEVELOPMENT AND LEARNING

Master of Arts in Organizational Development and Learning (MAODL) degree provides graduate-level instruction in training and organizational development, organizational management and leadership, globalization and diversity, project management, organizational change, budgeting, implementation, and assessment of organizational development programs. Graduates of the program are prepared for leadership roles in diverse professional settings.

This program is online.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Arts in Organizational Development and Learning if they meet the following requirements:

- 1 .Applicants must meet the admission requirements for the [Graduate College](#).
- 2 .Applicants must submit a current resume/vitae.
- 3 .Applicants must submit names and contact information of two (2) previous/current faculty or supervisors who can attest to the candidate's ability to succeed in an academic setting.
- 4 .Statement of intent addressing career goals, interests in organizational development and learning, as well as areas of research interests.
- 5 .Applicants must meet a minimum undergraduate cumulative GPA of 2.70 or a 3.0 GPA in the last 30 hours.
- 6 .Approval from the Program Director.

Conditional Admission

Applicants who fail to meet the minimum requirements for admission have the opportunity for conditional admission if applicant meets the minimum graduate admission standards and upon a successful appeal to the program director. Students admitted under a conditional status must earn a cumulative 3.0 GPA on the first twelve (12) graduate hours in the program.

Academic Advisors

The director of the program will assign a faculty advisor to each student admitted to the degree program. The advisor will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor, the Department Graduate Committee, and the Graduate College will monitor the student's progress as they progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Degree Requirements

The completion of a minimum of 30 semester hours of graduate work including the following courses:

Required Core Courses (24 hrs)

MGMT 5203 Project Management

OL 5043 Ethical Leadership

OL 5643 Organizational Globalization and Diversity

OL 6043 Leadership in Organizational Change

OL 6143 Consultation, Coaching, and Leadership Development

MGMT 6103 Organizational Management and Leadership

SAA 6113 Research Design and Analysis/ EMHS 6103 Research Design and Methods

OL 6093 Organizational Development and Learning Capstone

Graduate Level Electives (6hrs)

5000 - 6000 Approved Graduate Level Electives

Graduate Certificate in Organizational Learning (12 hrs)

The 12-credit-hour Graduate Certificate in Organizational Learning (GC-ODL) provides graduate-level instruction in organizational leadership, leadership development, adult learning theory, training and development, strategic communication and conflict management, budgeting, ethics, and evidence-based decision-making. Graduates of the program are prepared for leadership roles in diverse professional settings.

Certificate Requirements

The completion of a minimum of 12 semester hours of graduate work including the following courses:

MGMT 6103 Organizational Management and Leadership

OL 5043 Ethical Leadership

OL 5643 Organizational Globalization and Diversity

OL 6043 Leadership in Organizational Change

COURSE DESCRIPTIONS

ALL GRADUATE COURSES

NEW STUDENT ORIENTATION (1ATU)

1ATU 5000: New Graduate Student Orientation

Students will increase their understanding and knowledge of resources on campus designed to help them successfully manage the transition to graduate school. In addition, this course assists graduate students with navigating the administrative aspects of graduate student life and gaining insight and appreciation of growth opportunities available to students outside of the classroom.

1ATU 6000: Graduate Assistant Orientation

Students will increase their understanding and knowledge of resources on campus designed to help them successfully manage the transition to graduate school and the associated responsibilities of their graduate assistant position. In addition, this course assists graduate assistants with navigating the administrative aspects of graduate student life and gaining appreciation of growth opportunities available to students outside of the classroom. Completion of the GA handbook acknowledgement and survey are required to complete this course.

ACCOUNTING (ACCT)

ACCT 6093: Special Topics in Accounting

Course offers an in-depth exploration of selected accounting issues affecting business. The primary focus of the course will vary from offering to offering; thus the course may be taken more than once. There is a required research project.

Note: Students are limited to a maximum of six (6) hours of special topics credit.

ACCT 6103: Accounting Analysis

Prerequisite: ACCT 2004 and 2013 with a "C" or better.

This course uses a case-study approach to demonstrate how to evaluate internal business units as well as potential merger and acquisition targets. The case-study approach is also used to refine operational and capital budgeting skills, to teach advanced cost-volume-profit analysis techniques, and to develop an awareness of domestic and global transfer pricing issues for multi-location entities.

\$35 per SSCH course fee.

ANTHROPOLOGY (ANTH)

ANTH 5403: Interpretation/Education through Museum Methods

Cross-listed: HIST 5403 Interpretation/Education through Museum Methods, MUSM 5403 Interpretation/Education through Museum Methods

Prerequisite: Permission of the instructor or Department Head.

Museum perspectives and approaches to care and interpretation of cultural resources, including, interpretive techniques of exhibit and education outreach materials, and integrating museum interpretation/ education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

Note: May not be taken for credit after completion of ANTH 4403, HIST 4403, or MUSM 4403.

ANTH 5853: Music of the World's Peoples

Cross-listed: MUS 5853 Music of the World's Peoples

A survey of predominantly non-Western world music cultures with attention to sonic structures, musicians, musical instruments, and socio-cultural contexts of music making. Listening emphasized.

Note: Open to students in all majors.

ART (ART)

ART 5723: Art History Seminar

Prerequisite: Graduate standing, permission of instructor.

This course will provide an advanced forum for in depth examination and focus of a particular artist, movement, theme or period in art history.

Note: A student can repeat this course, earning a maximum number of six (6) graduate hours of credit

ART 6163: Survey of 20th Century Photography

An investigation of the development of photography as a fine art or commercial art form or as a medium for social documentary. Fine art photography is emphasized with the work of significant advertising, commercial, and documentary photographers also included.

ART 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ART 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ART 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ART 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

BIOLOGY (BIOL)**BIOL 5064: Evolutionary Biology**

Prerequisite: Graduate standing

This course focuses upon the principles and major concepts in evolutionary biology from a historical and contemporary viewpoint. Morphological and molecular evolution, population genetics, systematics, the fossil record, a history of life on earth, macroevolution, adaptation, and applications to species conservation are among the topics examined in the course. Laboratory exercises include analysis of populations and species with molecular techniques, computer investigations, and internet resources.

\$40 laboratory fee.

BUSINESS ADMINISTRATION (BUAD)**BUAD 6003: Independent Study**

Prerequisites: 21 hours must be completed toward the program requirements.

Students will complete an administrative project approved in advance by their advisor. The project must include elements of administration with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results. The work may take the form of an internship, a research project or a consulting project.

Note: May be repeated for credit.

BUAD 6093: Special Topics in Business

Prerequisite: Twelve (12) hours must be completed toward the degree requirements.

Course offers an in-depth exploration of selected issues affecting business. The primary focus of the course will vary from offering to offering; thus the course may be taken more than once. There is a required research project.

Note: Students are limited to a maximum of six (6) hours of special topics credit.

BUAD 6103: Research Methods

This course explores the basic methodology used within quantitative and qualitative research. Students will be introduced to the language of research, ethical principles, and methods used in the development of the in research design for primary and secondary data and how research tools can provide an understanding of the business environment.

\$35 per SSCH course fee.

BUAD 6903: Industry Analysis

Prerequisite: Completion of 21 hours of the MBA program

Co-requisite: MGMT 6903 Corporate Strategic Management

The purpose of this course is for the student to apply knowledge of research and analysis methods to a major business industry. The student will work with the instructor to identify an appropriate industry to research and analyze culminating in a major written report. The course includes an oral defense of the project and its conclusions before graduate business faculty.

\$35 per SSCH course fee.

BUSINESS DATA ANALYTICS (BDA)

BDA 6073: Special Topics

Offered: As needed

Prerequisites: MGMT 6203 Decision Modeling in Supply Chain Management, BDA 6203 Business Information Analysis, and BDA/MKT 6323 Applied Predictive Analytics

This course offers an in-depth exploration of selected business data analytics topics. The primary topic will vary from offering to offering.

Note: Course may be repeated up to three times if topic varies.

\$35 per SSCH course fee.

BDA 6203: Business Information Analysis

Prerequisite: BUAD 2053, PSY/SOC 2053, STAT 2163, or STAT 2303 with a "C" or better.

In this course, students will learn to make strategic use of information systems and technology to enhance the survival and success of an organization. They will learn how to use and manage these resources to make data-driven decisions, to create insights to assist in developing strategy, and to align the use of IS/IT with organizational goals.

\$35 per SSCH course fee.

BDA 6213: Visualizing Data

Prerequisites: Introduction to statistics course (BUAD 2053, MATH 2163, PSY 2053, or other) and Introduction to MS Office course (BUAD 2003, MS Office Certification, or other).

Students will study ways to develop effective visualizations that are based on the principles cognitive science, graphic design, visual arts, and the visual perception theories. This course develops the ability of student to understand and convey the results of data analysis at the executive level as well as to influence others to act on insights that develop from the analysis of data. The goal of the course is to empower students to identify and illuminate important insights and skillfully display them to improve decision-making. This course covers the use of quantitative analysis and software to create effective displays. The course will advance critical thinking skills because students will be better equipped to evaluate data and eliminate bias from the process of turning data into knowledge. Students will enhance their written and oral communication skills in written reports and presentations of their data visualizations.

\$35 per SSCH course fee.

BDA 6323: Applied Predictive Analytics

Cross-listed: MKT 6323 Applied Predictive Analytics

Prerequisite: BUAD 2053, PSY/SOC 2053, STAT 2163, or STAT 2303 with a "C" or better.

This course will explore multivariate techniques to analyzing data (e.g. multivariate regression, discriminant analysis, logistic regression, market-basket analysis, forecasting and other analytic techniques). The focus of the course will be providing input for organizational strategic decision-making. As an applied analytics course, emphasis will be on application of predictive analytic techniques explored through conceptual, computational, procedural and computer applications.

\$35 per SSCH course fee.

BDA 6343: Advanced Analytics

Prerequisite: BDA 6323 Applied Predictive Analytics

This course will explore advanced analytic techniques such as machine learning and artificial intelligence as well as cluster analysis, decision trees and other advanced statistical techniques. The student will formulate advanced models and explore their use to solve complex business problems.

\$35 per SSCH course fee.

BDA 6353: Big Data Strategies

This cutting-edge course delivers sophisticated material in an easy-to-understand, accessible way. Students will learn the foundational knowledge and tools needed to seize the opportunities that big data analytics presents as well as how to align these efforts with the organizational goals and strategies.

\$35 per SSCH course fee.

BDA 6363: Analytics Strategy

Prerequisites: BDA 6323 Applied Predictive Analytics and BDA 6343 Advanced Analytics

This course focuses on management of data analytics activities within an organization. Data identification, acquisition, cleansing, and analysis activities will be discussed as part of an organization's overall data, I.T. and corporate strategy. The course will explore the analytics manager's role in aligning the activities of the analytics function with the organizations data, information and corporate strategy.

\$35 per SSCH course fee.

CHEMISTRY (CHEM)

CHEM 6881: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

CHEM 6882: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

CHEM 6883: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

COMMUNICATION (COMM)

COMM 5003: Human Communication Theory

This communication theory class integrates learning about speech communication in various contexts. It is an in-depth study of contemporary and traditional perspectives of human communication, and synthesizes major concepts in human communication theory development.

Note: May not be taken for credit after the completion of COMM 4003.

COMM 5053: Speech Communication Seminar

A course for both majors and non-majors who want to investigate the relationships between human communication and contemporary social, political, and economic issues.

Note: May not be taken for credit after the completion of COMM 4053 unless the topics differ. May be taken for duplicate credit.

COMM 5063: Organizational Communication

Theories and practices of organizational communication are examined from a critical and historical perspective. Issues related to the personal, relational, cultural, group, business, global, and ethical dimensions of everyday communication practices are analyzed. Includes lecture, discussion, research, and group projects.

Note: May not be taken for credit after the completion of COMM 4063.

COMM 5123: Rhetorical Criticism

This course will provide the principles of rhetorical theories as they have developed throughout history and apply them to the critical analysis of various communication events.

Note: May not be taken for credit after the completion of COMM 4123.

COMM 5153: Persuasive Theory & Audience Analysis

Survey of classical and social science theories of persuasion. Particular emphasis is given to analysis of persuasive strategies, preparation of persuasive appeals, ethics of persuasion, and audience analysis. A consideration of social movements and persuasive campaigns is also included.

COMM 5223: Communication and Gender

This class asks students to think critically about and beyond the categories of "women" and "men." Students will actively contribute to discussions as we explore the intersection of gender with culture in such contexts as the workplace, sports, the media, families, and friendships.

Note: May not be taken for credit after completion of COMM 4223

COMM 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

COUNSELING (COUN)

COUN 6003: School Organization and Leadership for the Counselor

The course will examine how schools are organized and supported from the federal level to the local school. The concepts of leadership and its role at all levels will be a focal part of this study. Students will begin to examine their leadership style and dispositions.

COUN 6011: Instructional Leadership/Counseling

This course will focus on the "hard and soft" skills of instructional leadership, counseling, and micro-counseling. The teaching and learning process will be the focus of student work. Students will learn how to observe and coach for excellence in teaching and learning. The reflective practice model will serve as a basis for theory and skill development.

COUN 6012: Assessment and Appraisal

This course will focus on an in-depth study of norm reference and criterion reference assessments. Group, standardized assessment and individual assessment will be addressed. Student will study assessment techniques, instruments selection, analysis and interpreting assessment data, as well as appropriate ways to report data.

COUN 6113: Action Research and Data Analysis for High Performing Schools

This course will center on the analysis of data with emphasis on student achievement and whole school accountability. Data-driven decision making will be examined. Students will look at research methodologies with a focus on action research and the role of the leader in facilitating action research in the field.

COUN 6133: Principles of Curriculum Development

This course will focus on national, state, and local curriculum standards. Students will gain an understanding of the alignment issues of curriculum, instruction, and assessment as they prepare a curriculum artifact based on the principles of curriculum.

COUN 6143: Organizational Change/Role of School Counselor

This course will examine theories of change looking at research and case studies of first and second order change. Students will gain strategies as leaders of change as schools work to move closer to higher performance. Students will study a current change taking place in a school.

COUN 6152: Professional Portfolio

Students will develop a portfolio organized to provide evidences demonstrating proficiency supporting the standards for Arkansas licensure requirements for counselors. This professional portfolio will be a comprehensive collection of artifacts reflective of the program of study designed to meet the standards for school counselors.

COUN 6202: Ethics and Legal Issues for the School Counselor

This course will prepare school counselors to address the challenge of legal and ethical decisions, while keeping the students' welfare in mind, by abiding by the Code of Ethics set forth by the American School Counseling Association (ASCA) Ethical Standards, as well as the American Counseling Association (ACA) Ethical Standards. The students will gain knowledge of and an understanding for Arkansas school law in dealing with legal issues.

COUN 6213: Developmental Counseling: Theory and Application

This course provides an overview of the basic tenets of life span development and how they relate to school counseling. Developmental Counseling contains a balance of research, theoretical clarity, and practical application as students move through the stages of lifesaving development.

COUN 6224: Counseling Skill Development I

Students will examine basic skills and characteristics involved in becoming effective school counselors; will articulate, practice, and demonstrate basic mastery of these skills and characteristics; will develop a systematic approach to the counseling process; and will assess personal strengths and limitations related to becoming professional school counselors.

COUN 6233: School Counseling Programs

This course will review the basic concepts and principles of elementary, middle, and secondary school counseling programs. Specific focus will be on program accountability, development, and leadership of school-based counseling programs.

COUN 6243: Group Counseling Strategies in the Schools

Students will be expected to draw relationships among the concepts and principles of individual, family, and group counseling and apply that knowledge to a school setting.

COUN 6253: Career Development/Academic Advising

This course prepares school counselors to facilitate the public school's role in career development, through awareness to planning, and decision making within the educational context. A focus is placed on student academic development and advising, as well.

COUN 6263: Teaming, Collaboration, and Advocacy

This course emphasizes the values, knowledge, and skills required for effective advocacy and brokering of services through consultation and collaboration. Use of data to identify needs, remove barriers and mobilize resources from the school and the community in order to increase options for students are primary themes through the course. Special attention is placed on equal access of all students to rigorous educational experiences.

COUN 6302: School Counseling Internship

This course provides graduate students an opportunity to engage in supervised, on-the-job experiences in a school setting. The internship includes scheduled on-campus group supervision designed to provide guidance, analysis, and evaluation of this capstone field experience. \$100 internship fee.

COUN 6303: Counseling Skill Development II

Students will examine intermediate skills and characteristics involved in becoming effective school counselors. Students will articulate, practice, and demonstrate mastery of these skills and characteristics; will develop a systematic approach to the counseling process; and will further assess personal strengths and limitations related to becoming professional school counselors.

COUN 6304: Internship

This course provides graduate students an opportunity to engage in supervised, on-the-job experiences in a school setting. The internship includes scheduled on-campus group supervision designed to provide guidance, analysis, and evaluation of this capstone field experience.

\$200 internship fee

COUN 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. May be repeated for a maximum of four (4) hours.

COUN 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. May be repeated for a maximum of four (4) hours.

COUN 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. May be repeated for a maximum of four (4) hours.

CRIMINAL JUSTICE (CJ)

CJ 5013: Drugs in Society

Cross-listed: SOC 5013 Drugs in Society

Prerequisite: BA or BS in Sociology or related field.

This course presents a comprehensive study of the history and prohibition of drugs use in the United States, as well as the effects of drugs on society in the form of crime, prison, and treatment. The main focus of this class is on the history of drug use, how certain drugs become illegal, and the intended and unintended consequences of drug prohibition for communities and society.

DRIVER EDUCATION (DE)

DE 5543: Driver and Traffic Education II

Prerequisites: Arkansas Teaching Certificate, valid driver's license, good driving record, or approval of department head.

This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. It includes administration, supervision of personnel, design of facilities, and a research project.

Note: May not be taken for credit after completion of DE 4543 or equivalent.

DE 5613: Driver and Traffic Education I

Prerequisites: Arkansas Teaching Certificate, valid driver's license, good driving record, or approval of department head.

This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. This course provides a survey of materials and methods of instruction plus evaluation of textbooks and in-car training of a student driver.

Note: May not be taken for credit after completion of DE 4613 or equivalent.

Two (2) hours lecture, two (2) hours laboratory.

DYSLEXIA (DYS)

DYS 5003: Dyslexia and Other Learning Disorders

This course is designed to provide dyslexia specialist candidates an introduction to the field of dyslexia and related learning disorders. This course will focus on an understanding of the science of reading including phonemic awareness, phonics, fluency, vocabulary, and reading comprehension, as well as concepts of print. A variety of approaches to reading and writing instruction, assessment practices, and issues in reading curriculum development will be addressed with particular emphasis on students with dyslexia and other struggling readers. This class has a 5-hour field work component.

DYS 5013: Foundation of Language and Literacy Development

This course is designed to provide the dyslexia therapist candidates with a deep understanding of the stages of language processing as well as the structure of language, and define and identify factors that contribute to literacy.

DYS 5023: Interpreting and Administration of Assessments for Planning Instruction

This course is designed to provide the dyslexia specialist candidates with a comprehensive view of academic assessments. The course will familiarize the student with an overview of statistical concepts, the basic theories of assessment, interpreting data for instruction, and practicum experience administering academic assessments for planning instruction.

DYS 5033: Professional Learning and Leadership

Professional Learning and Leadership is a course designed to prepare students to serve within a Dyslexia Specialist position with all the incumbent responsibilities. To be able to ethically design, facilitate, lead and evaluate differentiated professional development programs for working with students with Dyslexia based on the most up to date research and policy from the local, state and national levels.

DYS 5043: Structured Language Teaching

Structured language teaching is a course designed to prepare students to design, teach, evaluate, and adjust a variety of multisensory and multimodal approaches that effectively support students diagnosed with dyslexia (reading difficulties).

EARLY CHILDHOOD EDUCATION (BS) (ECED)

ECED 6323: Designing Quality Early Literacy Experiences (birth - age 9)

A study of the theory, materials, methods, and instructional techniques applicable to language development and emergent literacy experiences during the early childhood education years - birth through age nine. This course examines developmentally appropriate integrated and interdisciplinary approaches to literacy development encompassing writing, reading, and oral language development of young children in the home and school environment.

ECED 6523: Survey of Research in Early Childhood Education

Prerequisite: EDFD 6003 Educational Research.

Seminar will be based on current interest of students and will serve as means of synthesizing their experiences. An interdisciplinary approach will be taken to exploring current issues and problems in early childhood education, current happenings as they relate to the issues and major research efforts to support programs. A critical review examination and evaluation of investigations, studies, and other research finding which have special significance for early childhood education will be explored. The implications of this research for educational practice will also be considered.

ECED 6603: Psychosocial Development: Infancy, Childhood, Family

Prerequisites: Recent undergraduate/graduate class in child development or permission of instructor.

Social/emotional development in infancy and early childhood and the development of parent-child relationships; developmental sequences in infancy and early childhood in relation to lifespan development issues; impact of various disabilities upon attachment and interaction and upon general family adjustment; methods of promoting optimal psychosocial and family development within the context of cultural variations.

ECONOMICS (ECON)

ECON 6093: Special Topics in Economics

Course offers an in-depth exploration of selected economics issues affecting business. The primary focus of the course will vary from offering to offering; thus the course may be taken more than once. There is a required research project.

Note: Students are limited to a maximum of six (6) hours of special topics credit.

ECON 6103: Managerial Economics

Prerequisite: ECON 2003 with a C or better and ECON 2013 with a C or better.

The course emphasizes data driven analysis of domestic and global market demand, surviving in a competitive environment, pricing with market power, analyzing strategic interaction, and optimizing production processes.

\$35 per SSCH course fee.

EDUCATIONAL FOUNDATIONS (EDFD)

EDFD 6003: Educational Research

Cross-listed: MAT 6003 Educational Research

An introduction to educational research procedures, including formulation of research problems, research designs, data collection, and analysis of data.

EDFD 6043: Principles and Theories of Learning

Cross-listed: MAT 6043 Principles and Theories of Learning

This course introduces teacher candidates to educational psychology as a research oriented discipline and a science of practical application.

EDFD 6053: The At-Risk Child in the School Environment

Cross-listed: MAT 6053 The At-Risk Child in the School Environment

A seminar designed to investigate the characteristics of the at-risk student and to investigate the teaching strategies utilized to meet the needs of the at-risk student in the regular classroom.

EDFD 6063: Educational Assessment

Provides the knowledge base for construction, selection, administration, and interpretation of formal, informal, and alternative forms of student assessment.

EDFD 6313: Principles of Curriculum Development

A study of the elements and principles of curriculum design and construction for teachers at the elementary and secondary school levels. The course considers the theoretical concerns of curriculum planning as well as the activities involved in carrying theory into practice.

EDFD 6403: Social, Historical, and Legal Factors in Education

Cross-listed: MAT 6403 Social, Historical, and Legal Factors in Education

This course examines the study of education and various social groups, including the effects of various societies and educational systems. It also examines the legal factors that must be considered in the educational process.

EDFD 6503: Classroom Behavioral Management

Cross-listed: MAT 6503 Classroom Behavioral Management

A seminar to examine research for sources and types of models available for managing the classroom. Development of classroom management skills and systems by applying human development, learning, teaching, and communication principles. This class will review the research and professional literature on classroom management. It includes a practicum involving field experiences in the public school.

EDFD 6703: Guidance in Education

Designed to provide the classroom teacher with the background knowledge and skills to provide classroom assistance in areas related to the school's guidance program.

EDFD 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDFD 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDFD 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDFD 6991: Project or Thesis Research Continuation

This course allows students additional time to research and compose their capstone project/portfolio.

EDFD 6993: Project in Educational Research

Prerequisite: EDFD 6003 Educational Research with a C or better.

Study and directed research on a topic selected by the student in consultation with a supervising professor.

EDUCATIONAL LEADERSHIP (EDLD)

EDLD 6002: Administrative Law

This course is an introduction to the legal environment of schools. It focuses on the legal concepts, regulations, and codes that principals must know in order to carry out proper school operations. Special emphasis is given to the implementation of policies, regulations, rules, and procedures in the public schools.

EDLD 6013: School Organization and Leadership

This course is a study of the organization and structure of public schools and the principal's role in connecting people, purpose, and practice. For the final project, students will evaluate an existing school schedule and propose a new master schedule that addresses two areas of concern.

EDLD 6023: Organizational Change

This course is a study of the principles of organizational change and how they relate to educational institutions. For the final project, students will evaluate an existing school program and write a detailed proposal to develop and implement a focused improvement plan that leads to an effective school change.

EDLD 6102: School Finance

This course is an introduction to school finance including funding formulas, accounting techniques, and budgeting. It focuses on the financial concepts that principals must know in order to carry out proper school operations. Special emphasis is given to the implementation of financial policies in public schools.

EDLD 6113: Action Research and Data Analysis

This course will address the theories and practice of research with an emphasis on action research for school improvement. For the final project, the student will gather data from one's school and create a formal action research proposal.

EDLD 6153: Communication with School and Community

This course focuses on developing the knowledge, understanding, and skills necessary to establish strong systems of communication and effective relationships with diverse constituents. For the final project, students will develop a comprehensive school communication plan that addresses the needs of all shareholders.

EDLD 6203: Education and Society: Continuities and Discontinuities

This course will review the history of U.S. education with a focus on the relationship between society and educational systems and their stability. For the final project, students will evaluate an existing school culture, then create a specific improvement plan that is supportive, equitable, culturally responsive, and inclusive of all shareholders.

EDLD 6253: Instructional Leadership

This course focuses on the principal's role as an instructional leader. For the final project, the student will use school data to identify a specific content-area that needs attention, then write a detailed plan for improvement.

EDLD 6303: Technology as an Administrative Tool

The role of technology in improving the education system is the focus of this course. The use of technology by the administrator to improve the quality of education managerially and instructionally is the emphasis of the course.

EDLD 6313: Principles of Curriculum for School Leadership

This course examines the development, implementation, and evaluation of curriculum as it relates to school leaders with a focus on the principal's role in facilitating effective change. For the final project, students will create a master plan for dealing with current or emerging curriculum, instruction, or assessment trends in Arkansas.

EDLD 6352: Physical Environment of Schools

This course focuses on the effects that a school's physical environment has on instructional processes and student learning. It also explores the components of physical plants that are conducive to and effective for improving instruction and learning.

EDLD 6402: Working with the Marginal Performer

This course focuses on identifying and addressing the characteristics of marginal performance in teachers. It includes an in-depth study of the Arkansas teacher evaluation system (TESS). For the final project, students will apply this system to recommend contract renewal or dismissal for one of two fictional teachers described throughout the course.

EDLD 6551: Administrative Internship

This one-credit hour field experience allows students to apply the theoretical and research-based content of EDLD courses to the practical day-to-day operation of a typical public school. Students will implement the various subsystems of education under the direct mentorship of experienced educational administrators.

There is a \$50 internship fee for this course. It may be repeated for a maximum of four (4) credit hours.

EDLD 6552: Administrative Internship

This two-credit hour field experience allows students to apply the theoretical and research-based content of EDLD courses to the practical day-to-day operation of a typical public school. Students will implement the various subsystems of education under the direct mentorship of experienced educational administrators.

There is a \$100 internship fee for this course. It may be repeated for a maximum of four (4) credit hours.

EDLD 6554: Administrative Internship

This four-credit hour field experience allows students to apply the theoretical and research-based content of EDLD courses to the practical day-to-day operation of a typical public school. Students will implement the various subsystems of education under the direct mentorship of experienced educational administrators.

There is a \$200 internship fee for the course.

EDLD 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

EDLD 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

EDLD 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

EDLD 6991: Professional Portfolio

Arkansas licensure requirements for "Building Level Administrator" require the creation of a professional portfolio that demonstrates proficiency in all required standards. This course is designed to help students understand the process of creating this comprehensive collection of artifacts. Portfolios must be presented to and approved by a faculty portfolio review committee (usually during the final semester).

Note: Students whose presentations are not successful during the scheduled semester must re-enroll for an additional semester in order to complete this requirement.

EDLD 7003: Seminar in Systems Issues

This course focuses on system issues and the resulting development of coherent educational policy for public elementary and secondary schools that unifies purpose. This focus is primarily at the state level, where formal responsibility lies, but it concerns federal and district policy as well as school practice.

EDLD 7013: The Superintendency and Central Office

The scope and function of the central office will be the focus of this course. Theory and practice from the central office/ superintendent's perspective of such areas as superintendent-board relations, public relations, strategic planning, professional negotiation, special programs administration, leadership style, and school climate.

EDLD 7023: School Board Relations

The study of school board-administrator relationships and procedures with emphases on community relations, the politics of education and functioning cohesively as an educational, policy-making group.

EDLD 7033: School Personnel and Business Management

Principles, processes and procedures of school personnel management and business management are probed. Issues and topics investigated include supervision, evaluation, recruitment, staff development, salary and contractual obligations, attendance accounting, APSCN procedures, financial accounting, and property accounting.

EDLD 7113: Seminar in Current Issues

The course will investigate contemporary issues and trends related to educational leadership and examine problems and solutions that are of current concern for school organizations. These issues include school finance alternatives, serving a diverse constituency, meeting individual and group needs, accountability issues, instructional issues including the integration of technology, evaluation of instructional issues, evaluation of programs and personnel, and changing policies at the state and national level.

EDLD 7123: Educational Facilities

This is a study of school facilities and transportation planning and concepts, management and practices. Topics include how to use and maintain present school plants, keeping the board and community informed as to building needs, selecting architects, financing construction, safety and security issues, and developing educational specifications.

EDLD 7133: School Finance for District Level Administration

Economics and school finance: Basic concepts include local, state and federal support of education, the Arkansas State Financial System (APSCN), budgeting and projecting, financing capital items, centralization vs. site-based concepts, fiscal management, auditing, and communicating finance to the board and community.

EDLD 7143: School Accountability Systems

This course probes the essential elements of a monitoring system designed to help schools and districts acquire the information they need to better realize their intentions for improvement, accountability, and school restructuring.

EDLD 7153: District Internship

A field study experience providing the student with an opportunity to synthesize and apply knowledge, and develop and practice administrative skills as they relate to school accountability systems. It applies reflective practice under the direction of a practitioner mentor and a university advisor and focuses on a monitoring system model.

\$100 internship fee.

EDLD 7163: Statistical Methods for District Leaders

An introductory study of inferential statistics utilizing parametric and nonparametric procedures to analyze school data.

EDLD 7173: Advanced Legal Issues

This course focuses on the United States Constitution and its effects on due process requirements for public schools. Issues include the relationship of constitutional, statutory and case law to public school districts particularly in these areas of current concern - students' rights and responsibilities, teachers' rights and responsibilities, procedural and substantive due process, and liability.

EDLD 7201: Administrative Internship in District Level Finance

A field study experience providing the student with an opportunity to synthesize and apply knowledge, and to develop and practice administrative skills as they relate to the principles of district level school finance. It applies reflective practice under the direction of a practitioner mentor and a university advisor and focuses on existing state and district level financial practices, resources, and responsibilities.

\$50 internship fee.

EDLD 7891: Independent Study

Prerequisite: Ed.S. Program Director Approval.

This Independent Study is open to students pursuing the Ed.S. degree who wish to pursue individual study, investigation or project based research of some facet of knowledge which complements the Ed.S. program of study. Students will be required to plan their program submitting a formal program of study request, prepare written reports throughout the study and present their findings in a formal paper.

Note: A student may take no more than six (6) hours of Independent Study work.

EDLD 7892: Independent Study

Prerequisite: Ed.S. Program Director Approval.

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Note: A student may take no more than six (6) hours of Independent Study work.

EDLD 8003: Applied Research

Prerequisites: Admission to Ed.D. program

This course of study facilitates excellence in teaching by exploring contemporary paradigms of educational research with an emphasis on informing thinking and decision-making to address problems in schooling. Skills to be emphasized include conceptualizing real-world problems in an inquiry manner so that information derived from the research literature can be applied to the problem, synthesizing the line of investigation. Seeing the historical perspective of the research and critically judging the worth or quality of the study (internal validity, sampling adequacy). Students will review the literature, develop an inquiry problem, gather and analyze data, and make recommendations to solve the problem.

EDLD 8013: Scholarly Writing

Prerequisites: Admission to Ed.D. program

This course is designed to provide an overview of the literature review as it pertains to the research process and assist students in beginning to create a knowledge base about scholarly writing. Peer and instructor support systems are used in this course to enable student groups to complete a 22-page literature review in preparation for future course requirements. Special attention will be focused about the American Psychological Association (APA) Publication Manual (6th Ed).

EDLD 8023: Quantitative Research

Prerequisites: Admission to Ed.D. program

The focus of this course is the application of quantitative research methodology in the study of educational practice. Emphasis will be placed on study design, data collection, and data analysis using quantitative research methods. The fundamentals of quantitative research will be emphasized. Statistical analyses will be conducted using the SPSS software.

EDLD 8033: Qualitative Research

Prerequisites: Admission to Ed.D. program

This course is intended to build in students' understandings of qualitative research, its theory and methods. As a doctoral-level research course, the material covered will be intended to prepare the student for successful competing of a qualitative doctoral dissertation.

EDLD 8043: Cultural Influences

Prerequisites: Admission to ED.D. program

This course facilitates excellence in leadership by exploring current knowledge and research related to communication that builds positive relationships and community in a global society. Issues discussed include, but are not limited to, socioeconomic, ethnicity, gender, age, and other issues that require courageous communication. An emphasis on the educational leader as will guide the examination of socio-cultural and diversity issues pervasive in communicating and building relationships in a global society. These issues will be examined through an exploration of philosophy, leadership, multicultural, and critical pedagogy. Existing, as well as emergent cultural and societal patterns will be contextualized in terms of leadership in Arkansas, the US, and globally.

EDLD 8053: Ethics and Values

Prerequisites: Admission to Ed.D. program

This course focuses on the ethical administrator, the ethical practice of educational leadership and the ethics of equity and social justice. Specific philosophical approaches and ethical theories will be discussed. Particular attention will focus on ethical leadership practices within a learning community and include field-based exploration.

EDLD 8063: Dissertation I-Proposal Writing

Prerequisites: Admission to the Ed.D. program. Completion of all core doctoral classes.

Students will prepare Chapter 1 - 3 for a dissertation proposal to be presented to the doctoral chair and committee members.

EDLD 8073: Synthesis Seminar

Prerequisites: Admission to Ed.D. program

Integrating, synthesizing, and evaluating major concepts encountered in previous doctoral coursework. This course involves the completion of a student proficiency assessment comprised of a portfolio, synthesis paper and oral presentation. Successful completion is required to apply for candidacy.

EDLD 8083: Dissertation II

Prerequisites: Synthesis presentation and portfolio, and admission to candidacy.

Students will prepare Chapter 1-3 for a dissertation proposal. The proposal will be defended with the doctoral committee. Successful completion is required for advancement to candidacy.

EDLD 8093: Dissertation III

Prerequisites: Synthesis presentation and portfolio, and admission to candidacy. Successful defense of dissertation proposal.

Students will prepare Chapter 1-5 for a dissertation proposal. The candidate will conduct research and complete the dissertation and refine chapters 1-3.

EDLD 8101: Dissertation IV

Prerequisites: Synthesis presentation and portfolio, and admission to candidacy. Successful defense of dissertation proposal.

Dissertation will be completed and defended. Students must maintain continuous enrollment from the time of advancement to candidacy and register for at least three credit hours each semester until successful dissertation defense, not to exceed three years of advancement to candidacy. Minimum number of dissertation credit hours is twelve.

Note: May be repeated for credit.

EDLD 8102: Dissertation IV

Prerequisites: Synthesis presentation and portfolio, and admission to candidacy. Successful defense of dissertation proposal.

Dissertation will be completed and defended. Students must maintain continuous enrollment from the time of advancement to candidacy and register for at least three credit hours each semester until successful dissertation defense, not to exceed three years of advancement to candidacy. Minimum number of dissertation credit hours is twelve.

Note: May be repeated for credit.

EDLD 8103: Dissertation IV

Prerequisites: Synthesis presentation and portfolio, and admission to candidacy. Successful defense of dissertation proposal.

Dissertation will be completed and defended. Students must maintain continuous enrollment from the time of advancement to candidacy and register for at least three credit hours each semester until successful dissertation defense, not to exceed three years of advancement to candidacy. Minimum number of dissertation credit hours is twelve.

Note: May be repeated for credit.

EDUCATIONAL MEDIA (EDMD)

EDMD 5033: Introduction to Instructional Technology

An introductory media and media methods course providing an introduction to: instructional computer utilization; applications of principles of graphic design in the production of audiovisual materials; the application of visual literacy, communications, and learning theory to the selection, evaluation, and use of instructional materials; and the development of mediated units of instruction.

EDMD 5043: Foundations of Online Curriculum Design and Evaluation

This course presents an overview of curriculum development and an introduction to the Instructional Systems Design Model. Participants will learn to design and evaluate curriculum, develop instructional materials, assess student learning and measure instructional outcomes for use in online classes for K -12. Topics include preparation of course outlines and syllabi, development of lessons plans, design of evaluation instruments and an explanation of how learning objectives and evaluation strategies affect the selection of content and materials.

EDMD 5053: Online Course Development with Multimedia

This course will introduce participants to study of the latest techniques and software to enhance the creation and design of online learning courses or programs. This class will present an overview of graphics, audio, video, Flash, and other multimedia used to develop online learning activities. This course will also introduce students to audio and video technologies, general multimedia tools and those specialized in accessing learners with disabilities. Participants will be introducing to the concepts of streaming vs. progressive download vs. download, different multimedia, streaming formats and illustrated audio.

EDMD 5063: Advanced Curriculum Design for the Online Classroom

Prerequisites: EDMD 5033 Introduction to Instructional Technology and MAT 5703 Technology for Teaching and Learning or approval or instructor
This class examines elements of effective instructional design for the online learning environment. Students will learn how to create tailored instructional models based on course objectives, target audience, subject matter content, class management and assessment methods. This course will study the design of effective, reliable assessment techniques and evaluation models for online learning. The course is comprised of three major phases of the design process (Analysis, Design, and Development) that guide students through converting or developing course material for an online course. Participants in this course will also create a capstone project focusing on their lessons from throughout the entire Teaching Online certificate program. This course will focus on student's progress and practical application to current or prospective work opportunities. Students will work collaboratively with an advisor before submitting their final project.

EDMD 6113: Emerging Technologies for Education and Training

This course is a study of different technologies available for administrative, instructional, and management uses in education and training and focuses on both the current technologies available and those in the adjacent future. Students will explore the affordances provided by these technologies for productivity, skill development, and content creation.

EDMD 6123: Audio in Media

Prerequisite: EDMD 5033 Introduction to Instructional Technology or similar introductory course in instructional technology or by permission of instructor.

A study of the technology of sound and the process of producing sound for media programs. The course covers the principles and equipment of sound, pre- production planning, production processes and post-production editing, and the technology of sound. In addition to the study of the principles of sound production, students will apply theories and principles in the production of media programs through a series of production assignments.

EDMD 6133: Production of Digital Instructional Materials

Prerequisite: EDMD 5033 Introduction to Instructional Technology or approval of instructor

Advanced applications, techniques, and processes involved in the production of instructional materials. Emphasis is placed on the production of completed education and training units using digital images, electronic presentations, and web-based materials.

EDMD 6163: Internet Resources

An introduction to resources available on the Internet as well as the tools needed to navigate within a worldwide network of computers, made up of thousands of autonomous networks which are separately administered.

EDMD 6233: Administration of Media Programs

Prerequisite: Nine (9) hours of graduate study or approval of instructor.

A study of the administrative responsibility involved in the organization, implementation, and operation of comprehensive media programs. Specific areas of study include: planning, budgeting, selection of equipment and materials, computerizing administrative functions, proposal development, and program evaluation. Will include site visits to area media centers and training facilities.

EDMD 6303: Survey of Instructional Technology

A survey of current media research, educational media formats, and utilization of mediated materials in education and training, and the development of instructional programs.

EDMD 6313: Instructional Design and Product Development

Prerequisites: Nine hours of instructional technology courses, including a media production course.

A study of the systematic approach to the design, production, evaluation, and utilization of instructional materials. Using design models and general theoretical knowledge specifications, students will write goals and objectives, identify learner characteristics, conduct task analyses, define learning conditions and instructional events, produce instructional products to meet identified needs, and field test finished products.

EDMD 6333: Instructional Multimedia

A study of the human, persuasive, and communicative elements of the medium of television; the effective use of television in education and training; and the writing, producing, directing, and editing of one-camera and studio television productions.

EDMD 6433: Practicum in Educational Media

An overall view of the field of educational media and instructional technology. Current journals, trends, and authorities in the field will be studied. Students will participate in 120 hours (3 hrs. credit) OR 240 hours (6hrs. credit) of practical work in media centers or training facilities, will visit selected media centers, and will submit a research paper or project on current trends in educational media or instructional technology.

Note: Required of all library media specialist students.

\$50 course fee.

EDMD 6436: Practicum in Educational Media

An overall view of the field of educational media and instructional technology. Current journals, trends, and authorities in the field will be studied. Students will participate in 120 hours (3 hrs. credit) OR 240 hours (6hrs. credit) of practical work in media centers or training facilities, will visit selected media centers, and will submit a research paper or project on current trends in educational media or instructional technology.

Note: Required of all library media specialist students.

\$100 course fee.

EDMD 6513: Computer Based Instruction

An introduction to the use of the computer as a classroom tool to aid in individual instruction. A survey of existing programs available to support courseware development and use on microcomputers, minicomputers, and mainframes. Hands-on experience in developing an interactive instruction lesson.

Note: May not be taken for credit after completion of COMS 4513/5513 or equivalent.

EDMD 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDMD 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDMD 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDMD 6891: Instructional Technology Curriculum

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

EDMD 6892: Instructional Technology Curriculum

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

EDMD 6893: Instructional Technology Curriculum

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ELECTRICAL ENGINEERING (ELEG)**ELEG 5113: Digital Signal Processing**

Prerequisites: ELEG 3123 and 3133.

The study of discrete-time signals and systems, convolution, z-transform, discrete-time Fourier transform, analysis and design of digital filters. Students write software for real-time implementation of selected signal processing algorithms using DSP microcomputer hardware.

Note: May not be taken for credit after completion of ELEG 4113.

ELEG 5133: Advanced Digital Design

Prerequisites: ELEG 2130 and 2134.

A project oriented course in which students develop and test custom digital integrated circuits (IC's). An overview of IC design systems and manufacturing processes is presented. Economics of IC production are discussed. Hardware Description Languages (HDL's) are studied. Students design and implement custom IC's using schematic based entry and HDL's.

Note: May not be taken for credit after completion of ELEG 4133.

ELEG 5153: Communication Systems II

Prerequisite: ELEG 4143.

Continuation of ELEG 4143. Design and analysis of analog and digital communication systems, taking into account the effects of noise. Random variables, random processes, analog and digital communication systems in the presence of noise.

Note: May not be taken for credit after completion of ELEG 4153.

ELEG 5313: Modern Control Systems

Prerequisite: ELEG 4303.

A continuation of ELEG 4303 Control Systems. Topic include: frequency response design, state space analysis, controllability, observability, state space design, robustness and introduction to digital control.

Note: May not be taken for graduate credit after completion of ELEG 4313.

ELEG 5993: Special Problems in Engineering I

Prerequisites: Permission of instructor

An individual or group study in an advanced area of engineering under the direction of a faculty member. May be taught in conjunction with an associated ELEG 4993 section with the same topic.

Note: May not be taken for credit after gaining credit for a 4993 section with the same topic.

Note: May be repeated for credit if course content varies.

ELEG 6103: Power Electronics

Prerequisite: ELEG 4103 or permission of instructor.

The course will cover the following topics: Characteristics of thyristors, sequential switching, triggering and synchronizing circuitry. Conversion and control of electric power, design of electric power controller; rectifiers, converters, inverters, and cycloconverters, controlling techniques for DC and AC machines will be presented.

ELEG 6123: Advanced Semiconductors

Prerequisites: ELEG 3003 and ELEG 4103 or permission of the instructor

An in depth overview of coverage of semiconductor devices and materials. The course presents and examines semiconductor fundamentals required in the operational analysis of microelectronic devices.

ELEG 6133: Introduction to Nanoelectronics

This course is designed to give the graduate student an introduction to the engineering problems and concepts that are involved in electrical and electromechanical devices at the nanoscale. The course will cover the wave properties of matter, quantum mechanics, optical properties of materials, nanolithography, and various nanostructure devices such as field-effect transistors, light-emitting diodes and lasers and nanoelectromechanical devices.

ELEG 6143: Digital Image Processing

Prerequisites: ELEG 3133, ELEG 4113, and ELEG/MCEG 3003 or permission of the instructor

The course will cover the following topics: components of digital image processing systems, histograms, point processing, neighborhood processing, image restoration, image segmentation, 2-D discrete Fourier transform, image data compression, color image processing.

ELEG 6153: Statistical Signal Processing

Prerequisites: ELEG 4113 and ELEG/MCEG 3003 or permission of the instructor

The course will cover the following topics: minimum variance unbiased estimators, Cramer-Rao lower bound, maximum likelihood estimators, Least Squares, Kalman filter.

ELEG 6163: Biomedical Signal Processing

Prerequisites: ELEG 4113 or permission of the instructor

The study, analysis, and implementation of advanced method in signal processing applied to biomedical signals and systems. Engineers working in the biomedical field routinely design and build signal processing algorithms and devices to analysis biomedical signals for diagnostic analysis and prosthetic control. In order to appropriately design systems for biomedical signal processing it is necessary to have a basic understanding of the origin and characteristic of these signals. The course will focus on single dimensional deterministic and random signal processing.

ELEG 6303: Robotics

Prerequisites: ELEG 3133, ELEG 4303, ELEG/MCEG 3003 or permission of the instructor

The course will cover the following topics: robotics paradigms, path planning, motion planning, configuration space, potential functions, localization and mapping, sensors and actuators.

ELEG 6881: Special Topics in Engineering

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

ELEG 6882: Special Topics in Engineering

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

ELEG 6883: Special Topics in Engineering

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

ELEG 6884: Special Topics in Engineering

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

ELEG 6891: Independent Study

Prerequisites: Completion of 18 hours toward program requirements and approval of advisor

Students will complete an electrical engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to electrical engineering. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

ELEG 6892: Independent Study

Prerequisites: Completion of 18 hours toward program requirements and approval of advisor

Students will complete an electrical engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to electrical engineering. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

ELEG 6893: Independent Study

Prerequisites: Completion of 18 hours toward program requirements and approval of advisor

Students will complete an electrical engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to electrical engineering. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

ELEG 6894: Independent Study

Prerequisites: Completion of 18 hours toward program requirements and approval of advisor

Students will complete an electrical engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to electrical engineering. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

ELEG 6895: Independent Study

Prerequisites: Completion of 18 hours toward program requirements and approval of advisor

Students will complete an electrical engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to electrical engineering. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

ELEG 6896: Independent Study

Prerequisites: Completion of 18 hours toward program requirements and approval of advisor

Students will complete an electrical engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to electrical engineering. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

ELEG 6991: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

ELEG 6992: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

ELEG 6993: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

ELEG 6994: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

ELEG 6995: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

ELEG 6996: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

ELEMENTARY EDUCATION (ELED)

ELED 5333: Teaching Reading and Study Strategies in the Content Area

This course is designed to provide pre-service and in-service teachers and administrators with a knowledge of reading factors as they relate to various disciplines. Content of the course includes estimating students' reading ability, techniques for vocabulary, questioning strategies, and developing reading-related study skills.

ELED 6323: Survey of Teaching Reading

A broad overview of the major viewpoints about reading and current approaches to literacy instruction, with emphasis on its socio-psycholinguistic aspects.

ELED 6343: Literacy Assessment and Intervention

Prerequisite: ELED 6323 Survey of Teaching Reading.

A study of current practices in assessing literacy development and providing intervention in identified problems. Emphasis will be placed on interactive procedures to determine and facilitate the use of reading and writing processes.

ELED 6403: Literature for Children and Adolescents

An in-depth study of printed and other types of materials available for use in the elementary grades and middle school. Emphasizes the selection and use of materials to stimulate and improve learning.

ELED 6823: Introduction to Learning Disabilities

A study designed to teach a recognition of behavioral characteristics of children who have perceptual problems. This course also includes information about prescribed referral procedures and gives an overview of diagnostic, and prescriptive instruction.

ELED 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ELED 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ELED 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ELED 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ELED 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ELED 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ELED 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ELED 6991: Thesis Research

Directed research on a thesis topic. If the six-hour thesis (ELED 6996 Thesis Research) has not been completed during the semester(s) of enrollment, the student must register for ELED 6991 Thesis Research during subsequent semesters in which he/she is receiving faculty assistance with the thesis and/or using University library facilities.

ELED 6996: Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

EMERGENCY MGMT HOMELAND SECURI (EMHS)**EMHS 5003: Principles and Practice of Disaster Relief and Recovery**

Recovery issues are studied in regard to relationships with ethical, medical, economic and environmental considerations. Initial, short-term, and long-term recovery efforts are examined along with group exercises utilizing best practices.

Note: Students who have taken EAM 4003 cannot take EMHS 5003 Principles and Practice of Disaster Relief and Recovery for credit.

EMHS 5043: Disaster and Emergency Management Ethics

Involves a study of a variety of types of ethical theory (teleological, deontological, distributive theories of justice, natural law), review of specific ethical dilemmas related to disasters, professional ethics, overcoming biases, avoiding discrimination, and developing sensitivity. Detailed ethical case studies will be conducted.

Note: Students who have taken EAM 4043 cannot take EMHS 5043 Disaster and Emergency Management Ethics for credit.

EMHS 5053: Community Management of Hazardous Materials

Addresses chemical properties of hazardous materials and wastes; legal requirements for their handling, storage, transportation, and disposal; and methods for protecting employees, facilities, and the community.

Note: Students who have taken EAM 4053 cannot take EMHS 5053 Community Management of Hazardous Materials for credit.

EMHS 5093: Grants

This course will cover the federal grant funding streams used by emergency management at the local, state, and federal levels. Students will learn the strategy behind each grant funding stream, eligibility qualifications, development of grant budgets and justifications. Students will learn the basics of grant writing, budgeting, purchasing, filing for reimbursement, and requirements for audit. Each basic step will be broken down into a series of tasks assigned each week throughout the semester.

EMHS 5103: Critical Infrastructure

Examines the nation's critical infrastructure protection, risk management, and resilience from a policy perspective.

EMHS 5991: Special Problems and Topics

The topics will vary to reflect the dynamic changes in the emergency management discipline.

Note: Students who have taken EAM 4993 must have approval from the Department Head regarding the topic for credit in EMHS 5993 Special Problems and Topics.

Note: May be repeated for credit.

EMHS 5992: Special Problems and Topics

The topics will vary to reflect the dynamic changes in the emergency management discipline.

Note: Students who have taken EAM 4993 must have approval from the Department Head regarding the topic for credit in EMHS 5993 Special Problems and Topics.

Note: May be repeated for credit.

EMHS 5993: Special Problems and Topics

The topics will vary to reflect the dynamic changes in the emergency management discipline.

Note: Students who have taken EAM 4993 must have approval from the Department Head regarding the topic for credit in EMHS 5993 Special Problems and Topics.

Note: May be repeated for credit.

EMHS 6003: Design and Management of Preparedness and Mitigation Systems

Reviews the needs and concepts for well-structured design and management processes for preparedness and mitigation systems in both the public and private sectors utilizing best methods for implementation.

EMHS 6023: Risk and Vulnerability Assessment for Business and Industry

Prerequisites or Co-requisites: EMHS 6063 Principles of Emergency Management or consent of instructor.

Covers the hazards and threats that businesses and industry face regarding security, safety, and business continuity. The scope of threats and businesses studied range from local to international. Risk analysis, vulnerability, recovery, and business continuity plans will be examined.

EMHS 6033: Leadership and Management

Prerequisites: Consent of Graduate Program Director or Department Head.

This course is designed to provide the student with the basic principles and elements of leadership and management. Leadership theories and leadership development will be explored. Additionally, the impact of communication on leadership and management will be examined.

EMHS 6043: Contemporary Issues in Emergency Management

Emphasizes and analyzes the practical aspects of problems facing the emergency manager. Topics could include compliance issues with regard to Homeland Security, the National Incident Management System, the National Response Plan and other national initiatives.

EMHS 6053: Advanced Legal Issues in Emergency Management and Homeland Security

Prerequisites: EMHS 6133 Ethical, Legal, and Political Considerations in Emergency Management and Homeland Security or consent of Graduate Program Director or Department Head.

This course involves research, analysis, and discussion of laws that affect emergency management and homeland security. Emphasis will be placed on the legal obligations of the emergency management or homeland security professional.

EMHS 6063: Principles of Emergency Management

This course provides an overview of issues related to emergency management including the history of emergency management, key policy, natural and technical hazards, comprehensive emergency management, and current issues. It examines the role of public, private, and non-governmental organizations in emergency management, future direction of the field, and discusses several practical considerations for emergency managers pertaining to preparedness, response, recovery, and mitigation.

EMHS 6073: Terrorism and Counterterrorism

This course is designed to provide a critical introduction to the subject of terrorism. Students will explore various aspects of terrorism, including the history of terrorism and strategies of dealing with terrorism, leading to a basic understanding of a global phenomenon.

EMHS 6083: Business Continuity Project Management

Prerequisites: EMHS 6063 Principles of Emergency Management or consent of instructor

EMHS 6083 Business Continuity Project Management is open to Emergency Management graduate students only. The topics will vary to reflect the continual changes in the emergency management field. This course may also serve as an independent study course upon recommendation of the advisor and approval by the dean. Graduate students will be assigned additional readings and projects of concentration to demonstrate a broad understanding of the special problem or topic being investigated or studied.

EMHS 6093: Principles of Homeland Security

This course examines fundamental concepts of homeland security. Topics to be covered include: terrorism; extremism; homeland security agencies; interrelated duties, relationships, roles, and methods used by governmental agencies; individuals responding to agency issues; historical events; and state and national laws that impact the most critical threats.

EMHS 6103: Research Design and Methods

This course is designed to assist students in developing an understanding of the foundations of research including the principles that guide the research process, the elements of research design, how to read and analyze research articles, and how to write a literature review.

Note: May be repeated for credit.

EMHS 6123: Applied Data Analysis

Prerequisites: EMHS 6103 Research Design and Methods and EMHS 6933 Research I or consent of Graduate Program Director or Department Head.

This course is designed to further students' progress in the research sequences. The student is guided by a faculty member to conduct individual original research including data collection, analysis, interpretation, and reporting of the findings.

Note: May be repeated for credit.

EMHS 6133: Ethical, Legal, and Political Considerations in Emergency Management and Homeland Security

This course examines and applies ethical, legal, political, and social issues in Emergency Management and Homeland Security.

EMHS 6143: Social Vulnerability

This course reinforces understanding on social vulnerability and vulnerable population in relation to hazards and disasters. Students will analyze social, geographical, and cultural factors that put people differently at risk before, during, and after disasters. Students will explore how vulnerability influences the ability to mitigate to, prepare for, respond to and recover from hazards and disasters. Theories and concepts pertaining to social vulnerability are studied, along with social vulnerability and resilience measurement indices. This course also focuses on the interrelated relationship between disaster and development, and examines the importance of reducing liabilities and increasing capabilities to reduce vulnerability. The course emphasizes the importance of social and cultural considerations in emergency management activities to foster disaster resilience.

EMHS 6193: Introduction to International Emergency Management

This course provides students with the study of disaster trends and diverse emergency and disaster management systems and structures that exist throughout the world. Universal principles of global emergency management practice and advances worldwide will be considered. Lessons from disasters will be addressed and political challenges and cooperation between governments and non-governmental organizations (NGOs).

EMHS 6203: Crisis Communications

This course will cover both the theoretical and practical perspectives of crisis communications. Students will learn the importance of an organized approach to dealing with unexpected, crisis situations and the need for clear, concise information communicated effectively.

EMHS 6243: Intelligence in Emergency Management and Homeland Security

This course is an overview of the field of intelligence with an emphasis on understanding the basics of the field and how it is used in actual practice. In an ever-changing world it is critical to understand the basics of information gathering and how it is analyzed to produce actionable results. Students will explore governmental concerns, intelligence operations and the politics of dealing with information for defensive purposes.

EMHS 6253: Information Security for Public Managers

This course is an overview of information security management for a public department and agency. Students will explore governance, determine current state of security, and learn the concepts of IT-risk assessments, IT-risk mitigation, and incident responses in the realm of the public sector.

EMHS 6333: Epidemics and Pandemics

This course introduces students to the history of infectious diseases and their causative agents, emerging and reemerging diseases that lead to epidemics and pandemics, fundamental epidemiological principles, and surveillance and mitigation strategies. Factors such as urbanization, modern transportation systems, environment, and disrupted ecosystems contributing to the emergence of new infectious diseases and the spread of older diseases will be explored. This course will also examine societal responses to disease, public policy considerations, and the emerging threat of bioweapons.

EMHS 6413: Capstone

Prerequisite: EMHS 6103 Research Design and Methods and 6933.

This individualized course is designed to promote the integration of the core curriculum and practitioner experiences in the Master of Science degree program in Emergency Management and Homeland Security and to help prepare the student for transition to a professional position following completion of the degree.

Note: May be repeated for credit.

EMHS 6423: Professional Practical Experience and Project Development

Prerequisites: EMHS 6063 Principles of Emergency Management, EMHS 6093 Principles of Homeland Security, and EMHS 6103 Research Design and Methods or consent of Graduate Program Director or Department Head.

This course provides students the opportunity to participate in an approved professional experience in support of a practicum research project in the fields of emergency management and homeland security.

Note: May be repeated for credit for a maximum of six (6) hours.

EMHS 6513: Technology for Comprehensive Emergency Management

This course introduces emerging technologies with application to emergency management and homeland security.

EMHS 6543: Geographic Information Systems in Emergency Management and Homeland Security

This course emphasizes both the theoretical and practical aspects of database management, Geographic Information Systems (GIS) modeling and spatial analysis, and decision support systems in emergency management and homeland security. This course aims to integrate these advanced technologies into situational awareness fusion products.

EMHS 6563: Situational Awareness of Environmental Threats

This course provides an overview of basic threats levels as they relates to the emergency management profession. Students will examine; hazardous weather forecast verification and meanings, decisions making processes based on alert status, development of environmental threat teams, utilizations of technology to assess risk, and National Weather Service products. Student teams will participate in labs, table top scenarios, and exercises. Each graduate student will conduct a special (research) project for presentation to the class at the end of the semester.

EMHS 6891: Independent Study

Prerequisite: Permission of advisor who will direct the independent study.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

EMHS 6892: Independent Study

Prerequisite: Permission of advisor who will direct the independent study.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

EMHS 6893: Independent Study

Prerequisite: Permission of advisor who will direct the independent study.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

EMHS 6933: Research I

Prerequisite: EMHS 6103 Research Design and Methods or consent of Graduate Program Director or Department Head

This course will require students to produce a literature review regarding an approved topic related to emergency management/homeland security. The literature review will be developed into a research proposal or term paper. The topic and design is developed with the approval of a supervising professor.

Note: May be repeated for credit.

EMHS 6943: Master's Thesis

Prerequisites: EMHS 6103 Research Design and Methods, 6123, and EMHS 6933 Research I, or consent of instructor.

Students will submit their completed formal master's thesis and successfully complete their oral defense of their master's thesis.

Note: May be repeated for credit.

ENGLISH (ENGL)

ENGL 5023: Second Language Acquisition

An introduction to the major theories of language acquisition and their application to the instruction of English language learners.

Note: May not be taken for credit after completion of ENGL 4023 or TESL 5023 Second Language Acquisition.

Note: ENGL 5023 Second Language Acquisition may be used toward fulfilling the Arkansas ESL Endorsement.

ENGL 5083: Seminar: English Language

Course content will vary.

Note: May be taken for credit after completion of ENGL 4083 or ENGL 5083 Seminar: English Language if course content differs.

ENGL 5093: Seminar in Creative Writing

Opportunity for students to refine style and technique in a genre of creative writing.

Note: May be repeated for credit after completion of ENGL 4093 or ENGL 5093 Seminar in Creative Writing if course content varies.

ENGL 5103: Literary Theory

A study of contemporary critical approaches to literature.

Note: May not be taken for credit after completion of ENGL 4103.

ENGL 5173: Seminar in Film Studies

This course will examine debates within feminist film theory from structuralism and psychoanalysis in the 1970s to the post-colonial theory, queer theory and post-modernism in the 1990s. Analyses of specific films will focus on the cinematic representation of femininity and masculinity, gendered subjectivities within history and culture, and issues surrounding the cinematic apparatus and spectatorship.

Note: May be repeated for credit.

ENGL 5213: American Folklore

A study of the forms and subjects of American folklore; folklore scholarship and bibliography; field work in collecting folklore.

Note: May not be taken for credit after completion of ENGL 4213.

ENGL 5283: Seminar: World Literature

Course content will vary.

Note: May be taken for credit after completion of ENGL 4283 or ENGL 5283 Seminar: World Literature if course content differs.

ENGL 5383: Seminar: American Literature

Course content will vary.

Note: May be taken for credit after completion of ENGL 4383 or ENGL 5383 Seminar: American Literature if course content differs.

ENGL 5483: Seminar: British Literature

Course content will vary.

Note: May be taken for credit after completion of ENGL 4483 or ENGL 5483 Seminar: British Literature if course content differs.

ENGL 5683: Seminar in Gender Studies

Course content will vary.

Note: May be taken for credit after completion of ENGL 4683 or ENGL 5683 Seminar in Gender Studies if course content differs.

ENGL 5703: Teaching English as a Second Language

An introduction to the principles and methods in teaching English as a second Language.

Note: May not be taken for credit after completion of ENGL 4703 or TESL 5703 Teaching English as a Second Language.

Note: ENGL 5703 Teaching English as a Second Language may be used toward fulfilling the Arkansas ESL Endorsement.

ENGL 5713: ESL Assessment

An introduction to the tools and procedures for evaluating the language proficiency and development of English language learners.

Note: May not be taken for credit after completion of ENGL 4713 or TESL 5713 ESL Assessment.

Note: ENGL 5713 ESL Assessment may be used toward fulfilling the Arkansas ESL Endorsement.

ENGL 5723: Teaching People of Other Cultures

An introduction to the complex relationship of language and culture and its impact on teaching English language learners.

Note: May not be taken for credit after completion of ENGL 4723 or TESL 5723 Teaching People of Other Cultures.

Note: ENGL 5723 Teaching People of Other Cultures may be used toward fulfilling the Arkansas ESL Endorsement.

ENGL 6003: Introduction to English Graduate Study

An exploration of the ideas, methods and resources appropriate to the study of English language and literature.

Note: May not be taken for credit after completion of LA 6013 Introduction to the Liberal Arts.

ENGL 6013: Modern English Grammar and Usage

Cross-listed: TESL 6013 Modern English Grammar and Usage

Investigation of the structure of American English with an emphasis on practical and pedagogical applications.

Note: Cannot be taken for credit after completion of TESL 6013 Modern English Grammar and Usage.

ENGL 6023: Composition Theory and Practice.

A study of composition theory, practice, and pedagogy.

ENGL 6033: Rhetoric

A study of the history, theory, and application of rhetoric.

ENGL 6083: Seminar in Linguistics

Course content will vary.

Note: May be taken for credit after ENGL 6083 Seminar in Linguistics if course content varies.

ENGL 6213: Topics in Literature

Examination of various topics through the intensive study of selected literature.

Note: May be repeated for credit if course content varies.

ENGL 6283: Literature and Society

A contextual study of selected works designed to explore the ways in which literature reflects and shapes society.

Note: May be repeated if course contents varies.

ENGL 6813: Directed Readings

A study of literary works selected from the M.A. in English Examination Reading List.

Note: May be repeated for credit.

ENGL 6863: TESL Practicum

Prerequisites: ENGL 5703 Teaching English as a Second Language or TESL 5703 Teaching English as a Second Language and at least nine hours toward the MA TESOL degree or permission of the instructor.

ENGL 6893 Independent Study is a structured, advanced methods course, in which students will prepare and implement a series of English lessons, guided by the 12 national ENL (English as a New Language) standards.

ENGL 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

ENGL 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

ENGL 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

ENGL 6884: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

ENGL 6885: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

ENGL 6886: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

ENGL 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

ENGL 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

ENGL 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

ENGL 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

ENGL 6991: Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate College.

Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

ENGL 6992: Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate College.

Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

ENGL 6993: Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate College.

Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

ENGL 6994: Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate College.

Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

ENGL 6995: Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate College.

Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

ENGL 6996: Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate College.

Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

FINANCE (FIN)

FIN 6093: Special Topics in Finance

Course offers an in-depth exploration of selected financial issues affecting business. The primary focus of the course will vary from offering to offering; thus the course may be taken more than once. There is a required research project.

Note: Students are limited to a maximum of six (6) hours of special topics credit.

FIN 6103: Corporate Financial Management

This course emphasizes analytical tools and practical applications for responsible corporate management. Topics include: Goals of the firm, Business Ethics, Corporate Governance, Financial Statement Analysis, Forecasting, Debt and Equity Valuation, Capital Structure, Capital Budgeting, and International Managerial Finance.

\$35 per SSCH course fee.

FISHERIES WILDLIFE SCIENCE (FW)

FW 5003: Principles of Wildlife Management

Offered: Spring

Prerequisite: A course in ecology or permission of instructor.

Principles of managing wildlife resources with emphasis on population ecology, habitat evaluation and manipulation, wildlife values, and the administration of wildlife resources and resources agencies.

FW 5014: Forest Ecology and Management

Offered: Fall of odd years

Prerequisite: FW (BIOL) 3114.

An in-depth coverage of ecological interactions in forested ecosystems. Lectures cover biotic and abiotic factors that influence development and species compositions of forest stands. Wildlife habitat relationships in forested ecosystems will also be discussed. Laboratories will familiarize students with field techniques and management activities important in the major forest types of Arkansas.

Lecture two hours, laboratory four hours. \$40 laboratory fee.

FW 5024: Limnology

Offered: Spring

Prerequisite: A course in ecology.

A study of physical and chemical processes in fresh water and their effects on organisms in lakes and streams. Laboratory sessions and field trips demonstrate limnological instrumentation and methodology.

Lecture two hours, laboratory four hours. \$40 laboratory fee.

FW 5034: Advanced Geographic Information Systems Applications

Offered: Spring

Prerequisites: An introductory course in GIS or permission of instructor.

Use of GIS technology in wildlife and fisheries management and research. Emphasis placed on creation, maintenance, and analysis of spatially explicit data.

Lecture three hours, laboratory two hours. \$40 laboratory fee.

FW 5054: Waterfowl Ecology and Management

Prerequisites: BIOL/FW 3114 (Ecology) Ecology and management of North American waterfowl and their habitats.

Laboratory exercises will focus on identification, life histories, sex and age determination, and abundance survey methods. Lectures and discussions will cover behavioral ecology, reproductive ecology, winter ecology, harvest management, and habitat management and conservation.

\$40 laboratory fee.

FW 5064: Wetland Ecology and Management

Offered: Fall of even years

Prerequisites: A course in ecology or permission of instructor.

An in-depth coverage of wetlands including occurrence, morphology, hydrology, soils, ecology, and regulation. The types of wetlands and their functions are discussed, as are local, state and federal regulations pertaining to their use, management and protection. Laboratory focuses on identification of common wetland vegetation, delineation of wetland boundaries, as well as field techniques and management activities commonly used in Arkansas wetlands.

Lecture two hours, laboratory four hours. \$40 laboratory fee.

FW 5103: Human Dimensions of Fisheries and Wildlife Management

Offered: Fall

Prerequisites: BIOL/FW 3114 or permission of instructor.

Exploration of the complex interactions of social, political, institutional, economic and ecological processes that contribute to natural resource use and management. The primary focus is on interactions and conflict resolution among various stakeholders, resource management agencies, and wildlife and fisheries resources. Topics covered include public attitudes and expectations; agency structure and policy; values of fishes, wildlife; and public relations.

FW 5163: Biodiversity and Conservation Biology

Offered: Fall

Prerequisites: A course in ecology or permission of instructor.

The concepts of, processes that produce, and factors that threaten biological diversity are introduced and examined. Further emphasis is placed on unique problems associated with small population size, management of endangered species and practical applications of conservation biology.

FW 5881: Advanced Topics

Offered: On demand

Prerequisite: Consent of instructor.

This course offers special instruction on fisheries and wildlife topics that are not otherwise covered in the curriculum.

Note: The primary focus of the course will vary from offering to offering, thus the course may be taken more than once. This course may be repeated for credit if content is different.

FW 5882: Advanced Topics

Offered: On demand

Prerequisite: Consent of instructor.

This course offers special instruction on fisheries and wildlife topics that are not otherwise covered in the curriculum.

Note: The primary focus of the course will vary from offering to offering, thus the course may be taken more than once. This course may be repeated for credit if content is different.

FW 5883: Advanced Topics

Offered: On demand

Prerequisite: Consent of instructor.

This course offers special instruction on fisheries and wildlife topics that are not otherwise covered in the curriculum.

Note: The primary focus of the course will vary from offering to offering, thus the course may be taken more than once. This course may be repeated for credit if content is different.

FW 5884: Advanced Topics

Offered: On demand

Prerequisite: Consent of instructor.

This course offers special instruction on fisheries and wildlife topics that are not otherwise covered in the curriculum.

Note: The primary focus of the course will vary from offering to offering, thus the course may be taken more than once. This course may be repeated for credit if content is different.

FW 6001: Graduate Seminar in Fisheries and Wildlife Biology

Analysis of current and classical concepts in fisheries and wildlife biology.

Note: The primary focus of this course will vary from offering to offering, thus the course may be taken for credit more than once.

Note: May be repeated for credit.

FW 6002: Research Methods I

Offered: Spring

Prerequisites: A course in statistics.

Methods for literature review, experimental design, and thesis proposal development.

FW 6012: Research Methods II

Offered: Fall

Prerequisites: A course in statistics.

Methods for data analysis and thesis preparation.

FW 6013: Population Dynamics

Offered: Spring

Prerequisites: Courses in ecology, statistics, and calculus, or permission of instructor.

An in-depth analysis of major historical development in the theory, techniques of manipulating, and mathematical modeling of fish and wildlife populations.

FW 6023: Quantitative Fisheries Science

Prerequisites: A course in fisheries management or permission of instructor.

Quantitative principles of fisheries science used in the analysis and interpretation of fisheries data.

FW 6033: Conservation Management Practicum

Offered: Each summer term

Individual student experience in the field of conservation management. The course will include a 2-day on-campus introduction, weekly conferences via distance delivery during the 4-week off-campus experience, and 3 days of on-campus presentations. The practicum cannot be initiated until the student has completed at least 8 graduate-level hours.

FW 6043: Conservation Research Practicum

Offered: Each summer term

Prerequisites: Completion of 8 graduate-level hours

Individual student experience in the field of conservation research. The course will include a 2-day on-campus introduction, weekly conferences via distance delivery during the 4-week off-campus experience, and 3 days of on-campus presentations. The practicum cannot be initiated until the student has completed at least 8 graduate-level hours.

FW 6101: Comprehensive Exam

Prerequisites: Completion of 24 graduate-level hours

Written and oral comprehensive exam that evaluates student knowledge of fisheries and wildlife science and conservation management. The exam is administered after completion of 24 graduate-level hours.

FW 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge that complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

FW 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge that complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

FW 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge that complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

FW 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge that complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

FW 6991: Thesis Research

Research on a topic culminating in a written thesis.

Note: May be repeated for credit.

FW 6992: Thesis Research

Research on a topic culminating in a written thesis.

Note: May be repeated for credit.

FW 6993: Thesis Research

Research on a topic culminating in a written thesis.

Note: May be repeated for credit.

FW 6994: Thesis Research

Research on a topic culminating in a written thesis.

Note: May be repeated for credit.

FW 6995: Thesis Research

Research on a topic culminating in a written thesis.

Note: May be repeated for credit.

FW 6996: Thesis Research

Research on a topic culminating in a written thesis.

Note: May be repeated for credit.

FRENCH (FR)

FR 6801: Cultural Immersion and Research

Prerequisite: Enrollment in French Immersion Weekend and permission of instructor.

Intensive study of French cultural topics followed by individual research projects.

Note: May be repeated for credit if content varies.

GEOGRAPHY (GEOG)

GEOG 6893: Independent Study

Prerequisite: Permission of the instructor or Department Head.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

GEOLOGY (GEOL)

GEOL 6881: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GEOL 6882: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GEOL 6883: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GEOL 6884: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

HEALTH INFORMATICS (HI)

HI 5092: Research in HIM

This course teaches the skills needed to systematically investigate subjects to expand knowledge and generate new ideas. A study of the specific research methodology used in a health information management setting will be explored. Emphasis will be given to hands-on performance of research in conjunction with area health care facilities and agencies. Formal presentation of research will also be a component of the course.

\$40 course fee.

HI 6053: Emerging Trends in Health Information Technology

Trends in the health information technology will be identified and discussed. Industry-changing trends will be emphasized as well as regulatory initiatives associated with the changes. The purpose of this course is to provide the student with an awareness of current changes within the field of health information technology, as well as how to keep up with changes as they occur.

\$60 course fee.

HI 6063: Leadership in Health Informatics

A study of the leadership skills as applied to an electronic health (e-health) environment. Topics such as the development of strategy, change management, and project management in the context of health informatics will be explored.

HI 6073: Security and Privacy in Health Informatics

An exploration of legal issues as they relate to the collection, storage, retention and sharing of health data and information. Privacy and security will be discussed, from the standpoint of health care entities as well as from the consumer point of view.

\$60 course fee.

HI 6083: Health Care Policy

This course investigates the current state of health care, encompassing issues related to health care reform and payment systems. Issues explored include access to care, as well as cost and quality of care rendered. Specific issues in health care policy will be explored.

HI 6983: Research Project

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This research-based course will allow the student to work with the instructor to identify an appropriate project to be completed at the end of the MSHI coursework. The project should incorporate principles learned in courses leading to this course.

Note: May be repeated for credit.

HI 6991: Thesis Research

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This course is designed for the student to coordinate with the course instructor to identify a thesis topic or high level project to be completed as a capstone experience. This course should be completed after all other MSHI coursework is completed and will provide the student with an opportunity to utilize the concepts learned in courses leading to this capstone course.

Note: May be repeated for credit.

HI 6992: Thesis Research

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This course is designed for the student to coordinate with the course instructor to identify a thesis topic or high level project to be completed as a capstone experience. This course should be completed after all other MSHI coursework is completed and will provide the student with an opportunity to utilize the concepts learned in courses leading to this capstone course.

Note: May be repeated for credit.

HI 6993: Thesis Research

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This course is designed for the student to coordinate with the course instructor to identify a thesis topic or high level project to be completed as a capstone experience. This course should be completed after all other MSHI coursework is completed and will provide the student with an opportunity to utilize the concepts learned in courses leading to this capstone course.

Note: May be repeated for credit.

\$60 course fee.

HI 6994: Thesis Research

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This course is designed for the student to coordinate with the course instructor to identify a thesis topic or high level project to be completed as a capstone experience. This course should be completed after all other MSHI coursework is completed and will provide the student with an opportunity to utilize the concepts learned in courses leading to this capstone course.

Note: May be repeated for credit.

HI 6995: Thesis Research

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This course is designed for the student to coordinate with the course instructor to identify a thesis topic or high level project to be completed as a capstone experience. This course should be completed after all other MSHI coursework is completed and will provide the student with an opportunity to utilize the concepts learned in courses leading to this capstone course.

Note: May be repeated for credit.

HI 6996: Thesis Research

The purpose of this course is to have the student apply knowledge of research methods to an area of the student's interest. This course is designed for the student to coordinate with the course instructor to identify a thesis topic or high level project to be completed as a capstone experience. This course should be completed after all other MSHI coursework is completed and will provide the student with an opportunity to utilize the concepts learned in courses leading to this capstone course.

Note: May be repeated for credit.

HISTORY (HIST)

HIST 5023: Vietnam War

Prerequisite: Permission of the instructor or Department Head.

A study of the American involvement in Vietnam from 1945 to 1975. Emphasis will rest on the actual period of war in Vietnam.

Note: May not be taken for credit after completion of HIST 4023 or equivalent.

HIST 5123: African American History

Prerequisites: HIST 2003 or HIST 2013.

This course examines the unique role and contribution of African Americans in the overall development of American history from the colonial era to the present. Topics include African societies; black colonial life; the institution of slavery, and African American responses to slavery; the free black community; African American cultural, political, and economic development; issues of assimilation, separatism, and African American responses to institutional racism; the Civil Rights Movement, and recent developments.

Note: May not be taken for credit after completion of HIST 4123 or equivalent.

HIST 5153: History of Arkansas

Prerequisite: Permission of the instructor or Department Head.

A study of the history of the state from Indian times to the present, noting political, social, economic, and cultural trends.

Note: May not be taken for credit after completion of HIST 2153 or HIST 4153 or equivalent.

HIST 5183: American Legal History

This course concerns the history and development of law, legal institutions, and legal culture in the United States from its colonial origins to the present day, with emphasis on the interaction of law with the overall development of American society. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources.

Note: May not be taken for credit after completion of HIST 4183 or equivalent.

HIST 5203: Women in American History

Prerequisite: Permission of the instructor or Department Head.

A treatment of women in Western and American social history in their lifestyles and economic and family roles.

Note: May not be taken for credit after completion of HIST 3203 or HIST 4203 or equivalent.

HIST 5223: American Philosophy

Cross-listed: PHIL 5093 American Philosophy

Prerequisite: Permission of the instructor or Department Head.

An examination of the main currents of American philosophical and religious thought from the earliest times to the present.

HIST 5403: Interpretation/Education through Museum Methods

Cross-listed: ANTH 5403 Interpretation/Education through Museum Methods, MUSM 5403 Interpretation/Education through Museum Methods

Prerequisite: Permission of the instructor or Department Head.

Museum perspectives and approaches to care and interpretation of cultural resources, including, interpretive techniques of exhibit and education outreach materials, and integrating museum interpretation/ education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

Note: May not be taken for credit after completion of HIST 4403, ANTH 4403, or MUSM 4403.

HIST 5503: History of Christianity

A study of Christianity, from its beginnings to the present day, focusing especially on ancient Mediterranean, medieval European, and modern American Christian traditions. Emphasis will be on the interaction between individual beliefs, group identity, and institutional forces, how each have been shaped

by broader social, political and cultural contexts, and finally how these interactions have resulted in profound changes for the Christian religion. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Note: May not be taken for credit after completion of HIST 4503 or equivalent.

HIST 5983: Social Science Seminar

Prerequisite: Permission of the instructor or Department Head.

A directed seminar in an area of social sciences. The specific focus will depend upon research under way, community of student need, and the unique educational opportunity available. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources.

Note: Students are limited to a maximum of three (3) hours credit at the graduate level. Subtitle will appear on students' transcripts.

HIST 6003: Introduction to Graduate Study of History

Prerequisite: Permission of the instructor or Department Head.

General methods of and approaches to historical research and writing, including an introduction to historiography. Students will become familiar with basic tools of historical research and professional discipline. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources.

HIST 6013: Research Seminar in United States History

Prerequisite: Permission of the instructor or Department Head.

An investigation of selected topics in American history. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester.

Note: Course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6033: Readings in United States History

Prerequisite: Permission of the instructor or Department Head.

A readings course in selected topics in American history. Course acquaints students with primary and/or secondary interpretations of the historical period addressed during the semester. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester.

Note: Course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6053: Historiography

Prerequisite: Permission of the instructor or Department Head.

Seminar in the analysis of works of important historians from ancient time to the present, with consideration of schools, theories, philosophies, and functions of history. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work.

HIST 6403: Applied Public History

Prerequisite: HIST/ANTH/RP/MUSM 5403 Interpretation/Education through Museum Methods or permission of the department head.

Directed utilization of archives and museums, historical editing and publishing, documentary editing, family and community history, material culture, and historic site interpretation, preservation, and management. Areas of emphasis varies by semester.

Note: The course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6413: Research Seminar in Modern European History

Prerequisite: Permission of the instructor or Department Head.

An investigation of selected topics in modern European history. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester.

Note: The course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6433: Readings in Modern European History

Prerequisite: Permission of the instructor or Department Head.

A readings course in selected topics in modern European history. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester.

Note: The course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6533: Research Seminar in World History

Prerequisite: Permission of the instructor or Department Head.

An investigation of selected topics in world history. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester.

Note: The course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6543: Readings in World History

Prerequisite: Permission of the instructor or Department Head.

A readings course in selected topics in world history. Course acquaints students with primary and/or secondary interpretations of the historical period addressed during the semester. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester.

Note: The course may be repeated for a maximum of six (6) hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6883: Workshop

Prerequisite: Permission of the instructor or Department Head.

Course which allows flexibility of topic, structure, and credit hours to enable faculty to design content according to program needs. Open to graduate students who wish to pursue in-depth advanced projects. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. The workshop will require the equivalency of fifteen clock hours per credit hour.

Note: Students are limited to a maximum of three (3) hours of workshop credit.

HIST 6891: Independent Study

Prerequisite: Permission of the instructor or Department Head.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the graduate History program. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. Students are limited to a maximum of six (6) hours of independent study credit.

HIST 6892: Independent Study

Prerequisite: Permission of the instructor or Department Head.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the graduate History program. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. Students are limited to a maximum of six (6) hours of independent study credit.

HIST 6893: Independent Study

Prerequisite: Permission of the instructor or Department Head.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the graduate History program. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. Students are limited to a maximum of six (6) hours of independent study credit.

HIST 6894: Independent Study

Prerequisite: Permission of the instructor or Department Head.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the graduate History program. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. Students are limited to a maximum of six (6) hours of independent study credit.

HIST 6991: Thesis Research

Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

HIST 6992: Thesis Research

Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

HIST 6993: Thesis Research

Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

HIST 6994: Thesis Research

Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

HIST 6995: Thesis Research

Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

HIST 6996: Thesis Research

Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

HUMANITIES (HUM)**HUM 5433: Seminar in Humanities**

Prerequisite: Permission of the instructor or Department Head

A directed seminar in the Humanities. The specific content will depend on research under way, community or student need, and the unique educational opportunity available.

Note: May be repeated for credit if course content changes.

INFORMATION TECHNOLOGY (INFT)**INFT 5053: Information Systems Resource Management**

A study of the principles and concepts involved in the management of information resources including hardware, software and personnel. Includes coverage of departmental functions within computer/ information services as well as legal, ethical, and professional issues, quality management, and strategic impact of information system.

INFT 5103: Software Development

An introduction to programming using a high-level language, such as C#, Java, or Python, with topics ranging from coding basics through advanced concepts. Students will experience designing, implementing, testing, and debugging large programs/medium-scale software.

INFT 5203: Database Systems

Prerequisite: INFT 5103 Software Development, or two semesters of undergraduate programming

An introduction to database systems where students will gain a thorough understanding of database software package development for microcomputer applications. Topics include how to design, implement, and access a personal database. Entity relationship diagrams are emphasized in design. The use of macros, data conversion operations, linking, and complex selection operations are used in implementation.

INFT 5303: Developing and Administering Web Sites

An introduction to developing and administering websites. Topics include the world wide web, web browsers, and web servers. Students will develop web pages using HTML/CSS while also addressing security, screening, and privacy issues.

INFT 5403: Introduction to Information Technology and Systems

Introduction to the infrastructure of information technology and systems. Topics include computer hardware and software, communication and networks, databases, e-commerce technology, design and development of information systems, information security, privacy, ethics, and social impact.

INFT 5413: Computer Systems and Architecture

A study of the fundamentals of system software and computer architecture. The course includes an introduction to the basic foundation of processor operation, memory hierarchy, bus and I/O systems along with their interactions. RISC and CISC instructions sets, fundamental networking terminology and implementation strategies, and an introduction to basic digital logic design.

INFT 5503: The UNIX Operating System

An introduction to the UNIX operating system. Topics to be covered will include the history and philosophy of UNIX systems, an introduction to basic elements of UNIX, the "shell" command interface, utilities for managing files, and an introduction to the functions that administrators perform to maintain or re-establish the reliability of UNIX systems and the tools that UNIX provides to support that activity.

INFT 5603: Principles of Data Science

Introduction to data science, data preprocessing and exploratory analysis, data visualization, mathematical foundations for data science (mathematics/calculus, linear algebra, probability, and statistics), Python programming language, data science frameworks and ecosystems, linear and nonlinear regression, unsupervised learning, clustering methods, dimensionality reduction, supervised learning, classification methods, ensemble methods and association analysis, neural networks, introduction to deep learning, big data and Hadoop ecosystem, anomaly/outlier detection, ethics in data science.

INFT 5700: Principles of Networking Lab

Co-requisite: INFT 5703 Principles of Networking.

Students will complete network lab exercises in support of INFT 5703 Principles of Networking.

INFT 5703: Principles of Networking

An introduction to the concepts of computer data communication networks. Topics include an introduction to network topologies, routing, protocols, infrastructure, security, and troubleshooting tools.

INFT 5803: Principles of Cybersecurity

An introduction to the principles of cybersecurity where students will help learn how to protect networks, devices, and data from unauthorized access and ensure confidentiality, integrity, availability, and authentication of information. This course introduces the fundamental principles of cybersecurity. Those topics include risk management, network security, end users training and awareness, incident management, data privacy and security, and malware prevention. A balance between theory and current practices will be discussed.

INFT 5981: Special Topics

A treatment of subjects not routinely covered in other courses. Subjects will vary.
Note: May be repeated for a maximum of nine (9) hours.

INFT 5982: Special Topics

A treatment of subjects not routinely covered in other courses. Subjects will vary.
Note: May be repeated for a maximum of nine (9) hours.

INFT 5983: Special Topics

A treatment of subjects not routinely covered in other courses. Subjects will vary.
Note: May be repeated for a maximum of nine (9) hours.

INFT 6013: Decision Support Systems

This course enables students to acquire a broad understanding of management information systems and their components and the use of data and analysis models to aid the process of making decisions.

INFT 6103: Visual Programming

Prerequisite: INFT 5103 Software Development

An advanced programming course where students will learn event-driven programming concepts using high-level programming languages such as Python, C# or Java. Emphasis is placed upon creating structured programs implementing object-orientated concepts to solve problems. Topics include problem-solving, algorithm design, control structures, input/output, and data manipulation from multiple sources.

INFT 6203: Database Development and Administration

Prerequisites: INFT 5203 Database Systems.

Advanced training in database development and administration where students will receive a thorough introduction to accessing and maintaining a database via programming interface. Topics include database administration features of SQL and the installation and tuning of a database.

INFT 6303: Design of Web-Based Information Systems

Prerequisites: INFT 5303 Developing and Administering Web Sites.

An advanced course in web development using modern scripting languages such as JavaScript.

INFT 6403: Information Systems Analysis and Design

An advanced course exploring topics within information systems and design. Topics include the various concepts, tools, principles, procedures, techniques, and stages of information systems development. Emphasis is placed on the systems approach to problem-solving, user involvement, the management of quality, project control, and teamwork. Other subjects will include feasibility study, requirements definition, documentation, system development life cycle, prototyping, and data modeling.

INFT 6603: Advanced Data Science and Machine Learning

Prerequisite: INFT 5603 Principles of Data Science

This course is a continuation of the INFT 5603 Principles of Data Science course where students will be introduced to advanced topics in this important area of IT. Topics covered in this course will vary due to the ever-changing nature of technology. In general, students will be exposed to information theoretic learning, review of numerical analysis/computation and optimization theory for data science, reinforcement learning, classification methods, recurrent neural networks, clustering methods, feature selection, computer vision for machine learning, deep learning, recommender systems, convergence analysis of dynamical neural networks, explainable artificial intelligence (XAI), quantum machine learning, neuromorphic computing and spiking neural networks, nature inspired algorithms, graph neural networks, developing advanced applications for data science (in computer vision, text mining, natural language processing (NLP), cybersecurity, healthcare/medical, bioinformatics, finance, social media, sentiment analysis, etc.)

INFT 6700: Advanced Networks Lab

Co-requisite: INFT 6703 Advanced Networks.

Students will complete network lab exercises in support of INFT 6703 Advanced Networks.

INFT 6703: Advanced Networks

Prerequisites: INFT 5703 Principles of Networking.

An advanced course in implementing and managing numerous heterogeneous networking operating system environments. Networking tools necessary for developing a seamless heterogeneous networking environment are discussed and applied.

INFT 6803: Advanced Cybersecurity

Prerequisite: INFT 5803 Principles of Cybersecurity

An advanced course in cybersecurity covering a wide range of concepts. Topics include web and network basics, cryptography, hacking, packet analysis, and pen testing. Additional topics include social engineering, cyber countermeasures, incident response and mitigation, digital forensics, counter surveillance, security the IoT, and AI in cybersecurity are also discussed.

INFT 6903: Emerging Trends

Prerequisite: Permission of the coordinator.

Study of emerging trends in information technology. Analyzing and reporting on these trends.

Note: May be repeated for a maximum of twelve (12) hours if topic varies.

INFT 6973: Thesis Research in Information Technology I

Prerequisite: Approval of a thesis plan by the thesis committee or the head of the department.

Formal presentation of directed research on a thesis topic selected by the student in consultation with a supervising professor. Prior to the final defense of a written thesis, students will be required to present their research study in a seminar to faculty, staff, and other students.

Note: This course must be continued by taking INFT 6983 Thesis Research in Information Technology II in a later semester to complete the entire six (6) hour thesis research.

INFT 6983: Thesis Research in Information Technology II

Prerequisite: INFT 6973 Thesis Research in Information Technology I.

A continuation of the six-hour thesis research. Students may not enroll in this course with INFT 6991 Internship-3 in the same semester. In this course the degree candidate must submit his/her thesis to the thesis committee by the date established by the thesis committee. A final oral defense conducted by the thesis committee must be passed at least three weeks before the degree is conferred.

INFT 6991: Internship

Prerequisite: Approval of a project proposal by the MSIT Graduate Committee or the Instructor.

A supervised, practical experience providing graduate information technology majors with hands-on professional experience in a position relating to an area of career interests. The student will work with an advisor to have a site approved by the graduate program director prior to course enrollment. During the internship, the student will submit regular reports regarding their internship experience, as well as an internship summary report at the end of the term.

Note: This course can be repeated up to six (6) total credit hours in different semesters.

INFT 6992: Internship

Prerequisite: Approval of a project proposal by the MSIT Graduate Committee or the Instructor.

A supervised, practical experience providing graduate information technology majors with hands-on professional experience in a position relating to an area of career interests. The student will work with an advisor to have a site approved by the graduate program director prior to course enrollment. During the internship, the student will submit regular reports regarding their internship experience, as well as an internship summary report at the end of the term.

Note: This course can be repeated up to six (6) total credit hours in different semesters.

INFT 6993: Internship

Prerequisite: Approval of a project proposal by the MSIT Graduate Committee or the Instructor.

A supervised, practical experience providing graduate information technology majors with hands-on professional experience in a position relating to an area of career interests. The student will work with an advisor to have a site approved by the graduate program director prior to course enrollment. During the internship, the student will submit regular reports regarding their internship experience, as well as an internship summary report at the end of the term.

Note: This course can be repeated up to six (6) total credit hours in different semesters.

JOURNALISM (JOUR)**JOUR 5023: Social Media**

This course offers students a solid understanding of social media, its roots, and how to effectively utilize this culture from personal and corporate perspectives.

JOUR 5033: Community Journalism

A course to acquaint the student with the characteristics of journalism as practiced in small towns and cities and study the relationship of the news media to the other institutions of the town or city.

JOUR 5043: Journalism Ethics

A study of ethical theory and basic principles needed in solving ethical challenges facing media professionals.

JOUR 5053: Mass Communication Seminar

Prerequisite: Permission of instructor.

Studies of the relationship of mass communication to social, political, technical, and economic issues. Course content will vary.

Note: May be repeated for credit as JOUR 5053 Mass Communication Seminar when course content changes.

JOUR 5073: Graphic Communication

Presents the elements of effective print design as well as the other decision making processes involved with creating an effective visual communication (type, art and illustration, basic design principles, paper and ink, printing processes, etc.). Students will create visually appealing projects using the industry standard design and photo manipulation software programs.

JOUR 5083: Internet Communication

A study of communication processes in the Digital Age. Discussions and content will include contemporary emerging communication technologies and exploration into the impact those technologies have and will likely have on an individual and diverse social communities.

JOUR 5113: History of American Journalism

Prerequisite: Permission of instructor.

A survey of the history of American journalism and mass media and their relationships to technical, economic, political, and other aspects of American society.

Note: May not be taken for credit after completion of JOUR 4113 or equivalent.

JOUR 5123: Laws of Communication

This course will familiarize the student with legal knowledge necessary for a communication specialist or working journalist. The course will attempt to identify case and statute law. It will also include in-depth research in particular legal matters.

Note: May not be taken for credit after completion of JOUR 4123, or equivalent.

JOUR 5163: Advanced Photography

Prerequisite: JOUR (ART) 1163 or consent of instructor.

An introduction to advanced photographic techniques including digital photography. Various historic and current theories of visual communication provide a substantive base for the application of techniques.

JOUR 5193: Communication Research Methods

Introduction to the methodologies of behavioral science applied to communication research including design measurement, data collection, and analysis. Explores the use of surveys, content analysis, focus groups, and experiments in studies of communication processes and effects. Students will complete a research project.

JOUR 5243: Journalism Writing Seminar

This course is designed to teach the fundamentals of news writing and fact-gathering for the mass media in a concentrated format. Emphasis will be on newspaper writing style, but the fundamentals will apply to broadcasting, news media, public relations, advertising, and other fields.

JOUR 6013: Visual Storytelling

Visual Storytelling covers the fundamentals of enhanced story development using mobile media platforms for journalistic publication.

JOUR 6023: Video Production for New Media

Prerequisites: JOUR 6013 Visual Storytelling.

This course focuses on the art and science of documentary film making, specifically geared toward publication to new media audiences.

JOUR 6053: Media Effects

Incorporates mass communication theory as well as the global nature of media operations while focusing on the relationship between mass media and society. Students will examine contemporary issues that confront media professionals together with the social responsibilities and ethical questions that attend such issues. The political, social, and governmental influences on media policies and practices will also be emphasized in addition to the effects of media on society and culture.

JOUR 6133: Multi-Media Publishing

Advanced Photography and Video. Focuses on designing communication messages on the computer that combine several media and are interactive. Using the same software tools that are used in the multi-media industry, students learn to conceptualize, design, prepare, and program works for publication on CD-ROM and/or the WEB. Projects incorporate photographs, music, sound, video, and extensive user interactivity. Work in the course attempts to parallel product development in the real world multi-media industry.

JOUR 6193: Journalistic Writing for Multi-Media

Introduction to writing for multi-media. Course explores the advantages, audiences, and various technologies before studying the formats and language appropriate for each medium. Students develop their writing skills through analysis and practice.

JOUR 6331: Professional Portfolio

Students will create a portfolio of acquired work as well as develop a journalistic story told through multiple media platforms. The portfolio must meet industry standards and demonstrate a mastery of technical skill based in theoretical conventions of new media.

Note: May be repeated for credit.

JOUR 6332: Professional Portfolio

Students will create a portfolio of acquired work as well as develop a journalistic story told through multiple media platforms. The portfolio must meet industry standards and demonstrate a mastery of technical skill based in theoretical conventions of new media.

Note: May be repeated for credit.

JOUR 6333: Professional Portfolio

Students will create a portfolio of acquired work as well as develop a journalistic story told through multiple media platforms. The portfolio must meet industry standards and demonstrate a mastery of technical skill based in theoretical conventions of new media.

Note: May be repeated for credit.

JOUR 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

JOUR 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

JOUR 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

JOUR 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

JOUR 6991: Project or Thesis Research Continuation

This course allows students additional time to research and compose their capstone project/portfolio.

Note: May be repeated for credit.

JOUR 6996: Professional Project

Projects should be original work that is a manifestation of the student's multi-media expertise and reflect both a mastery of content with respect to a given topic as well as the technological skill to present the same in a multi-media format. All completed projects must include a written review of the literature and other materials relevant to the project. It is anticipated the review will be substantive and comprehensive, and clearly indicate how the project builds on intellectual and journalistic traditions.

Note: May be repeated for credit.

LIBERAL ARTS (LA)**LA 6013: Introduction to the Liberal Arts**

A study of the ideas, methods, and resources appropriate to the disciplines in the liberal arts.

LA 6711: Liberal Arts Project

Completion of creative or research project. Grade received for successful completion of project is credit (CR).

LA 6712: Liberal Arts Project

Completion of creative or research project. Grade received for successful completion of project is credit (CR).

LA 6713: Liberal Arts Project

Completion of creative or research project. Grade received for successful completion of project is credit (CR).

LIBRARY MEDIA (LBMD)

LBMD 6003: Collection Development and Management

A study of the selection, evaluation, organization, and purchasing of instructional materials for the school library media center. The course includes a review of selection tools for identifying materials, determining suitability for specific grade levels, and establishing purchasing and teacher review procedures.

LBMD 6013: Reference Materials in the School Library Media Center

Study of the techniques of reference work, reference interviews, types of reference questions, selection of reference materials (print and non-print), and practice in their use with special emphasis on school library media centers. Networking for the purpose of sharing resources will receive emphasis in the course. Students will be required to do hands-on machine reference searches in addition to a research project.

LBMD 6023: Classification and Cataloging

Prerequisite: Nine (9) hours of graduate study or permission of instructor.

A study of the principles and competencies of cataloging and classification. Attention centered on the actual classification and cataloging of school library media center materials. Students will be required to do hands-on machine cataloging.

LBMD 6033: The Instructional Role of the Library Media Specialist

A course for the prospective school library media specialist focusing on the instructional role of the school library media specialist. Students will develop curriculum based upon the national and state standards for library media specialist.

LBMD 6043: Preservation of Instructional Materials

The tools and skills for preservation of materials used in education today will be emphasized. Preservation of printed, audio, video, and digital materials are just some of the techniques of study.

LBMD 6403: Literature for Children and Young Adults

An in-depth study of printed and other types of materials available for use in the elementary grades and middle school. Emphasizes the selection and use of materials to stimulate and improve learning.

LBMD 6503: School Librarian: Leadership and Collaboration

This course focuses on the role of the school librarian as an educational leader and instructional partner. Students will explore professional dispositions, promotional efforts, collaborative partnerships, and advocacy aspects of the school librarian's critical leadership role in the learning community.

MANAGEMENT (MGMT)

MGMT 5203: Project Management

Prerequisites: Graduate standing, BUAD 2053 or higher-level math course, BUAD 2003 or COMS 2003 or higher level microcomputer applications course, or permission of the instructor.

This course explores the techniques of organizing the main elements of project management: people, cost, schedule, and scope. The course emphasis is aimed toward a practical understanding of Project Management for future business leaders and engineers. Students will learn to utilize information technology that aids in the visualization and documentation of the project planning and management process.

Note: May not be taken for credit after MGMT 4203.

MGMT 6093: Special Topics in Management

Course offers an in-depth exploration of selected management issues affecting business. The primary focus of the course will vary from offering to offering; thus the course may be taken more than once. There is a required research project.

Note: Students are limited to a maximum of six (6) hours of special topics credit.

MGMT 6103: Organizational Management and Leadership

This course is a study of the human behaviors and leadership issues which affect the day-to-day operations of the modern organization, organizational decision making and teamwork.

\$35 per SSCH course fee.

MGMT 6203: Decision Modeling in Supply Chain Management

All firms have to deal with supply chain challenges such as configuration and operations of supply chain, inventory positions across the supply chain, allocation of resources to minimize cost and maximize revenue. These challenges represent the complexity of processes within a supply chain, which complicates the decision making for the decision makers. This course focuses on utilizing data driven decision making in complex supply chain processes. Students will use various analytical tools such as linear programming models, shortest-path models, nonlinear programming models, decision trees, forecasting models, and Monte Carlo simulation to solve supply chain challenges faced by firms in various industries.

\$35 per SSCH course fee.

MGMT 6903: Corporate Strategic Management

Prerequisite: Completion of 18 hours toward program requirements.

As the capstone course in the MBA, this course examines the application of strategic management processes, including top management's role in situational analysis, strategy selection, strategy implementation, and strategic control, under conditions of uncertainty. There are required cases as well as a dynamic simulation and a final recorded professional presentation.

\$35 per SSCH course fee.

MARKETING (MKT)**MKT 6093: Special Topics in Marketing**

Course offers an in-depth exploration of selected marketing issues affecting business. The primary focus of the course will vary from offering to offering; thus the course may be taken more than once. There is a required research project.

Note: Students are limited to a maximum of six (6) hours of special topics credit.

MKT 6103: Digital Marketing Strategy

This course will cover the history and best practices associated with digital marketing. Additionally, it will address the types of organizations and setting that (can) benefit from digital commerce technologies and strategies in a cost-effective way. Finally, the course addresses how digital marketing and other advertising strategies must be part of a comprehensive marketing campaign.

\$35 per SSCH course fee.

MKT 6113: Strategic Social Media Marketing

This course examines the force of social media marketing and its place in the marketing process. The advantages and use of particular platforms will be explored, and the use of social media analytics to craft strategy will be examined.

\$35 per SSCH course fee.

MKT 6153: Consumer Insights

Business opportunities and decisions depend on an understanding of customers' values, needs, aspirations and behaviors. Even more important for a specific company is gaining unique insights into their customers so that they can develop products, services and brands that are differentiated from competition.

\$35 per SSCH course fee.

MKT 6323: Applied Predictive Analytics

Cross-listed: BDA 6323 Applied Predictive Analytics

Prerequisite: BUAD 2053, PSY/SOC 2053, STAT 2163, or STAT 2303 with a "C" or better.

This course will explore multivariate techniques to analyzing data (e.g. multivariate regression, discriminant analysis, logistic regression, market-basket analysis, forecasting and other analytic techniques). The focus of the course will be providing input for organizational strategic decision-making. As an applied analytics course, emphasis will be on application of predictive analytic techniques explored through conceptual, computational, procedural and computer applications.

\$35 per SSCH course fee.

MASTER ARTS EARLY CHILDHOOD (MAEC)**MAEC 6033: Principles of Child Development and Classroom Management**

This course is a study of the developmental stages, cognitive perceptions, and information processing of young children and classroom management techniques based on these characteristics for use in early childhood environments.

MAEC 6163: Instruction and Assessment for Diverse Learners

This course examines the aligning of instruction and assessment in academic subjects by planning, implementing, and using evaluation strategies designed to facilitate cognitive content for diverse learners. It also addresses professional and ethical issues regarding instruction, assessment, and evaluation of learners with emphasis upon the early childhood learner.

MAEC 6213: Early Childhood Curriculum for Young Children

This course examines curriculum development and analysis of early childhood educational settings. The course also requires that students apply the theories and principles to instructional planning, teaching, managing, and assessing students in the public school classroom.

MAEC 6323: Diagnostic Literacy Instruction and Interventions

A course designed to study current practices in assessing young children's reading and writing development for the purpose of diagnosing and planning instruction and interventions.

MAEC 6806: Internship

The internship will provide a direct, substantial, and full-day, experience for a minimum of 12 weeks with an early childhood emphasis. Types of embedded professional development include action research, peer coaching, networking, portfolio development, teaming, live case studies, curriculum

design, needs assessment, data collection, and data analysis. The placement of candidates in the field is a thoughtful process, considerate of a complexity of standards, policies, procedures, agreements, and partnerships with the public schools, rules, regulations, and budgetary constraints as well as the special needs, hardships in housing and transportation, and employment futures of teacher candidates.

MASTER ARTS MIDDLE SCHOOL (MAMS)

MAMS 5303: Middle School Philosophy and Organization

This course is a study of developmentally appropriate curriculum, instruction and pedagogy for teaching the middle level student that includes an understanding of the historical perspective of middle schools and their program. The course also addresses the unique developmental needs of the young adolescent.

MAMS 5333: Teaching Literacy in the Content Areas

This course is designed to examine the connections between literacy and learning across the curriculum, issues related to content literacy within the context of standards-based instruction, needs of struggling readers and writers, and development of culturally responsive instruction and assessments. Course includes creating literate environments, using research-based instructional practices, strategies, and technology to extend and enrich content knowledge.

MAMS 6063: Educational Assessment

This course is designed to provide the knowledge base for construction, selection, administration, and interpretation of formal, informal, and alternative forms of student assessment.

MAMS 6303: Models of Teaching

This course overviews a variety of research-based models of teaching and provides teachers with the knowledge and skills to apply these models in their classrooms. The course also requires that students apply the theories and principles to instructional planning, teaching, managing, and assessing students in the public school classroom. The course consists of classroom instruction.

MAMS 6806: Internship

The internship will provide a direct, substantial, and full-day, experience for a minimum of 12 weeks with a respective middle level or secondary emphasis (dependent upon program preparation). Types of embedded professional development include action research, peer coaching, networking, portfolio development, teaming, live case studies, curriculum design, needs assessment, data collection, and data analysis. The placement of candidates in the field is a thoughtful process, considerate of a complexity of standards, policies, procedures, agreements, and partnerships with the public schools, rules, regulations, and budgetary constraints as well as the special needs, hardships in housing and transportation, and employment futures of teacher candidates.

MASTER ARTS TEACHING (MAT)

MAT 5703: Technology for Teaching and Learning

This is a research-based course involving applications of media techniques to facilitate learning. Media presentations are planned and implemented using practical and theoretical considerations about learning characteristics, exceptionalities, and cultural differences. Various projection techniques as well as microcomputer application are utilized.

MAT 6003: Educational Research

Cross-listed: EDFD 6003 Educational Research

An introduction to educational research procedures, including formulation of research problems, research designs, data collections, and analysis of data.

MAT 6043: Principles and Theories of Learning

Cross-listed: EDFD 6043 Principles and Theories of Learning

This course introduces teacher candidates to educational psychology as a research oriented discipline and a science of practical application.

MAT 6053: The At-Risk Child in the School Environment

Cross-listed: EDFD 6053 The At-Risk Child in the School Environment

A seminar designed to investigate the characteristics of the at-risk student, the teaching strategies utilized to meet the needs of the at-risk student in the classroom, and the national and state laws concerning students with exceptionalities.

MAT 6403: Social, Historical, and Legal Factors in Education

Cross-listed: EDFD 6403 Social, Historical, and Legal Factors in Education

This course examines the study of education and various social groups, including the effects of various societies and educational systems. It also examines the legal factors that must be considered in the educational process.

MAT 6503: Classroom Behavioral Management

Cross-listed: EDFD 6503 Classroom Behavioral Management

A seminar to examine research for sources and types of models available for managing the classroom. Development of classroom management skills and systems by applying human development, learning, teaching, and communication principles. This class will review the research and professional literature on classroom management. It includes a practicum involving field experiences in the public school.

MATHEMATICS (MATH)

MATH 5103: Linear Algebra II

Prerequisite: MATH 4003 or consent of the department of mathematics.

A continuation of MATH 4003 with emphasis on abstract vector spaces, inner product spaces, linear transformations, kernel and range, and applications of linear algebra.

Note: MATH 5103 Linear Algebra II may not be taken for credit after completion of MATH 4103 or equivalent.

MATH 5153: Applied Statistics II

Prerequisite: MATH 3153.

This course is a continuation of Math 3153 with emphasis on experimental design, analysis of variance, and multiple regression analysis. Students will be required to design and carry out an experiment, use a current statistical software package to analyze the data, and make inferences based upon the analysis.

Note: Math 5153 may not be taken for credit after completion of Math 4153 or equivalent.

MATH 5173: Advanced Biostatistics

Prerequisite: An introductory statistics course or permission of instructor.

This course will include analysis of variance, one factor experiments, experimental design with two or more factors, linear and multiple regression analysis, and categorical data analysis.

MATH 5243: Differential Equations II

Prerequisites: MATH 3243 and MATH 4003 or consent of the instructor.

A continuation of MATH 3243 with emphasis on higher order and systems of differential equations.

MATH 5273: Complex Variables

Prerequisite: MATH 2943.

An introduction to complex variables. This course will emphasize the subject matter and skills needed for applications of complex variables in science, engineering, and mathematics. Topics will include complex numbers, analytic functions, elementary functions of a complex variable, mapping by elementary functions, integrals, series, residues and poles, and conformal mapping.

Note: May not be taken for credit after the completion of MATH 4273 or equivalent.

MATH 5343: Introduction to Partial Differential Equations

Prerequisites: MATH 2934 and MATH 3243.

This course is an introduction to partial differential equations with emphasis on applications to physical science and engineering. Analysis covers the equations of heat, wave, diffusion, Laplace, Dirichlet and Neumann equations. Course is suitable for senior level or first year graduate students in Mathematics, Physics, and Engineering.

MATH 6213: Methods in Teaching Middle School Mathematics

Prerequisite: Permission of instructor.

The course is an exploration of inductive teaching models, techniques, strategies, and research for teaching mathematics in the middle school. Emphasis will be placed on constructivist learning.

MATH 6323: Methods in Teaching Secondary Mathematics

Prerequisite: Permission of the instructor.

The course is a study of materials, methods, and strategies for teaching mathematics in the secondary school. Emphasis will be placed on activity-based learning.

MATH 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

MATH 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

MATH 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

MATH 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

MATH 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

MATH 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

MATH 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

MATH 6991: Project or Thesis Research Continuation

This course allows students additional time to research and compose their capstone project/portfolio.

MECHANICAL ENGINEERING (MCEG)

MCEG 5043: Physical Metallurgy

Prerequisites: MCEG 2023, MCEG 3013, and MCEG 3313.

This course provides the student with an in-depth background to the mechanisms and applications of dislocation motion, crystal plasticity, phase transformations and solidification processes. Common industrial and experimental processes are studied for both ferrous and non-ferrous materials.

Note: May not be taken for credit after completion of MCEG 4043.

MCEG 5053: Corrosion Principles

Prerequisites: MCEG 2023, MCEG 3313, CHEM 2124.

This course provides the student with an introductory study on the principles, mechanisms and chemistry of material corrosion. The study will extend to material failures linked to corrosion processes and effects of environment on corrosion potential and kinetics.

Note: May not be taken for credit after completion of MCEG 4053.

MCEG 5323: Power Plant Systems

Prerequisites: MCEG 3313, MCEG 4403.

A study of the design and operation of steam-electric power plant components and systems. Fossil and renewable energy plants are emphasized.

Note: May not be taken for credit after completion of MCEG 4323.

MCEG 5343: Internal Combustion Engines

Prerequisites: MCEG 3313, MCEG 4403.

A study of the operating and design principles of internal combustion engines. The course will cover combustion cycles, emissions and performance analysis and testing.

Note: May not be taken for credit after completion of MCEG 4343.

Lecture three (3) hours with lab exercises.

MCEG 5413: Finite Element Analysis

Prerequisites: ELEG 2103, MCEG (ELEG) 3003, and MCEG 3013.

Introduction to approximate methods using finite elements. Development of the finite element method using variational formulations. Applications include machine design, mechanical vibrations, heat transfer, fluid flow, and electromagnetics.

MCEG 5453: Energy Management

Prerequisites: MCEG 3313, MCEG 4403, MCEG 4443, or consent of instructor.

Energy management in commercial building and industrial plants. Utility rate structures. Sources of primary energy. Energy conversion devices. Prime movers of energy. Heat. Electricity. Lighting. HVAC Equipment. Building envelope. Electric motors. Estimating energy savings. Economic justification. Energy auditing.

MCEG 5463: Heating, Ventilating, and Air-Conditioning Design

Prerequisite: MCEG 3313.

A study of the principles of human thermal comfort including applied psychrometrics and air-conditioning processes. Fundamentals of analysis of heating and cooling loads and design of HVAC systems.

Note: May not be taken for graduate credit after completion of MCEG 4463.

MCEG 5473: Mechanical Vibrations

Offered: approximately, every other year

Prerequisites: MCEG 2033, MATH 3243.

The study of free and forced vibration of single degree-of-freedom systems, response to harmonic, periodic and non-periodic excitations. Multi degree-of-freedom systems and matrix methods are explored. Computational techniques for predicting system response of continuous systems are introduced.

Note: May not be taken for credit after completion of MCEG 4473.

MCEG 5503: Nuclear Power Plants I

Prerequisites: MCEG 3503, MCEG 4403.

A study of the various types of nuclear reactor plants including the methods used for energy conversion. Relative advantages/disadvantages of various plant types investigated.

Note: May not be taken for credit after completion of MCEG 4503.

MCEG 5993: Special Problems in Engineering I

Prerequisite: Permission of instructor

A individual or group study in an advanced area of engineering under the direction of a faculty advisor. May be taught in conjunction with an associated MCEG 4993 section.

Note: May not be taken for credit after gaining credit for a 4993 section with the same topic.

MCEG 6013: Continuum Mechanics

Offered: Once every two years

Prerequisites: Graduate admission and MCEG 3013 or equivalent

Development of field equations and generalized constitutive expressions for fluid and solid continua. Topics include: tensor analysis, kinematics, conservation of mass and momentum, and invariance and symmetry principles.

MCEG 6023: Elasticity

Offered: Once every two years

Prerequisites: MCEG 6013 Continuum Mechanics.

Analysis of stress and strain in two and three dimensions, equilibrium and compatibility equations, torsion of non-circular members, and variational methods.

MCEG 6323: Energy Systems

Prerequisites: MCEG 4433, MCEG 4403 or permission of instructor.

A study of various energy sources and the production of usable energy from them. Conventional and alternative energy sources are covered as well as economic environmental concerns.

MCEG 6443: Advanced Heat Transfer

Prerequisites or Co-requisites: MCEG 3313, 4403, 4443, or permission of instructor.

A study of the advanced principles of heat transfer: numerical methods in heat transfer, advanced boundary layer theory, advanced thermal radiation topics, and heat exchangers.

MCEG 6503: Reactor Physics

Prerequisites: PHYS 3213, MCEG 3503, MATH 5243 Differential Equations II.

A study of the fundamental physical principles in the operation and design of nuclear reactors. Includes neutron-nucleus interactions, neutron energy spectra and energy dependent cross sections, neutron transport and diffusion theory, multi-group approximations, criticality calculations, and reactor analysis and design methods.

MCEG 6513: Radiation Measurement

Prerequisites: MCEG 3503, MCEG 3512.

The study of radiation techniques and equipment used by scientists and engineers. Topics of interest will include techniques and equipment for detecting ionizing radiation below about 20 MeV, coincidence counting methods, and reactor laboratory experiments (as available).

Lecture two (2) hours, lab three (3) hours.

MCEG 6523: Nuclear Materials

Prerequisites: MCEG 2023 and MCEG 3503.

A study of the properties of materials utilized in nuclear reactors, shielding systems, and other systems exposed to radiation. Emphasis will be placed on understanding and mitigation the damage of such materials by neutron and gamma radiation.

MCEG 6533: Radiation Interactions and Shielding

Prerequisites: MCEG 3503, MCEG 3523.

Radiation Interactions and Shielding. Basic principles of radiation interactions, transport and shielding. Radiation sources, nuclear reactions, radiation transport, photon interactions, dosimetry, and shielding design will be covered.

MCEG 6881: Special Topics in Engineering

Prerequisite: Permission of instructor.

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

MCEG 6882: Special Topics in Engineering

Prerequisite: Permission of instructor.

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

MCEG 6883: Special Topics in Engineering

Prerequisite: Permission of instructor.

Special topics in engineering relating to current engineering topics not covered in other courses.

Note: May be repeated for credit if course content varies.

MCEG 6891: Independent Study

Prerequisites: Completion of 18 hours toward program requirements, approval of advisor.

Students will complete an engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

MCEG 6892: Independent Study

Prerequisites: Completion of 18 hours toward program requirements, approval of advisor.

Students will complete an engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

MCEG 6893: Independent Study

Prerequisites: Completion of 18 hours toward program requirements, approval of advisor.

Students will complete an engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

MCEG 6894: Independent Study

Prerequisites: Completion of 18 hours toward program requirements, approval of advisor.

Students will complete an engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

MCEG 6895: Independent Study

Prerequisites: Completion of 18 hours toward program requirements, approval of advisor.

Students will complete an engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

MCEG 6896: Independent Study

Prerequisites: Completion of 18 hours toward program requirements, approval of advisor.

Students will complete an engineering project approved by their Advisory Committee. The project must include elements of engineering design and project management with a subject relevant to the student's program of study. Successful completion of the project will include a professional report and full presentation of the project findings/results.

Note: May be repeated for credit if course content varies.

MCEG 6991: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

MCEG 6992: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

MCEG 6993: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

MCEG 6994: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

MCEG 6995: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

MCEG 6996: Research Project

Prerequisite: Research topic approved by student's advisory committee.

Research of an engineering related topic. Students will be required to submit a final written report and a symposium presentation.

Note: Course may be repeated for a total of 6 credit hours.

MIDDLE LEVEL EDUCATION (MLED)**MLED 5013: Teaching the Young Adolescent**

A study of developmentally appropriate curriculum, instruction, and pedagogy for teaching the young adolescent with an understanding of the historical perspective of middle schools and programs.

MLED 5033: Young Adolescent Growth and Development

Prospective middle level teachers will study the educational implications of the developmental period of young adolescence. An emphasis is placed on developmental characteristics of the young adolescent highlighting the role of the middle level teacher in promoting the healthy development of the young adolescent.

MLED 5043: Diversity in the Middle Level Classroom

Prospective middle level teachers will study the educational implications of the economic, cultural, racial, and intellectually diverse middle level classroom.

MUSEUM (MUSM)**MUSM 5403: Interpretation/Education through Museum Methods**

Cross-listed: ANTH 5403 Interpretation/Education through Museum Methods, HIST 5403 Interpretation/Education through Museum Methods

Prerequisite: Permission of the instructor or Department Head.

Museum perspectives and approaches to care and interpretation of cultural resources, including, interpretive techniques of exhibit and education outreach materials, and integrating museum interpretation/ education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

Note: May not be taken for credit after completion of MUSM 4403, ANTH 4403, or HIST 4403.

MUSIC (MUS)**MUS 5803: History of American Music**

No previous music study required. An in-depth study of American music and its relationship to American history and culture from the 19th century to the present. Research, aural activity, and analysis are used to explore a variety of musical forms, composers, and performers.

MUS 5853: Music of the World's Peoples

Cross-listed: ANTH 5853 Music of the World's Peoples

A survey of predominantly non-Western world music cultures with attention to sonic structures, musicians, musical instruments, and socio-cultural contexts of music making. Listening emphasized.

Note: Open to students in all majors.

MUS 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

NURSING (NUR)

NUR 6103: Theoretical Perspectives

This course is designed to provide the student with the skills necessary to critique, evaluate, and apply theories from nursing and related healthcare disciplines. Philosophical and theoretical underpinnings of the nursing discipline will be explored with in depth discussion of knowledge development and theory analysis. Students will study a selected phenomenon in depth and learn the strategies for concept analysis and development.

\$15 course fee.

NUR 6113: Foundations of Nursing Education

This graduate level course introduces the students to fundamental principles of teaching and learning among a diverse population in academia and clinical environments. Students will develop innovative teaching strategies along with traditional and online methods.

NUR 6203: Research Design and Methods

This course focuses on quantitative and qualitative research design with an emphasis on strategies for incorporating current research findings into the provision of healthcare to improve quality of care and care delivery. Students will identify common problems in nursing and healthcare systems, and determine the most appropriate research methodology for finding or creating solutions. Students are expected to critically appraise published research and develop appropriate and creative methods for utilizing current research findings in a variety of healthcare settings.

\$15 course fee.

NUR 6213: Epidemiology

This course will prepare the nurse administrator to study the health-related states of client populations and apply epidemiological, social, and environmental data to the health status of individuals, families, groups, and communities. Students will examine environmental and occupational hazards leading to disease and evaluate preventative and therapeutic measures that are available within healthcare delivery systems. Current epidemic and pandemic issues will be discussed in addition to biological, chemical, and radiological threats.

\$15 course fee.

NUR 6303: Law, Ethics, and Policy in Healthcare

This course is an overview of current trends in healthcare today and the legal/ethical issues with which the nurse manager in healthcare systems may confront. Students will examine contemporary social, economic, ethical, and legislative issues influencing healthcare policy. Such issues as legal liability of professionals, legal compliance, ethical standards and personnel law will also be examined.

\$15 course fee.

NUR 6313: The Role of the Nurse Administrator

This course will prepare the graduate to analyze theories and research relevant to the role of nurse administrator as leader and manager. Emphasis will be placed on the internal and external forces influencing the nurse administrator role. Seminars will focus on healthcare policy, organization, healthcare delivery systems, and fiscal management. The graduate will be able to assume a leadership role in the managing of human, fiscal, and physical healthcare resources in a variety of healthcare settings.

\$15 course fee.

NUR 6333: Epidemics and Pandemics

This course introduces students to the history of infectious diseases and their causative agents, emerging and reemerging diseases that lead to epidemics and pandemics, fundamental epidemiological principles, and surveillance and mitigation strategies. Factors such as urbanization, modern transportation systems, environment, and disrupted ecosystems contributing to the emergence of new infectious diseases and the spread of older diseases will be explored. This course will also examine societal responses to disease, public policy considerations, and the emerging threat of bioweapons.

NUR 6403: Non-Thesis Project

Directed research study of a topic selected by the student, incorporating literature review of current research findings and a written project proposal. This course is designed to provide an opportunity for the student to identify a topic of interest and propose a strategy for implementation of a new program of system change.

\$15 course fee.

NUR 6503: Organizational Behavior and Human Resource Management

Prerequisite: NUR 6313 The Role of the Nurse Administrator

This course deals both with human resource issues in the healthcare organizations and with the theoretical foundations of organizational development as an applied behavioral science. Attention will be directed to the dynamics of contemporary human relations in healthcare organizations. \$15 course fee.

NUR 6513: Fiscal Management in Health Care System

Prerequisite: NUR 6313 The Role of the Nurse Administrator

Financial management and systems development in a changing health care environment are the focus of this course. This course begins with a basic review of accounting systems in health care facilities. Key concepts such as cost behavior and analysis, budgeting, and internal controls are all explored. Strategic planning and implementation will also be examined. \$15 course fee.

NUR 6526: Nursing Administration Practicum

Prerequisites: 24 hours of core courses and NUR 6503 Organizational Behavior and Human Resource Management and NUR 6513 Fiscal Management in Health Care System.

This course is designed to promote student application of theory to practice. Students, with faculty approval, will select the healthcare setting and nurse administrator for the practicum. Students will be required to plan their studies, set specific learning objectives, and provide formal written reports on their findings. The nurse administrator should work closely with his/her preceptor to assess job requirements, analyze budgets and budgetary needs, and develop a plan to provide quality, cost-effective nursing care to patients.

\$30 course fee.

NUR 6603: Crisis Intervention in Disasters

This course is designed to prepare the nurse administrator to develop a crisis intervention program and to understand a wide range of crisis intervention strategies including pre and post incident crisis education, crisis intervention for individuals, significant other support services, demobilizations after large scale traumas/disaster, small group defusing, and group intervention. The nurse administrator should have the knowledge necessary to assess, plan, organize, implement, and evaluate a crisis intervention program.

\$15 course fee.

NUR 6991: Research Thesis

This course is directed research on a thesis topic selected by the student in consultation with a supervising professor. The student will be required to present the thesis in a seminar to faculty and other graduate students.

Note: May be repeated for credit.

\$5 course fee per credit hour.

NUR 6992: Research Thesis

This course is directed research on a thesis topic selected by the student in consultation with a supervising professor. The student will be required to present the thesis in a seminar to faculty and other graduate students.

Note: May be repeated for credit.

\$5 course fee per credit hour.

NUR 6993: Research Thesis

This course is directed research on a thesis topic selected by the student in consultation with a supervising professor. The student will be required to present the thesis in a seminar to faculty and other graduate students.

Note: May be repeated for credit.

\$5 course fee per credit hour.

NUR 6994: Research Thesis

This course is directed research on a thesis topic selected by the student in consultation with a supervising professor. The student will be required to present the thesis in a seminar to faculty and other graduate students.

Note: May be repeated for credit.

\$5 course fee per credit hour.

NUR 6995: Research Thesis

This course is directed research on a thesis topic selected by the student in consultation with a supervising professor. The student will be required to present the thesis in a seminar to faculty and other graduate students.

Note: May be repeated for credit.

\$5 course fee per credit hour.

NUR 6996: Research Thesis

This course is directed research on a thesis topic selected by the student in consultation with a supervising professor. The student will be required to present the thesis in a seminar to faculty and other graduate students.

Note: May be repeated for credit.

\$30 course fee.

ORGANIZATIONAL LEADERSHIP (OL)

OL 5043: Ethical Leadership

Ethics and social responsibility often coincide. In this course, students will examine the real-life ethical and social issues that organizational leaders constantly face. Using theoretical frameworks, students will assess current issues and provide logical recommendations for issues that may arise within their field.

Participation in course requires access to a computer, the internet, and webcam or other view capture technology.

OL 5143: Nonprofit Governance

This course examines the theoretical, philosophical, practical and ethical perspectives related to the effective management and leadership of nonprofit organizations in the twenty-first century. Upon completion of the course, the student will possess and understanding of 1) the historical development of the nonprofit sector, 2) the multiple rationales for the existence of the nonprofit sector, 3) the distinctive characteristics of nonprofit organizations, 4) the professional staff, 5) the dynamic environment of the contemporary nonprofit organization, and 6) the current issues of importance to nonprofit decision makers.

OL 5343: Community Development

This course covers the basic principles and issues in community development in the United States. Topics include: community development; community assessment; methods of planning, implementing, and evaluating community based organizations. Students will work individually or in groups to design a non-profit organization based on a community needs assessment. The focus will be on assessment, planning, leadership, financing, and evaluating a community based organization.

Participation in course requires access to a computer, the internet, and a webcam or other video capture technology.

OL 5643: Organizational Globalization and Diversity

This course will explore and examine the dynamics of diversity and inclusion practices in an organizational environment. Students will become familiar the theoretical and practical implications of diversity and inclusion and how to include it in their leadership skills.

Participation in course requires access to a computer, the internet, and a webcam or other view capture technology.

OL 6043: Leadership in Organizational Change

This course is designed to provide students with both conceptual framework and the practical skills needed to lead effective organizational change. Over time everything changes, even organizations. Good leaders do not wait for change; they encourage and facilitate it. In this course, students will concentrate on becoming effective change agents. Students will explore how to assess organizations for change, become familiar with behavioral theories for individual and organizational change, and implement the process for organizational change.

Participation in the course requires access to a computer, the internet, and a webcam or other video capture technology.

OL 6053: Advanced Research Methods in ODL

Advanced Research Methods in ODL covers advanced skills in quantitative, qualitative, and mixed-methods research. Students will become familiar with research design, methodology, data collection, data management, data analysis, and reporting results.

Participation in course requires access to a computer, the internet, and a webcam or other video capture technology.

OL 6063: Evaluation and Assessment in Organization Development and Learning

This course presents students with evidence-based frameworks used in leadership practices to make sound decisions. Topics including defining objectives, collecting relevant, reliable information, generating feasible options, making the decision, implementation, and evaluating results, as well as forward-based decision making and intuition.

Participation in course requires access to a computer, the internet, and a webcam or other video capture technology.

OL 6093: Organizational Development and Learning Capstone

Prerequisite: Successful completion of 24 credit hours of graduate level ODL coursework or permission of program chair.

Students will demonstrate mastery in leadership, adult learning, and organizational development theory and practice through completion of either a master's thesis or comprehensive exams. Students will select a thesis or comprehensive exam track. Students selecting to complete a master's thesis will develop a research project. Comprehensive exam students will submit extensive, data-supported responses to four questions regarding theory and practice in organizational leadership, adult learning, and organizational development. All students will complete an electronic portfolio highlighting academic and professional competencies.

Participation in course requires access to a computer, the internet, and a webcam or other video capture technology.

OL 6143: Consultation, Coaching, and Leadership Development

This course is designed to introduce students to training and development in organizations, with a focus on consultancy, coaching, and strategies for leadership development at the individual and organizational level. Students will learn about practical approaches and models to employee training, coaching, mentoring, and performance improvement in a workplace setting. Topics include strategic training, training design, training methods, evaluation, diversity training, and ethics.

Participation in course requires access to a webcam or other video capture technology.

OL 6883: Special Problems in Organizational Development and Learning

Prerequisite: Permission of program chair

Special problems in Organizational Development and Learning is designed to address current issues and topics relevant to Organizational Development and Learning. Content is determined by contemporary trends and timely issues.

Note: Since the topic for the course will vary each time offered, a student can repeat this course, earning a maximum of six (6) graduate credit hours.

OL 6891: Independent Study in Organizational Development and Learning

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge, which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of the findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit up to six (6) hours.

OL 6892: Independent Study in Organizational Development and Learning

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge, which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of the findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit up to six (6) hours.

OL 6893: Independent Study in Organizational Development and Learning

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge, which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of the findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit up to six (6) hours.

OL 6894: Independent Study in Organizational Development and Learning

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge, which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of the findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit up to six (6) hours.

PHILOSOPHY (PHIL)**PHIL 5093: American Philosophy**

Cross-listed: HIST 5223 American Philosophy

Prerequisite: Permission of the instructor or Department Head.

An examination of the main currents of American philosophical and religious thought from the earliest times to the present.

PHYSICAL EDUCATION (PE)**PE 5013: Structural and Mechanical Kinesiology Concepts**

Prerequisite: Undergraduate degree from an accredited university

An investigation of the structural and mechanical bases of human movement, sport, and exercise programming. Completion of this "leveling" course with a grade of "B" or higher is a prerequisite for admission into the SCS degree program for those students who have not already completed an undergraduate course in Kinesiology/Biomechanics with a grade of "B" or higher.

Note: This course does not count towards the Strength and Conditioning Studies degree requirements.

PE 5023: Applied Physiology Concepts

Prerequisite: Undergraduate degree from an accredited university

An investigation into the acute responses and chronic adaptations made by the human body in adjusting to various types of physical activity. Completion of this "leveling" course with a grade of "B" or higher is a prerequisite for admission into the SCS degree program for those students who have not already completed an undergraduate course in Exercise Physiology with a grade of "B" or higher.

Note: This course does not count towards the Strength and Conditioning Studies degree requirements.

PE 6033: Exercise Physiology

Prerequisites: PE 4033 or equivalent with the grade of B or better, PE 2653, and PE 3663 or approval of department head.

A study of the physiological changes in the human organism which accompany physical exercise and the implication of the changes for physical education.

PE 6043: Motor Learning and Control

Prerequisites: PE 3663 or equivalent with grade of B or better and PE 2653, or approval by department head.

Provides an understanding of psychological principles involved in motor performance.

PE 6053: Biomechanics

Prerequisites: PE 2653, PE 3663 or equivalent with a B or better, algebra or general mathematics, and physical science or physics, or approval by department head.

The application of physics as it relates to human movement. Specific emphasis will be made on the mechanics and common injuries involved with selected sport or work related movements.

PE 6063: Current Issues in Coaching and Athletics

This course will afford the student the opportunity to analyze historical and contemporary coaching and athletics Issues and to develop cogent written and oral arguments regarding them.

PE 6073: Exercise and Sport Behavior

Prerequisite: PE 4513 or approval by department head.

The course provides an in-depth view of the psychological aspects of human behavior in sport and exercise settings.

PE 6083: Research Methods and Statistics

Prerequisite: PE 4523 or approval by department head.

Designed to familiarize the student with research literature, techniques, and statistical procedures used in physical education today.

PE 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

PE 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

PE 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Note: May be repeated for credit.

PE 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PE 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PE 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PE 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PE 6993: Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

PHYSICAL SCIENCE (PHSC)

PHSC 6883: Workshop

Prerequisite: EDFD 6003 Educational Research or permission of instructor.
The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PHYSICS (PHYS)

PHYS 6881: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PHYS 6882: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PHYS 6883: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PHYS 6884: Workshop

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

POLITICAL SCIENCE (POLS)

POLS 6893: Independent Study

Prerequisite: Permission of the instructor or department head.
Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.
Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

PSYCHOLOGY (PSY)

PSY 5013: History of Psychology

Prerequisite: Graduate standing in psychology or instructor and program director permission.
A survey of the developments in psychology from the ancient Greeks to the emergence of psychology as a modern experimental science.

PSY 5033: Psychological Tests and Measurements

Prerequisite: Graduate standing in psychology or instructor and program director permission.
Theory of psychological testing, statistical procedures and training in administration, scoring, and profiling of various tests of ability, achievement, interests, and personality.
\$20 testing fee.

PSY 5043: Social Psychology

Cross-listed: SOC 5043 Social Psychology
Prerequisite: BA or BS in Sociology or related field.
A study of the factors that influence the attitudes, behaviors, and cognition of the individual with a special emphasis on interactions among people.

PSY 5053: Psychology of Perception

Prerequisite: Graduate standing in psychology or instructor and program director permission.
The study of general perceptual processes. While the main senses will be covered, emphasis will be placed on visual functioning. The role of perception in organismic adaptation will be explored.

PSY 5073: Cognitive Psychology

Prerequisite: Graduate standing in psychology or instructor and program director permission.
A study of the basic principles of mental processes and their influences on behavior. Specifically, the course focuses on the conscious and unconscious processes involved in the acquisition, storage, transformation, and use of knowledge.

PSY 6003: Advanced Principles of Psychology I

Offered: Once a year
Prerequisites: Admission to graduate school or permission of psychology graduate coordinator.
This is the first course in a two course sequence covering the basic principles of psychology from an advanced standpoint. The course will emphasize the research the theories of psychology are based on, the logical and empirical adequacies of modern theories of psychology, and the application of

psychology in the workplace and human service settings. Research, application, and other considerations for graduate psychology students will be emphasized. The core concepts covered in this course include history of psychology, research methods and statistics, biopsychology, learning, memory, cognition, language, consciousness, and cognitive abilities.

PSY 6013: Advanced Statistics

Cross-listed: SOC 6013 Advanced Statistics

Prerequisites: PSY/SOC 2053 or equivalent and graduate standing in sociology or psychology or instructor and program director permission.

An advanced study of the concepts and techniques in descriptive and inferential statistics. Emphasis placed on the application of statistics and psychological research.

PSY 6023: Research Design

Prerequisite: PSY 6013 Advanced Statistics or equivalent and graduate standing in psychology or instructor and program director permission.

An advanced treatment of the design and analysis of psychological research. Emphasis on the logical foundations of experimental design.

PSY 6033: Personality Testing

Prerequisite: PSY 6013 Advanced Statistics or equivalent and graduate standing in psychology or instructor and program director permission.

Application of selected assessment devices. Emphasis on various objective tests including theoretical assumptions, scaling techniques, profile interpretation, and critical research topics.

PSY 6043: Psychopathology

Prerequisite: Graduate standing in psychology or instructor and program director permission.

Surveys classical and contemporary trends and theories of psychopathology; including methods, validity, and utility of classificatory schemes, properties of various disorders, as well as related assessment and treatment procedures.

PSY 6053: Advanced Development Psychology

Prerequisite: Graduate standing in psychology or instructor and program director permission.

Evaluation and assessment of the logical and empirical adequacies of modern theories of psychological development in relation to the maturation process of individuals.

PSY 6063: Advanced Physiological Psychology

Prerequisite: Graduate standing in psychology or instructor and program director permission.

An in-depth analysis of topics in physiological psychology. Emphasis is placed upon functional neuroanatomy of mammals to provide for understanding of systems for neural control of perception, orientation, motivation, learning, and complex processes.

PSY 6073: Personality Dynamics and Theories

Prerequisite: Graduate standing in psychology or instructor and program director permission.

An examination of selected writings and research of major personality theories.

PSY 6083: Seminar in Psychology

Prerequisites: PSY 6013 Advanced Statistics, PSY 6023 Research Design, nine hours of PSY at the 5000-6000 level, and permission of the department. Concentrated analysis of a particular problem in psychology. Emphasis is placed upon the evaluation of current research and theory in the development of research ideas by the student. Topics to be determined by the Graduate Faculty Committee and the Program Director in Psychology.

Note: May be repeated for credit.

PSY 6091: Advanced Field Placement

Prerequisites: Successful completion of 30 graduate hours in psychology, six hours of thesis, and mutual consent of the faculty advisor, department, and industry supervisor.

The course is a jointly supervised field placement in an area diagnostic or treatment facility. Emphasis is on an integration of theory, methods, and graduate training, with on-the-job experience. The placement is designed for students who are considering work in facilities which provide psychological and/or social services.

Note: The purchase of Professional Liability Insurance is required.

Note: May be repeated for credit.

PSY 6092: Advanced Field Placement

Prerequisites: Successful completion of 30 graduate hours in psychology, six hours of thesis, and mutual consent of the faculty advisor, department, and industry supervisor.

The course is a jointly supervised field placement in an area diagnostic or treatment facility. Emphasis is on an integration of theory, methods, and graduate training, with on-the-job experience. The placement is designed for students who are considering work in facilities which provide psychological and/or social services.

Note: The purchase of Professional Liability Insurance is required.

Note: May be repeated for credit.

PSY 6093: Advanced Field Placement

Prerequisites: Successful completion of 30 graduate hours in psychology, six hours of thesis, and mutual consent of the faculty advisor, department, and industry supervisor.

The course is a jointly supervised field placement in an area diagnostic or treatment facility. Emphasis is on an integration of theory, methods, and graduate training, with on-the-job experience. The placement is designed for students who are considering work in facilities which provide psychological and/or social services.

Note: The purchase of Professional Liability Insurance is required.

Note: May be repeated for credit.

PSY 6103: Advanced Principles of Psychology II

Offered: Once a year

Prerequisites: Admission to graduate school or permission of psychology graduate coordinator.

This course is the second course in a two course sequence covering the basic principles of psychology from an advanced standpoint. The course will emphasize the research the theories of psychology are based on, the logical and empirical adequacies of modern theories of psychology, and the application of psychology in the workplace and human service settings. Research, application, and other considerations for graduate psychology students will be emphasized. The core concepts covered in this course include a review of research methods and statistics, motivation, emotion, human development, personality, health and stress, psychology disorders and treatments, social cognition and social psychology, I/O psychology, and neuropsychology.

PSY 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PSY 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PSY 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PSY 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: May be repeated for credit.

PSY 6991: Project or Thesis Research Continuation

This course allows students additional time to research and compose their capstone project/portfolio.

Note: May be repeated for credit.

PSY 6993: Thesis Research

Prerequisites: Graduate standing in psychology and permission of thesis advisor.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

PSY 6994: Thesis Research

Prerequisites: Graduate standing in psychology and permission of thesis advisor.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

PSY 6995: Thesis Research

Prerequisites: Graduate standing in psychology and permission of thesis advisor.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

PSY 6996: Thesis Research

Prerequisites: Graduate standing in psychology and permission of thesis advisor.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Note: May be repeated for credit.

READING (RDNG)

RDNG 5023: Literacy Curriculum Design and Analysis

Prerequisites: DYS 5003 Dyslexia and Other Learning Disorders, DYS 5013 Foundation of Language and Literacy Development, DYS 5023 Interpreting and Administration of Assessments for Planning Instruction or by permission.

Analysis of the different perspectives and dichotomies in reading curriculum analysis, evaluation, and implementation. This course will prepare reading specialists to plan, organize, assess, and supervise/coach reading programs in school systems. Candidates will use current research to evaluate issues and trends in curriculum planning, program assessment, and staff development.

RDNG 5053: Literacy, Technology, and the Reading Environment

Prerequisites: DYS 5003 Dyslexia and Other Learning Disorders, DYS 5013 Foundation of Language and Literacy Development, DYS 5023 Interpreting and Administration of Assessments for Planning Instruction, or special permission of the program director.

This course focuses on literacy, technology, and the reading environment. Understanding the components of technology and its relationship to best practices when teaching and integrating reading instruction is imperative for the master's of reading candidate. This course will use the science of reading as a foundation including: phonics, phonemic awareness, comprehension, writing, fluency, vocabulary, and alphabetic principle. Analysis of new skills gained in this course will be applied to better support teacher and student growth.

RDNG 6043: Multicultural Literacy, Language, and Culture

This course focuses on the relationship between literacy, language, and culture in multilingual and multicultural settings. This course provides opportunities for students to investigate important theoretical perspectives informing research in literacy, language, and culture. Students examine the relationship between child and young adult multicultural literature, language use, instructional activities, and the development of literacy, language, and culture in multilingual and multicultural settings. In this course students will have the opportunity to examine and develop their personal philosophy of literacy, language, and culture in linguistically and culturally diverse settings. They will also be encouraged to carefully examine their beliefs and attitudes about their own language and about the language of others who live around them. Being aware of their beliefs and attitudes will help them become more tolerant of the variation in language use from one individual to the next and from one group to the next. It will also help you better understand the change the language constantly undergoes in personal and social use.

RDNG 6086: Reading Practicum

Prerequisites: Completion of required courses in the program

In this practicum candidates will apply their knowledge of language and literacy theories, research and best practices to an ongoing assessment-instruction process. Candidates work intensively with an individual or a small group of primary, intermediate, or secondary struggling readers at a public, charter, or parochial school daily for 12 weeks. This course is designed to provide both a theoretical base for the causes, diagnosis, and treatment of reading difficulties as well as a practical hands-on opportunity for graduate students to administer a battery of tests to the individual(s), interpret the results, and build a case report that makes corrective recommendations based on the results. Roles of Reading Specialists and Literacy Coaches will be examined.

SECONDARY EDUCATION (SEED)

SEED 5333: Teaching Reading and Study Strategies in the Content Area

This course is designed to provide pre-service and in-service teachers and administrators with a knowledge of reading factors as they relate to various disciplines. Content of the course includes estimating students' reading ability, techniques for vocabulary, questioning strategies, and developing reading-related study skills.

SEED 6881: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SEED 6882: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SEED 6883: Workshop

Prerequisite: Permission of instructor.

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SEED 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

SEED 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

SEED 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

SEED 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

SEED 6991: Thesis Research

Directed research on a thesis topic. If the six (6) hour thesis (SEED 6993 Thesis Research and 6993 in the student's area of specialization) has not been completed during the semester(s) of enrollment, the student must register for SEED 6991 Thesis Research during subsequent semesters in which he/she is receiving faculty assistance with the thesis and/or using University library facilities.

SEED 6993: Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

SOCIOLOGY (SOC)**SOC 5003: Minority Relations**

Prerequisite: BA or BS in Sociology or related field.

A study of minority groups with emphasis upon discrimination, socio-historical characteristics, and processes of social change. Minorities considered include racial, ethnic, and gender.

SOC 5013: Drugs in Society

Cross-listed: CJ 5013 Drugs in Society

Prerequisite: BA or BS in Sociology or related field.

This course presents a comprehensive study of the history and prohibition of drugs use in the United States, as well as the effects of drugs on society in the form of crime, prison, and treatment. The main focus of this class is on the history of drug use, how certain drugs become illegal, and the intended and unintended consequences of drug prohibition for communities and society.

SOC 5043: Social Psychology

Cross-listed: PSY 5043 Social Psychology

Prerequisite: BA or BS in Sociology or related field.

A study of the factors that influence the attitudes, behaviors, and cognition of the individual with a special emphasis on interactions among people.

SOC 5053: Sociology of Health and Illness

Prerequisite: BA or BS in Sociology or related field.

An in-depth look at the sociology of health and illness including an examination of the social structures related to the medical system, the social psychology of health and illness, a comparative analysis of sick role behavior, as well as the study of social causes and consequences of health and illness.

SOC 5063: Social Stratification

Prerequisite: BA or BS in Sociology or related field.

A study of social class and consequences for society and individuals.

SOC 5183: Social Gerontology

Prerequisite: BA or BS in Sociology or a related field

An introduction to the sociology of aging: content provides general and specific knowledge regarding the aging process. Implications for economic, political, and family institutions are emphasized.

SOC 6013: Advanced Statistics

Cross-listed: PSY 6013 Advanced Statistics

Prerequisite: PSY/SOC 2053 or equivalent and graduate standing in sociology or psychology or instructor and program director permission.

An advanced study of the concepts and techniques in descriptive and inferential statistics. Emphasis placed on the application of statistics and psychological research.

SOC 6023: Advanced Sociological Theory

Offered: Fall

Prerequisite: BA or BS in Sociology or related field

This course provides an in-depth survey of the classical social theorists and theoretical traditions in the 19th and 20th centuries. Attention will be directed to major thinkers and schools of thought which are responsible for the emergence of social theory (and the field of sociology). Contemporary theorists who have had a major impact on the discipline will also be examined.

SOC 6033: Advanced Methodology

Prerequisite: BA or BS in Sociology or related field.

An introduction to research methodology, with emphasis upon conceptualization, design, and processes.

SOC 6043: Evaluation and Assessment

Prerequisite: BA or BS in Sociology or related field.

An Introduction to the logic and methods of modern social program evaluation and assessment. Emphasizing the benefits of applied sociological methods, the course reviews nonprofit program measurement with a focus on costs and effects.

SOC 6053: Advanced Topics in Criminal Justice

Prerequisite: BA or BS in Sociology or related field.

This course offers specialized instruction in an area of criminal justice not otherwise covered in the curriculum.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6063: Advanced Topics in Gerontology

Prerequisite: BA or BS in Sociology or related field.

This course offers specialized instruction in an area of gerontology no otherwise covered in the curriculum.

Note: The focus of this course will vary from offering to offering, thus students may take the course more than once.

SOC 6891: Independent Study

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6892: Independent Study

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6893: Independent Study

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6894: Independent Study

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6991: Thesis Research

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

This course is designed to allow the student specific time to research, write, and complete the thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6992: Thesis Research

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

This course is designed to allow the student specific time to research, write, and complete the thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SOC 6993: Thesis Research

Prerequisite: Graduate student status with successful completion of all 12 hours of required coursework in the program.

This course is designed to allow the student specific time to research, write, and complete the thesis.

Note: The focus of the course will vary from offering to offering, thus students may take the course more than once.

SPANISH (SPAN)

SPAN 5023: Introduction to Spanish Linguistics

The purpose of this course is to provide graduate students with the fundamental knowledge of Spanish linguistics as the basis for future application of linguistic principles. This course explores Spanish phonetics, phonology, morphology, syntax and semantics.

SPAN 5203: Short Story

An analysis of Spanish-language short stories.

Note: May be repeated for credit after completion of SPAN 4203 if course content differs.

SPAN 5213: Spanish Literature

A survey of the literature of Spain with readings from representative works.

Note: May not be taken for credit after completion of SPAN 4213.

SPAN 5223: Spanish-American Literature

A survey of Spanish-American literature with readings from representative works.

Note: May not be taken for credit after completion of SPAN 4223.

SPAN 5283: Seminar in Spanish

Selected topics on language, literature, or culture in the Americas and Spain.

Note: May be taken for credit after SPAN 4283 or SPAN 5283 Seminar in Spanish if content differs.

SPAN 5803: Spanish-Language Film

An introduction to Spanish-language film theory and major films.

Note: May be taken for credit after SPAN 4803 if content differs.

SPAN 6003: Introduction to the M.A. in Spanish

The emphasis of this course is on analytical reading and academic writing. The course provides the student with research and analytical tools used in the humanities in order to develop the ability to handle larger expository and argumentative units and to deal more effectively with the writing process. Topics vary from year-to-year.

SPAN 6023: Literary Theory

Examination of the fundamental concepts of literary theory and criticism and their applications to Spanish texts, poetry, narrative, and drama.

SPAN 6063: Spanish American Literature and Culture

The course will examine Latin American literature from the turn of the century modernism to present time. This will include the multiple aspects of modernism, realism and regionalism, post-modernist poetry, contemporary prose, and theatre. Specific themes will be studied such as man versus nature, man versus society, gender issues, and the representation of women. The use of art and film will also be studied.

SPAN 6133: Seminar in Spanish Literature

Seminar in Spanish Literature will be a seminar-style course that examines major writers in Spanish literature. The course will examine each work within its structure. Particular attention will be paid to social, intellectual, and existential aspects.

Note: Course may be repeated if content differs.

SPAN 6163: Spanish Literature and Culture

A study of Peninsular literature, emphasizing works that give representative expression to the thought and cultural patterns of their times.

SPAN 6283: Seminar in Spanish

Selected topics on language, literature, or culture in the Americas and Spain.

Note: Course may be repeated if content differs.

SPAN 6403: Advanced Spanish Grammar

This course is designed to provide more advanced grammatical and syntactical features, increased ability with idiomatic expressions, and vocabulary enlargement.

SPAN 6503: History of the Spanish Language

An examination of different aspects involved in the development of the Spanish language. Topics to be considered may include, among others, the evolution of different linguistic systems of Spanish and the socio-cultural factors and context that influenced its development. The course will entail analysis of texts that reflect changes in language. Usage and attitudes toward language.

SPAN 6701: Teaching College Spanish

Teaching college Spanish is a graduate-level introduction to second language learning/teaching theory, methodology, and practice. Supervised teaching, preparation of instructional and testing materials, and practice in evaluation. Readings and bibliographic work in second language learning/teaching theory, practice, and research.

Note: Required of all graduate assistants.

SPAN 6883: Workshop

Prerequisite: Permission of instructor

The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SPAN 6891: Independent Theory

Prerequisite: Permission of the instructor and department head

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

SPAN 6892: Independent Theory

Prerequisite: Permission of the instructor and department head

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

SPAN 6893: Independent Theory

Prerequisite: Permission of the instructor and department head

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

SPAN 6894: Independent Theory

Prerequisite: Permission of the instructor and department head

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

SPAN 6991: Project or Thesis Research Continuation

This course allows students additional time to research and compose their capstone project/portfolio.

SPAN 6993: Thesis Research

Prerequisite: Permission of the instructor or department head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

SPECIAL EDUCATION (SPED)

SPED 5003: Characteristics of Children with Exceptionalities

Chronically disabling conditions that occur frequently in children with educational handicaps are reviewed. Emphasis is on early identification and detection of at-risk or failure-to-thrive children.

SPED 5013: Assessment of Children with Exceptional Learning Needs

A study of assessment as it pertains to individuals with exceptional learning needs. An overview of the legal and ethical issues involved in assessment. The course provides an examination of the uses of formal and informal assessment to identify the supports and adaptations needed by individuals with exceptional learning needs in order to participate in the general curriculum.

SPED 5023: Planning Instruction for Children with Exceptional Learning Needs, Grades K-6

This course is a hands-on course in planning for the instruction of children, particularly children in grades K-6, with disabilities. Actual policies and paperwork mandated by the Arkansas Department of Education will be used in teaching how to develop an individualized plan for a special needs child. The focus is on disciplines, strategies, and materials involved with special needs collaboration, planning, and implementation.

SPED 5033: Working with Families of Children with Exceptional Learning Needs

This course is a brief examination of the impact of children and adolescents with special needs on the roles within the family. Study will also briefly examine the impact of specialized educational programs and their role in aiding and assisting families.

SPED 5043: Supervised Practicum

This class is a supervised participation in an appropriate school, or institution dealing with early childhood exceptionalities, and providing a practical, hands-on application of teaching methods and ideas.

SPED 5053: Planning Instruction for Children with Exceptionalities, 7th - 12th Grades

Offered: Once per calendar year

This course is a hands-on course in planning for the instruction of children with exceptionalities in the Middle and Secondary schools. Actual policies and paperwork mandated by the Arkansas Department of Education will be used in teaching how to develop an individualized plan for a special needs child. The focus is on disciplines, strategies, and materials involved with special needs collaboration, planning, and implementation.

SPED 5063: Supervised Practicum, Grades K - 12

Offered: Once per calendar year

Prerequisites: SPED 5003 Characteristics of Children with Exceptionalities, SPED 5013 Assessment of Children with Exceptional Learning Needs, SPED 5053 Planning Instruction for Children with Exceptionalities, 7th - 12th Grades, SPED 5033 Working with Families of Children with Exceptional Learning Needs, EDFD 6053 The At-Risk Child in the School Environment, or advisor approval.

This class is a supervised participation in an appropriate school, or institution working with children with exceptional learning needs in an Elementary, Middle Level, and Secondary setting. This course will provide a practical-hands-on application of teaching methods and ideas.

SPED 5073: Planning Instruction in an Early Childhood Setting

This course is a hands-on course in planning developmentally appropriate instruction for all children with an emphasis on exceptionalities birth to K. Actual policies and paperwork mandated by the Arkansas Department of Education will be used in teaching how to develop an individualized plan for a special needs child. The focus is on disciplines, strategies, and materials involved with special need collaboration, planning, and implementation.

SPED 5083: Supervised Practicum B - K

Prerequisites: SPED 5003 Characteristics of Children with Exceptionalities, SPED 5013 Assessment of Children with Exceptional Learning Needs, SPED 5073 Planning Instruction in an Early Childhood Setting, and SPED 5033 Working with Families of Children with Exceptional Learning Needs
This class is a supervised participation in an appropriate school, or institution working with children with exceptional learning needs in an early childhood special education setting. This course will provide a practical-hands-on application of teaching methods and ideas for children in the birth to kindergarten age range.

STATISTICS (STAT)**STAT 5113: Categorical Data Analysis**

Offered: Fall

Statistical tools to analyze univariate and multivariate categorical responses. Emphasis is given to Generalized Linear Models, including logistic regression and loglinear models.

STAT 5153: Experimental Design Analysis

This course introduces students to both design and analysis of experiments as well as statistical computing. Emphasis is given to develop an understanding of experimental methods and major experimental designs. Students will be required to design and carry out an experiment, use a current statistical software package to analyze the data, and make inferences based upon the analysis.

STAT 5383: Machine Learning

Offered: Fall

The focus of the course is an accessible overview of the field of machine learning and provide the students with valuable hands-on experience by illustrating how to implement each of the machine learning methods using Python. Topics covered include Decision Tree, Support Vector Machines, and the kernel methods, AdaBoost and GBDT method, Logistic regression, and neural network, and more.

STAT 5393: Statistical Learning

Offered: Spring

This course is directed towards advanced undergraduates or master's students in statistical or related quantitative fields. The focus of the course is an accessible overview of the field of statistical learning and provide the students with valuable hands-on experience by illustrating how to implement

each of the statistical learning methods using R or other statistical programming language. Topics covered include: regression techniques, classification methods, linear model selection and regularization, unsupervised learning, and more.

STRENGTH CONDITIONING STUDIES (SCS)

SCS 6003: Sport Psychology

Examines psychological concepts, research, and theories in relation to sport and exercise participation.

SCS 6013: Measurement and Evaluation in Strength and Conditioning

Prerequisites: Prerequisites: B or better in the following courses: PE 6033 Exercise Physiology, PE 6053 Biomechanics, and PE 4523.

An advanced investigation of measurement and assessment theory along with the study of various test and measurement protocols used in strength and conditioning, exercise, and sport. Testing in the cognitive, psychomotor, health-fitness, and affective domains will be reviewed. Criteria for selection of tests including validity, reliability, objectivity, and utility. Basic statistical methods as applied to strength and conditioning with particular emphasis on interpretation and evaluation of results will be emphasized.

SCS 6023: Scientific Foundations of Strength and Conditioning

Prerequisites: Prerequisites: B or better in the following courses: PE 6033 Exercise Physiology and PE 6053 Biomechanics.

An intensive advanced course integrating the principles of Exercise Physiology, Biomechanics, and Exercise Psychology as they relate to strength and conditioning programs.

SCS 6033: Strength and Conditioning Program Design and Development

Prerequisites: B or better in the following courses: PE 3663, PE 4033, and WS 4023.

An advanced course that integrates scientific principles and practical applications related to designing a safe and effective strength and conditioning training program. Tenets from Exercise Physiology, Biomechanics, and Exercise Psychology will be reviewed as design principles are covered.

SCS 6043: Techniques for Development of Hypertrophy, Strength, and Power

Prerequisite: A grade of B or better in PE 6033 Exercise Physiology or PE 6053 Biomechanics.

An intensive course designed to assist trainers and coaches in developing the ability to teach proper resistance training techniques. Scientific research dealing with the development of hypertrophy, strength, and power will be explored.

Note: This is a 5 week summer course with 3 weeks spent on-campus.

SCS 6053: Techniques for Development of Speed, Agility, Reaction Time and Endurance

Prerequisite: A grade of B or better in PE 6033 Exercise Physiology or PE 6053 Biomechanics.

An intensive course designed to assist trainers and coaches in teaching various techniques designed to enhance flexibility, speed, agility, reaction time, and glycolytic and aerobic endurance.

Note: This is a 5 week summer course with 3 weeks spent on-campus.

SCS 6063: Trends in Sports Nutrition and Metabolism

An advanced study of nutrition as a means to enhance performance in exercise and sport.

Note: This is a 5 week summer course with 3 weeks spent on-campus.

SCS 6083: Instructional Strategies for Strength Coaches

This course focuses on effective sport pedagogy. Students will gain experience in a range of pedagogical skills including designing learning experiences, task presentation, content analysis, strategies for developing the learning environment, assessment of athlete/client performance, and systematic observation techniques for analyzing and improving teaching.

SCS 6093: Exercise Science Seminar

This course is designed to enhance the student's ability to critically analyze and evaluate contemporary strength and conditioning literature.

SCS 6103: Professional Project

Prerequisite: Requires the prior completion of 27 hours towards the SCS degree. The professional project should be developed and must be approved by the Graduate Program Director prior to enrolling in this course.

The Professional Project is the capstone course for the Master of Strength and Conditioning Studies degree, serving as the integrative culmination of the program. The student is responsible for producing a substantial piece of independent research, a significant professional creative project, or a meaningful internship.

STUDENT AFFAIRS ADMINISTRATION (SAA)

SAA 6023: Introduction to Student Affairs Administration

This course will provide the student with an understanding of the breadth of college student personnel work and introduce the student to the theory and practice of student personnel work as a profession.

SAA 6033: Student Development Theory

This is an introductory course in college student development theory. Students will be provided with a foundation to understand student development theory and how to apply it in a practical way in their work with college students.

SAA 6043: College Students and Diversity

This course provides an overview of literature and research pertaining to student populations, characteristics, and identities, and how these affect students' college experiences. The knowledge and experiences shared will encourage institutional efforts to engage all student populations while also supporting values concerning equity, diversity, inclusivity, and justice.

SAA 6053: Legal Issues for Student Affairs Administrators

This course is designed to teach a process of legal analysis. Benchmark cases will be used to illuminate basic issues. The student will be exposed to a range of administrative problems at the postsecondary level that entail legal implications. The course experiences should ultimately help current and prospective administrators to envision the legal dimensions of collegiate-level decision processes.

SAA 6063: Student Affairs Administration Capstone Seminar

Prerequisite: A minimum of 24 hours must be earned toward program requirements.

This capstone seminar is designed to provide graduating college student personnel students with the opportunity to discuss current issues in student affairs practice with the goal of preparing them as new professionals in the field.

SAA 6073: Counseling Theories and Helping Skills

Emphasizes major counseling theories, techniques, and basic helping skills that are commonly referenced in student affairs work.

SAA 6083: Practicum I in Student Affairs Administration

Prerequisite: A minimum of 18 hours must be earned toward program requirements.

This course provides students the opportunity to participate in a supervised professional experience. The student will process, discuss, and share experiences gained during the practical internship to integrate the experiences with the student development theory.

SAA 6093: Practicum II in Student Affairs Administration

Prerequisite: Successful completion of SAA 6083 Practicum I in Student Affairs Administration.

A practical, applied course where students will participate actively in a supervised professional experience. The student is expected to process, discuss, and share experiences gained during the professional experience and to integrate those experiences with the student development theory.

SAA 6113: Research Design and Analysis

The student will learn to interpret, analyze, and evaluate research reports in professional journals and will understand the principles which underlie effective scientific investigation.

SAA 6123: Assessment and Evaluation in Higher Education

An in-depth survey of the outcomes assessment and institutional effectiveness movement and including assessment techniques, instruments selection, analysis of assessment data, and reporting of assessment findings.

SAA 6133: Ethical Leadership in Higher Education

A study of how educational policy is developed through micro and macro political elements, an examination of ethical and value issues confronting educational leaders, and a demonstration of how individual values drive ethical behavior and ethical decisions.

SAA 6143: Administration in Student Affairs

Administration in Student Affairs is a required course for the Masters of Science in Student Affairs Administration degree. The course provides an overview of the relevant theories in the management, organization, and leadership of institutions of higher education, particularly in areas of student affairs administration. Emphasis will be placed on the application of theory and knowledge to administrative practices of human resource management, financial and budgeting, and facilities management. Students will also examine student affairs units in their functional contexts, including, but not limited to, such areas as admissions, financial aid, orientation, counseling, academic advising, support services, residence life, judicial services, campus activities, Greek life, multicultural and international student affairs, disability services, service learning, religious programs, and commuter and non-traditional student services.

SAA 6153: Advising Student Groups

This course is designed for Student Affairs professionals to gain an understanding of advising student groups and organizations on a college campus. The course will highlight student development theories that introduce group dynamics and student leadership. The course will review the role of the advisor, risk management, leadership development of student, practical skills and techniques that will assist in the formation of new student groups, and will provide valuable resources to help future college administrators with their role as a leader of a student group/organization.

SAA 6163: Academic Advising

This course will provide an overview of the foundations of academic advising as an essential component of student success and retention programs at higher education institutions. The course will focus on advising models, application, and best practices in delivery of advising models.

SAA 6173: Career Advising

Offered: At least once/academic year.

This elective SAA course will provide an overview of the foundations of career advising. Students will learn career development theories, career advising interventions and practices, career assessment and planning tools, and sources of career information and technology designed to assist individuals and groups in lifelong career and lifestyle planning.

SAA 6283: Advising Practicum

Prerequisite: SAA 6073 Counseling Theories and Helping Skills or approval of the course instructor.

Students will gain a conceptual understanding of advising in post-secondary institutions by actively participating in a supervised experience. Students will log a minimum of 100 clock hours in an approved site where they will observe and participate in advising (academic, career, or advising student groups) related services.

Note: This course will be part of the required sequence of courses for those students pursuing the Graduate Certificate in Advising.

SAA 6881: Special Problems (Workshop) in Student Affairs Administration

Special Problems (Workshop) in SAA is an elective course that will provide a study of contemporary issues or problems associated with the field of student affairs and higher education in general. Students will explore these issues, the impact they have on the field of student affairs, and to be introduced to best practices that can be applied to address the issues from a developmental point of view.

Note: Since the topic for the workshop will vary each time offered, a student can repeat this course, earning a maximum number of six (6) graduate hours of credit.

SAA 6882: Special Problems (Workshop) in Student Affairs Administration

Special Problems (Workshop) in SAA is an elective course that will provide a study of contemporary issues or problems associated with the field of student affairs and higher education in general. Students will explore these issues, the impact they have on the field of student affairs, and to be introduced to best practices that can be applied to address the issues from a developmental point of view.

Note: Since the topic for the workshop will vary each time offered, a student can repeat this course, earning a maximum number of six (6) graduate hours of credit.

SAA 6883: Special Problems (Workshop) in Student Affairs Administration

Special Problems (Workshop) in SAA is an elective course that will provide a study of contemporary issues or problems associated with the field of student affairs and higher education in general. Students will explore these issues, the impact they have on the field of student affairs, and to be introduced to best practices that can be applied to address the issues from a developmental point of view.

Note: Since the topic for the workshop will vary each time offered, a student can repeat this course, earning a maximum number of six (6) graduate hours of credit.

SAA 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. This course may be repeated for credit.

TEACH ENGLISH SECOND LANGUAGE (TESL)

TESL 5023: Second Language Acquisition

An introduction to the major theories of language acquisition and their application to the instruction of English language learners.

Note: May not be taken for credit after completion of ENGL 4023 or ENGL 5023 Second Language Acquisition.

Note: TESL 5023 Second Language Acquisition may be used toward fulfilling the Arkansas ESL Endorsement.

TESL 5703: Teaching English as a Second Language

An introduction to the principles and methods in teaching English as a second Language.

Note: May not be taken for credit after completion of ENGL 4703 or ENGL 5703 Teaching English as a Second Language.

Note: TESL 5703 Teaching English as a Second Language may be used toward fulfilling the Arkansas ESL Endorsement.

TESL 5713: ESL Assessment

An introduction to the tools and procedures for evaluating the language proficiency and development of English language learners.

Note: May not be taken for credit after completion of ENGL 4713 or ENGL 5713 ESL Assessment.

Note: TESL 5713 ESL Assessment may be used toward fulfilling the Arkansas ESL Endorsement..

TESL 5723: Teaching People of Other Cultures

An introduction to the complex relationship of language and culture and its impact on teaching English language learners.

Note: May not be taken for credit after completion of ENGL 4723 or ENGL 5723 Teaching People of Other Cultures.

Note: TESL 5723 Teaching People of Other Cultures may be used toward fulfilling the Arkansas ESL Endorsement.

TESL 6003: Linguistics for ESL Teachers

Examination of phonology, syntax, and semantics in a variety of languages, including the study of language changes, as well as regional and social variations. This course will provide students with linguistic insights into language usage, writing, reading, spelling, and vocabulary.

TESL 6013: Modern English Grammar and Usage

Cross-listed: TESL 6013 Modern English Grammar and Usage

Investigation of the structure of American English with an emphasis on practical and pedagogical applications.

Note: Cannot be taken for credit after completion of ENGL 6013 Modern English Grammar and Usage.

TESL 6023: Language and Society

Examination of the interrelationship of language, culture, and non-verbal communication and the role each of these plays in shaping thoughts and attitudes. Students will also investigate the interactions among language, social institutions, cultural beliefs, and individual behavior and the language variations associated with geography, socio-economic class, age, and gender.

TESL 6063: Instructional Strategies in Content Areas

An introduction to teaching techniques that address the academic needs of English language learners in the content areas.

TESL 6083: Seminar in Teaching English to Speakers of Other Languages

Course content will vary.

Note: May be repeated for credit if course content varies.

TESL 6123: Teaching Writing to English Language Learners

A study of the theories, methods, and strategies for teaching writing skills to English language learners.

TESL 6133: Teaching Listening and Speaking to English Language Learners

A study of the theories, methods, and strategies for teaching listening and oral skills to English Language Learners.

TESL 6143: Teaching Reading to English Language Learners

Study of the theories, methods, and strategies for teaching reading skills to English language learners.

TESL 6863: TESOL Practicum

Prerequisite: Completion of 27 hours required for the MA degree or permission of the program director.

TESL 6863 TESOL Practicum is an applied capstone course, designed for teachers to document their instruction of ESOL students, based on the 12 national ENL (English as a New Language) standards.

TESL 6891: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the University's graduate program.

Note: May be repeated for credit.

TESL 6892: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the University's graduate program.

Note: May be repeated for credit.

TESL 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the University's graduate program.

Note: May be repeated for credit.

TESL 6894: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the University's graduate program.

Note: May be repeated for credit.

TESL 6991: Project or Thesis Research Continuation

This course allows students additional time to research and compose their capstone project/portfolio.

Note: May be repeated for credit.

TEACHING/LEARNING/LEADERSHIP (MTLL)

MTLL 6003: School Organization and Leadership for Teacher Leaders

This course will examine how schools are organized and supported from the federal level to the local school. The concepts of leadership and its role at all levels will be a focal part of this study. Students will begin to examine their leadership style and dispositions.

MTLL 6113: Action Research and Data Analysis for School and Classroom Use

This course will focus on the analysis of data with emphasis on student achievement and whole school accountability. Data driven decision-making will be examined. Students will look at research methodologies with a focus on action research and the role of the leader in facilitating action research in the field.

MTLL 6123: Instructional Leadership for the Master Teacher

This course will focus on the "hard and soft" skills of instructional leadership. The teaching and learning process will be the focus of student work. Students will learn how to observe and coach for excellence in teaching and learning. The reflective practice model will serve as a basis for theory and skill development.

MTLL 6133: Basic Elements of Curriculum

This course will focus on national, state, and local curriculum standards. Students will gain an understanding of the alignment issues of curriculum, instruction, and assessment as they prepare a curriculum artifact based on the principles of curriculum.

MTLL 6143: Organizational Change and the Role of the Master Teacher

This course will examine theories of change looking at research and case studies of first and second order change. Students will gain strategies as leaders of change as schools work to move closer to higher performance. Students will study a current change taking place in a school.

MTLL 6152: Professional Portfolio for the Master Teacher

This course will examine the role of the student portfolio and the teaching portfolio. The main focus will be the professional portfolio for the candidate's completion of their degree program.

MTLL 6202: Professionalization of Teaching for the Master Teacher

This course will examine the philosophies and historical perspectives of education for the purpose of reflection on individual teaching and learning practices. Students will purposefully explore and define who they are as a master teacher and what core beliefs impact teaching and learning in their classroom.

MTLL 6223: Teaching and Learning for the Master Teacher

This course will explore theories and best practices that can lead to improved student performance.

MTLL 6233: Advanced Teaching and Learning

Prerequisite: MTLL 6223 Teaching and Learning for the Master Teacher.

In this course the graduate student pursuing the NTL option will continue the exploration of teaching and learning theories and research-based classroom practices to promote improved student learning.

MTLL 6242: Cognitive Coaching and Mentoring for the Master Teacher

Students will develop the necessary skills that will enable the master teacher to be a peer learning coach and mentor for the inductee, peer, and/or marginal teacher.

MTLL 6252: Communication Advocacy & Policy Development for the Master Teacher

Effective means of communicating classroom related issues, in order to be an advocate for teaching and learning practices that make a difference in teaching and learning, will be examined in this course as well as ways for the teacher to impact policy development at the district, state, and national levels.

MTLL 6253: Advanced Curriculum Design Practicum for the Master Teacher

This course will focus on advanced methods of curriculum design. The role of the teacher leader in the curriculum development process will be explored and acquisition of the skills necessary to facilitate, implement, assess, and sustain the process will be learned.

MTLL 6262: Action Research Practicum for the Master Teacher

This course will focus on the implementation of the student action research design, developed in the initial research course, Action Research and Data Analysis for School and Classroom Use. Analysis of field data from this research will be aggregated with emphasis on student achievement. Effective communication of the research results to various audiences will also be explored.

MTLL 6271: Resource Acquisition for the Master Teacher

This course will provide the opportunity for students to discuss, explore, and acquire skills that will supplement means to augment classroom resources in addition to the allocated budget.

MTLL 6292: Evaluation of Classroom Learning for the Master Teacher

Assessment, to evaluate student performance, will be explored with the emphasis being on authentic assessments.

MTLL 6551: Internship Practicum

The purpose of the Intern Practicum is to provide the Non-Traditional (NTL) graduate student with an opportunity to apply theory and practice into experiences in the classroom.

Note: A student can repeat this course, earning a maximum number of four (4) graduate hours of credit
\$50 per credit hour internship practicum fee.

MTLL 6552: Internship Practicum

The purpose of the Intern Practicum is to provide the Non-Traditional (NTL) graduate student with an opportunity to apply theory and practice into experiences in the classroom.

Note: A student can repeat this course, earning a maximum number of four (4) graduate hours of credit
\$100 per credit hour internship practicum fee.

MTLL 6553: Internship Practicum

The purpose of the Intern Practicum is to provide the Non-Traditional (NTL) graduate student with an opportunity to apply theory and practice into experiences in the classroom.

\$150 per credit hour internship practicum fee.

MTLL 6554: Internship Practicum

The purpose of the Intern Practicum is to provide the Non-Traditional (NTL) graduate student with an opportunity to apply theory and practice into experiences in the classroom.

\$200 per credit hour internship practicum fee.

THEATRE (TH)**TH 5283: Children's Theatre: Techniques and Practicum**

Offered: Summer

Prerequisite: Consent of instructor.

The philosophy of teaching acting to children, in theory and practice. The course is designed for drama majors, teachers, and others interested in child development. The semester equivalent of two hours of class lecture is combined with the semester equivalent of two hours of supervised laboratory experience in a children's theatre setting.

Note: May not be taken for credit after completion of COMM 4283 or equivalent.

TH 5313: Theatre History I: Antiquity to Romanticism

A historical survey of the development of drama and theatre from classical Greece to the age of romanticism.

Note: May not be taken for credit after completion of TH 4313 or equivalent.

TH 5323: Theatre History II: Late 18th Century to the Present

The development of theatre from the late 1700s through the twenty-first century, including melodrama, realism, experimental theatre, feminism, political theatre, multiculturalism, and collective creation.

Note: May not be taken for credit after completion of TH 4323 or equivalent.

TH 5983: Theatre Seminar

Prerequisite: Twelve (12) hours in theatre or consent of instructor.

A directed seminar dealing with a selected topic in theatre studies.

Note: May be repeated for credit for different topics.

TH 6893: Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

Note: The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

2022 - 2023 GRADUATE CATALOG

ACADEMIC INFORMATION

Graduate Student Course Load

Graduate students may enroll for a maximum of twelve (12) hours of credit during each of the three semesters (Fall, Spring, and Summer) during the academic year. A one-credit-hour overload may be authorized by the program director of the student's major department. A graduate student will be considered full-time if enrolled for nine (9) or more hours of credit during each of the three semesters. Graduate Assistants will be considered full-time if carrying six (6) or more hours. Students receiving financial aid should check with the Financial Aid office for requirements necessary to be considered a full-time student. Permission to take more than the maximum loads stated above requires the written approval of the student's advisor, program director, and Graduate College Dean.

Change of Major

Subject to the approval of the advisor, current program director, new program director, and Dean of Graduate College a graduate student may be allowed to change their major or add an additional certificate or master's degree.

Adding and Dropping Courses

Changes in the class schedule must be made on official forms available at the Registrar's Office, Suite 307, Brown Hall. Failure to follow the correct procedure for making changes in the class schedule may result in the grade of "F" being recorded for the courses involved. Deadlines for adding courses, dropping courses, or changing sections are listed in the graduate calendar in this catalog. Please note: A student accumulating an excessive number of unjustifiable absences in a course may be dropped from the course by the instructor with a grade of "WN."

Repeating a Course

No graduate student may repeat a course for graduate credit except with the written permission of the advisor. The grade from such a repetition as well as the original grade will be counted in computing the grade point average.

Withdrawing

To withdraw officially, the student must report to the Graduate College and the Office of the Registrar to complete a "Withdrawal Application." Failure to follow this procedure may result in a grade of "F" being recorded.

The deadline for officially withdrawing from the University with grades of "W" is the same as the last day for dropping courses. Withdrawing after this date, which is listed in the graduate calendar in this catalog, will result in grades of "F" being recorded for the semester/term. If circumstances justify special consideration, appeals should be directed to the Graduate College Dean.

Courses for Audit

Enrollment in courses for audit requires admission to graduate study at the University, approval of the Vice President for Academic Affairs and the instructor involved, and payment of the regular fee for the course. Audit will be on a "space-available" basis. Students auditing courses are subject to the same regulations as other students with regard to registration, but they do not take examinations nor receive credit for the course. Students may change from taking a course for credit to audit by following the procedure for adding and dropping courses.

Independent Study Courses

Independent study courses are intended for graduate students who have the interest and the ability to investigate a topic not covered in the graduate courses available in their major field of study. The topic, format, and specific requirements of each independent study project must be approved in writing by the supervising instructor, graduate advisor, program director, and Graduate College Dean prior to enrollment for independent study credit. The original copy of the independent study approval form will be kept in the student's file in the Registrar's Office as part of the student's official graduate record. A student may not enroll in an independent study course before completing twelve (12) hours of graduate credit.

Limit on Workshop and Independent Study Credit

No more than six (6) semester hours of graduate course work completed in workshops and/or independent study may be applied to the master's degree.

Grading

The letters A, B, C, D, F are used in grading to indicate the quality of a student's work: A - Excellent, B - Good, C - Fair, D - Unsatisfactory, and F - Failure. The letters AU, W, WN, R, CR, and I are also used: "AU" indicates that the student was enrolled in the course as an "auditor"; "W" is used to indicate that a course was dropped without penalty; "WN" is used to indicate withdrawn for unjustifiable absences/non-participation. The letter "R" indicates that the student registered for the master's thesis. The mark "R" gives neither credit nor grade points toward a graduate degree. The mark "CR" gives credit for hours only.

A final grade of "I" may be recorded for a student who has not completed all the requirements of a course only in situations where the student has an illness or other circumstances beyond the student's control, and has completed seventy-five percent of the course requirements provided work already completed is of passing quality. If a grade of "I" is assigned, the instructor will set a reasonable time limit within the following semester in which the work must be completed. Beginning the first summer term, 1990, and thereafter, a grade of "I" will not be computed in the grade point average for the semester recorded; however, the "I" will be automatically changed to a grade of "F" for grade and grade point purposes at the end of the next regular semester (fall or spring) unless course requirements are completed and the final grade is reported before the end of the semester. A grade of "I" recorded prior to the first summer term, 1990, will be computed as an "F" for grade point purposes. No grade other than "I" may be changed after it is recorded except if an instructor finds that a grade has been erroneously recorded. The instructor may correct the grade by submitting a written request and explanation of the error to the Vice President for Academic Affairs.

If a student needs to repeat a course or a significant portion of a course, a "W" or "F" will be assigned according to regulations governing the assignments of such grades.

Academic Probation and Suspension

Academic Probation

Academic Probation. Means a student has not met the minimum threshold to be in good academic standing. It is intended as a corrective measure to help students improve their academic performance.

All students who receive one letter grade of "C" will be cautioned by the Graduate College. A student who receives a second "C" in their graduate curriculum must meet with their advisor and have their advisor/program director submit an approved academic plan to the Graduate College prior to registering for the subsequent semester. A student who has a semester grade point average below 3.0 must meet with their advisor and have their advisor/program director submit an approved academic plan to the Graduate College prior to registering for the following semester. Students who have received their second "C" or have a cumulative grade point average below 3.0 will have a registration hold placed on their account and will not be eligible to participate in early registration.

Students will have two semesters to bring their GPA up to a 3.0 higher failure to do so will result in Academic Suspension.

A student who is admitted conditionally or on a non-degree basis who has not yet completed twelve (12) semester hours and holds a less than a 3.0 grade point average will be subject to suspension from Graduate College.

Academic Suspension

Academic Suspension. Means the student is dismissed from their graduate program and may not enroll in any classes at ATU, earn credit at ATU, or receive financial aid at ATU during the suspension period or one calendar year. A student suspended from Graduate College may reapply for admission after one year. Reinstatement to the Graduate College will not necessarily mean reinstatement to a particular graduate program. Readmission does not reestablish financial aid eligibility, nor does it change the maximum timeframe for which a student's previous academic credits can be counted toward a graduate degree six (6) years.

Students who do not clear their conditional admission requirements or students who are unable to raise their GPA to a 3.0 after being on probation consecutively will be academically suspended.

A students' lack of Academic Progress may result in dismissal with no option to be reinstated.

Graduate Clemency Policy

In accordance with Act 1000 of 1991, a student who has previously attended Arkansas Tech University may apply to have the grades and credits earned for one or more consecutive semesters[1] removed from his/her grade point average provided the following criteria are met.

A graduate student who has previously attended Arkansas Tech University and whose attendance has been interrupted for a period of at least one calendar year may qualify for academic clemency provided they were not found guilty of academic dishonesty. A graduate student may apply to have the graduate credits and grades earned at Arkansas Tech University prior to the separation removed from their grade point average for a maximum of two consecutive semesters.

Academic clemency may be granted only one time, is irreversible, and includes all credits earned during the semester/s for which it is requested. The student's complete record will remain on the transcript with the added notation of "academic clemency granted" and the effective date. If the student and/or the Graduate Program Director elect to appeal the decision of the Graduate Council ad hoc clemency committee, their appeal should be submitted to the Dean of the Graduate College for review and final decision. Academic clemency does not restore eligibility for student financial aid, scholarships, or athletic eligibility nor does it change the six-year completion time-line.

Academic Dishonesty/Academic Misconduct

A university exists for the purpose of educating students and granting degrees to all students who complete graduation requirements. Therefore, ATU requires certain standards of academic integrity and conduct from all students. ATU expects an academic atmosphere to be maintained in all classes regardless of their format and delivery, such as in-person classrooms or online classroom settings. This atmosphere is created by both the professor and the students in order to enable all students enrolled in a class to reach their academic potential. All students, regardless of the format and delivery of

their classes, are expected to: attend class (attendance policy is defined by the professor); conduct themselves in a non-disruptive manner; and refrain from cheating, plagiarism, or other unfair and dishonest practices. Students should also realize the class is under the control of the professor who will give students a statement of his or her class policies in a syllabus at the beginning of the semester.

Academic offenses involving dishonesty and misconduct are defined in the Definitions section below. These definitions are not all inclusive, and conduct not expressly set forth in the definitions may also be considered academic dishonesty or academic misconduct.

Definitions

Academic Dishonesty. Academic dishonesty refers to the various categories of cheating and plagiarism in a class, regardless of the class format and delivery.

- Cheating on an examination, quiz, or homework assignment involves any of several categories of dishonest Examples include but are not limited to: a) copying from an examination, quiz, or any other assignment of another student; b) utilizing notes, messages, or crib sheets in any format which gives the student extra help on an exam or quiz, and which were not approved by the professor of the class; c) obtaining advance copies of exams or quizzes by any means; d) hiring a substitute to take an exam or bribing any other individual to obtain exam or quiz questions; e) buying term papers or other assignments from the Internet or any other source; and f) using the same paper to fulfill requirements in several classes without the consent of the professors teaching those classes.
- Plagiarism is stealing the ideas or writing of another person and using them as one's This includes not only passages, but also sentences and phrases that are incorporated in the student's written work without acknowledgement to the true author. Any paper written by cutting and pasting from the Internet or any other source is plagiarized. Slight modifications in wording do not change the fact the sentence or phrase is plagiarized. Acknowledgment of the source of ideas must be made through a recognized footnoting or citation format. Plagiarism includes recasting the phrase or passage in the student's own words of another's ideas that are not considered common knowledge. Acknowledgment of source must be made in this case as well.

Academic Misconduct. Academic misconduct concerns a student's inappropriate behavior in a class regardless of the class format and delivery. Such behavior includes interacting with the professor and other students in a manner that disrupts the learning environment of a class. Examples include but are not limited to: a) engaging in a discussion with other students that is not beneficial to the class or acceptable to the professor; b) interrupting class unnecessarily; c) attempting to monopolize the professor's time and attention; d) being chronically late to the class; and e) failing to engage in a class in a manner that is required by the professor, such as chronically late submission of assignments. Misconduct also covers verbal or nonverbal harassment and threats in relation to classes. Student behavior must not infringe on the rights of other students or faculty during a class.

Academic Grievance/Appeals Procedures

Since charges of academic dishonesty may have serious consequences, a professor who suspects a student of any category of academic dishonesty must have facts and/or evidence to support the charge.

1. The professor will meet with the student and present him or her with a written outline of the alleged academic dishonesty, the evidence supporting the charge, and the penalty. In circumstances that require a student to attend a meeting and the student cannot meet in person, such as with online distance courses, the meeting may take place via telephone or a technology-based format. Penalties for various levels of academic dishonesty vary from giving an F on a particular assignment, quiz or exam, to giving an F on a term paper or other written work, or giving the student an F or W for the course. The professor may also have different penalties for particular cases of academic dishonesty.
2. The professor will notify his or her Department Head and graduate program director (or Graduate Dean if the professor is the Department Head or the graduate program director) of the charge, evidence, and penalty.
3. If the student accused of academic dishonesty denies the charge or disagrees with the evidence presented by the professor, the student should make an appointment with the relevant Department Head and graduate program director (or the Graduate Dean if the professor is the Department Head or the graduate program director; in which case, skip step 4). The student may remain in the class during the appeal process.
4. If the student is still dissatisfied after meeting with the Department Head and graduate program director, he or she should make an appointment to meet with the Graduate Dean who will seek resolution of the problem.
5. If a resolution is not found, the Graduate Dean will refer the student to the Graduate Academic Appeals Committee ("Appeals Committee"), whose composition is described in the Appeals Procedures section below.
6. The student should then submit a written appeal to the Chair of the Appeals Committee, or to an alternate member of the Appeals Committee who is not involved in the matter ("alternate member") as described in the Appeals Procedures section below; and the Chair or an alternate member will select a Sub-Committee as described in the Appeals Procedures section below.
7. If the Sub-Committee determines academic dishonesty has occurred, it will confirm the recommendation of the professor concerning the penalty. Such a decision will be given both to the Chair of the Appeals Committee or an alternate member and to the Graduate Dean. The student will be notified of the Sub-Committee's decision by the Chair of the Sub-Committee that sat for the appeal. The Chair of the Sub-Committee shall also notify the Vice President for Academic Affairs of the decision. The Vice President will review the case and forward the outcome to the Registrar after the appeal period described below in this section.
8. The student shall have the right to appeal the decision of the Academic Appeals Sub-Committee by filing a Notice of Appeal. The only basis for appeal shall be: 1) Alleged failure of the Academic Appeals Sub-Committee to follow the procedures set forth in the Academic Dishonesty/Academic Misconduct policy, or 2) Consideration of new evidence that was not available at the time of the hearing before the Academic Appeals Sub-Committee. The appeal should be in writing and submitted to the Office of the Vice President for Academic Affairs within five (5) working/business days of receiving notification of the Sub-Committee's decision. The decision of the Vice President for Academic Affairs will be final.
9. If the Sub-Committee determines academic dishonesty has not occurred or that the evidence is insufficient, the Chair of the Sub-Committee will forward all pertinent information to the Vice President for Academic Affairs. The Vice President will confer with the Graduate Dean, and the relevant Department Head, graduate program director, and professor to facilitate the return of the student to class without penalty. The Department Head or graduate program director will notify the student of the decision.

Academic Misconduct Procedures

Please note that the procedures listed in this section do not apply to extreme incidents of academic misconduct, such as verbal or physical abuse or threats, which will be dealt with immediately by asking the student to leave the classroom. If the student refuses to leave the classroom, Public Safety personnel will be called to remove the student, and the Dean of Students will also be informed of the behavior. For such extreme incidents of academic misconduct in an online course, the student may be temporarily or permanently removed from the Blackboard course and the Dean of Students will also be informed of the behavior.

1. The professor of a class being disrupted by academic misconduct will speak with the disruptive student. Proper behavior and possible consequences for not modifying the behavior will be discussed with the student.
2. If the student ignores the professor's requests to discuss the behavior, it will be considered that the student received an official warning that his or her classroom conduct is inappropriate. If the student continues the disruptive behavior, the professor will warn the student a second time to cease the behavior.
3. If the student has refused to respond or has ignored the professor's first and second warning, the student will be suspended on an interim basis, and notified of the suspension from the professor of the class in which the warnings were given. Within two (2) working/business days after the date of the interim suspension, a notification will be sent by the professor to the Department Head, the graduate program director, and Graduate College, who will notify the Chair of the Appeals Committee or an alternate member who is not involved in the matter.
4. An Appeals Sub-Committee will be appointed and a hearing will be conducted by the Sub-Committee within three (3) working/business days after the date of the notification to the Appeals Committee of the interim suspension.
5. On the same date the notification of the interim suspension is sent to the Chair, or an alternate member of the Appeals Committee, the student will be advised by the Department Head or the graduate program director that he or she has the right to submit a written statement to the Sub-Committee addressing the alleged incident of academic misconduct. The student's written statement as well as the professor's written statement shall be submitted to the Chair of the Sub-Committee at least 24 hours prior to the hearing.
6. The Sub-Committee will consider the written statements of the professor and the student involved in the alleged incident of academic misconduct. The Department Head or graduate program director will also provide a statement that the warning procedure has been followed and the student has been suspended on an interim basis from attending the particular class, pending the decision of the Sub-Committee. The Sub-Committee has the right to pursue further information from the professor, Department Head, program director, and student.
7. If the Sub-Committee determines academic misconduct has occurred, it will confirm the recommendation of the professor concerning the penalty. Such a decision will be given both to the Chair of the Appeals Committee or an alternate member of the Appeals Committee and to the Graduate Dean. The student will be notified of the Sub-Committee's decision by the Chair of the Sub-Committee that sat for the appeal. The Chair of the Sub-Committee shall also notify the Vice President for Academic Affairs of the decision. The Vice President will review the case and forward the outcome to the Registrar after the appeal period described below in this section.
8. The student shall have the right to appeal the decision of the Academic Appeals Sub-Committee by filing a Notice of Appeal. The only basis for appeal shall be: 1) Alleged failure of the Academic Appeals Sub-Committee to follow the procedures set forth in the Academic Dishonesty/Academic Misconduct policy, or 2) Consideration of new evidence that was not available at the time of the hearing before the Academic Appeals Sub-Committee. The appeal should be in writing and submitted to the Office of the Vice President for Academic Affairs within three (3) working/business days of receiving notification of the Sub-Committee's decision. The decision of the Vice President for Academic Affairs will be final.
9. If the Sub-Committee determines academic misconduct has not occurred or the evidence is insufficient, the Sub-Committee will forward all pertinent information to the Vice President for Academic Affairs. The Vice President will confer with the Graduate Dean, Department Head, graduate program director, and professor to determine the course of action to be followed and the status of the student in regard to the class in question. The Department Head or graduate program director will notify the student of the decision.

Appeal of an Academic Course Grade

The assessment of the quality of a student's academic performance is solely and properly one of the major responsibilities of university faculty members. A grade appeal is not appropriate when a student simply disagrees with the faculty member's judgment about the quality of the student's work. Grade appeals should be based on problems of process and not on differences in opinion concerning academic performance. A student who is uncertain about whether or not a grade should be appealed or who needs additional information about the grade appeal process can contact the department head's office (or dean's office should the instructor be the department head). This policy is implemented within the college that administratively houses the department through which the course was offered, irrespective of a student's major or class standing.

Appeal of Academic Dishonesty/Misconduct

The Graduate Academic Appeals Committee is an official committee of ATU and will be formed each academic year as a pool of qualified faculty and students to hear graduate student academic dishonesty and academic misconduct appeals.

Appeal of an Academic Graduate Program Dismissal

Appeal of a program dismissal must be made by the student directly affected and must be made immediately, within 10 calendar days, following the departmental decision to the department head.

Portfolio/Capstone Projects

Candidates for the Master of Education in Educational Leadership, School Counseling and Leadership, and Teaching, Learning and Leadership, and candidates for the Educational Specialist in Educational Leadership are required to submit a portfolio for completion of requirements of the degree demonstrating evidence of the candidate's competencies required by the specific program standards. A satisfactory portfolio is a requirement for completion of the program.

The candidate must enroll in two (2) hours of portfolio study after completion of 28 hours of course work. The portfolio is to be completed at the end of course work during the last semester of enrollment.

Incompletion of Capstone Projects

Students enrolling in capstone projects such as the project in educational research, the liberal arts project, or thesis research maybe given a grade of "R" if requirements are not completed by the end of the semester. The grades of "R" or "CR" do not affect hours or grade point. Students receiving the grade of "R" will be required to enroll in the course the following semester(s) until the requirements are completed. The grade of "CR" gives credit only for the hours enrolled.

Master's Thesis

Candidates who prepare a thesis in partial fulfillment of the requirement for a master's degree must exhibit the capabilities of gathering, organizing, evaluating, and reporting data which are pertinent to the topic of investigation.

The candidate's thesis committee will be appointed by the program director in consultation with the student's department head which will include at least one other qualified member of the graduate faculty. In addition to the regular graduate faculty members, a person having no official relationship with ATU may be appointed to serve with prior approval of the graduate faculty in the program. The program director will have final approval of the dissertation chair and committee. Total composition of all thesis/dissertation committees shall be reviewed and approved by the Graduate Dean.

Once the general area of research is determined through conference with the advisor(s), the student begins the process necessary for preparation of the thesis. Under the direction of the committee, the student prepares and submits a Topic Approval Request for approval by the Dean of Graduate College via the program director along with IRB approval letter (if applicable). The Topic Approval Request form is found under Student Resources at [Thesis Topic Approval Form](#). All thesis must be written in accordance with the guidelines set forth in the thesis writing guide "Thesis Preparation Guide." This guide may be obtained at the Graduate College website under [Student Resources](#).

The thesis may be started at any time after the student has been admitted to candidacy for the degree. However, the thesis committee must receive the thesis by October 1, if graduating in the fall term, and by March 1 if graduating in the spring term. An oral defense, conducted by the thesis committee, of the thesis is required. The Dean of Graduate College will be notified by the committee, in writing, when the student has passed the oral defense. The oral defense of the thesis must be passed at least three (3) weeks before the degree is conferred.

The thesis, in its defended and committee approved form, along with corresponding Graduate College forms must be electronically submitted to the Graduate College via the Online Research Commons @ATU no later than two (2) weeks prior to the date of graduation; if revisions are required graduation may be deferred to the following semester.

Students working on thesis and other master's projects beyond the term in which coursework for the degree has been completed, will be required to enroll in at least one (1) hour of coursework each ensuing semester until all requirements for the degree have been met. Students who fail to continuously enroll will be dropped from the master's program.

The grade for the course will generally be CR (Credit) or NC (No Credit), with the understanding the person(s) supervising the thesis or project can assign a letter grade to explicitly indicate a student is making good (A or B) or unsatisfactory (C or lower) progress toward graduation.

A student who has been dropped for failure to continuously enroll as stipulated by this policy (excluding summer, unless the student is planning to graduate in the summer) may be readmitted to a master's program by reapplying to Graduate College with written approval of the person(s) supervising the thesis or project and the Program Director. Readmitted students will be required to reapply for graduation and enroll in a number of hours of coursework equal to the number of semesters that have lapsed since the last time they were enrolled, up to a maximum of three (3) hours.

Dissertation

As a formal research paper, the dissertation should reveal the candidate is able to produce original research that meets the professional standards of the discipline. Preparation for writing a dissertation should include careful and wide reading of professional journals and texts of involved disciplines, including the most recent scholarly work in the academic field. Students must exhibit capabilities of gathering, organizing, evaluating, and reporting data which are pertinent to the topic of investigation, as well as exhibiting their ability to use technology appropriate to the discipline.

Dissertation Committee Composition

The graduate student who plans to write a dissertation is responsible for determining the content area of the projected study in consultation with the dissertation chair. The dissertation chair must have doctoral faculty status and expertise in the selected topic area. Together they will decide upon the other members of the dissertation committee, which will include at least one other qualified member of the graduate faculty. In addition to the regular graduate faculty members, a person having no official relationship with ATU may be appointed to serve with prior approval of the graduate faculty in the program. The program director will have final approval of the dissertation chair and committee. Total composition of all thesis/ dissertation committees shall be reviewed and approved by the Graduate Dean.

If more than three members are appointed to the dissertation committee, a majority of the members must hold regular graduate faculty status. A Graduate Faculty member holding non-regular graduate faculty status may serve on a dissertation committee, with prior approval of the program director and written approval by the Graduate College dean.

If a dissertation committee makes a change in its membership, a **“Dissertation Committee Member Change”** form must be submitted to the Graduate College dean for approval.

Responsibilities of the Dissertation Committee

The committee will approve the dissertation proposal, and ensure particulars of the proposal are carried out. Other responsibilities include: reading the dissertation for content, style, and standard English usage; ensuring mechanics are followed according to departmental and university guidelines; affirming proper research techniques are followed, an in-depth review of the literature is completed, and the conclusions reached are both legitimate and supported by data; and ensuring plagiarism does not occur. The committee should make certain the dissertation is of quality and reflects high standards of scholarly writing. The dissertation committee chair is responsible for the initial reading and initial corrections of the student’s paper. The chair is then responsible for submitting the dissertation to the committee members for their review. Please use the **“Graduate College Dissertation Timeline”** that governs this process. The committee and chair will meet with the student as needed during the time the student is engaged in the Dissertation process.

Dissertation Committee Appointment Form

Students must submit a **“Dissertation Committee Appointment Form”** with all Committee Members signatures to the Graduate College dean for final approval of the dissertation committee. The form is available on the Graduate College website.

Dissertation Proposal Defense Form

A dissertation proposal must be prepared and defended by the student and approved by the dissertation committee before work on the dissertation continues. A **“Dissertation Proposal Defense Form”** is available on the Graduate College website. After the dissertation proposal has been defended successfully and signed by the dissertation committee and the program director, it is then submitted to the Graduate College dean for final approval. After the oral defense, the student may make no change to the dissertation, unless authorized by the dissertation committee.

Request to Schedule Dissertation Defense Form

The dissertation student and their committee chair must work together to determine a date and time to schedule the dissertation defense. A **“Request to Schedule Dissertation Defense Form”** is available on the Graduate College website. The form must be signed by the dissertation committee and the program director, it is then submitted to the Graduate College dean for final approval.

Dissertation Defense Final Report

An oral defense of the dissertation is required. It will be conducted by the dissertation committee, which will then notify the Graduate College dean, in writing, the student has passed the final oral defense. The **“Dissertation Defense Final Report”** form is available on the Graduate College webpage. The oral defense of the dissertation be successfully completed at least six (6) weeks before the degree is conferred for fall or spring graduates. After the oral defense, the student may make no changes to the dissertation, unless authorized by the Dissertation Committee.

Dissertation Approval

The dissertation committee, program director, Graduate College reader, and Graduate College dean must approve the dissertation before it is reproduced in its final form.

Credits and Grades

A grade of **R** is given on all dissertation enrollments until the dissertation is accepted, and then appropriate credit is granted. The mark **R** gives neither credit nor grade points toward a graduate degree. The mark **CR** gives credit for hours only. Departments may choose to assign a letter grade or only give credit for hours.

University Policy

While every effort will be made to conform to catalog announcements, the University reserves the right to adapt its program as may be necessary.

Graduation

Please refer to the section entitled [Graduation Requirements](#) for information pertaining to candidacy, application for graduation, payment of graduation fees, and other graduation requirements.



2022 - 2023

GRADUATE ACADEMIC CATALOG

END