

# Graduate Catalog 2014-2015



# Arkansas Tech University 2014-2015 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

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Arkansas Tech University is accredited by The Higher Learning Commission and is a member of the North Central Association of Colleges and Schools, 30 N LaSalle Street, Suite 2400, Chicago, Illinois 60602 (312) 263-0456

## Program Accreditations

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The College of Education at Arkansas Tech University is accredited by the National Council for Accreditation of Teacher Education.

2010 Massachusetts Avenue NW, Suite 500  
Washington, DC 20036  
(202) 466-7496

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

Foundation for Higher Education Accreditation (FFHEA)  
(Emergency Management and Homeland Security)  
965 Harrison Circle  
Alexandria, VA 22304  
(703) 823-5573

Computing Accreditation Commission of ABET  
111 Market Place, Suite 1050  
Baltimore, MD 21202  
(410) 347-7700

## National Institutional Memberships

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American Association of Colleges for Teacher Education  
American Association of Collegiate Registrars and Admissions Officers  
American Society for Engineering Education  
American Association of State Colleges and Universities  
Conference of Southern Graduate Schools  
Council for the Advancement and Support of Education  
NAFSA: Association of International Educators  
National Association of Student Personnel Administrators  
National Association of University Fisheries and Wildlife Programs  
National Collegiate Athletic Association  
National Commission on Accrediting  
National League for Nursing

## Enrolling In College

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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

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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
Director of Athletics	(479) 968-0345
Business Office	(479) 968-0300
Continuing Education Office	(479) 498-6035
Counseling Office	(479) 968-0276
Disabilities Coordinator	(479) 968-0302
	TDD (479) 964-0536
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) 968-0237
Professional Development Institute	(479) 964-0541
Public Safety	(479) 968-0222
Registrar's Office	(479) 968-0272
Student Accounts	(479) 968-0271
Student Services	(479) 968-0239
University Testing Center	(479) 968-0302
Student Housing	(479) 968-0376
Tucker Coliseum	(479) 968-0337

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, 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 he or she has been discriminated against on the basis of race, color, religion, national origin, sex, age, disability, genetic information, or veteran status.

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, 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 the Affirmative Action officer, e-mail [affirmative.action@atu.edu](mailto:affirmative.action@atu.edu).

Arkansas Tech University does not discriminate on the basis of race, color, sex, national origin, or disability in any of its policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, or educational services.

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, the Age Discrimination in Employment Act of 1967 as amended, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act Amendments of 1974, 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.

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.

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.

## Academic Calendar 2014 - 2015

**\* NOTE: The fall and spring dates below pertain to full-term courses. The calendar for condensed courses may differ from what is printed below. Please reference the Registrar's Office website for course and term definitions and pertinent Academic Calendar dates for courses not conforming to the beginning and ending dates outlined below.**

### Summer Sessions 2014 (five-week condensed terms)

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#### First Term - June 2, 2014 to July 3, 2014\*

Late registration for first term	June 2 - 3
Classes begin	June 2
Last day to officially withdraw/drop courses with full reduction of tuition and fees	June 3
Last day to register and add courses/change sections	June 3
Last day to officially withdraw/drop courses with 80 percent reduction of tuition	June 6
Early registration for freshmen for fall semester	May through August
Last day to drop courses with a "W" or change from credit to audit	June 27
First term ends	July 3
Holiday	(Friday) July 4

#### Second Term - July 7, 2014 to August 8, 2014\*

Late registration for second term	July 7 - 8
Classes begin	July 7
Last day to officially withdraw/drop courses with full reduction of tuition and fees	July 8
Last day to register and add courses/change sections	July 8
Last day to officially withdraw/drop courses with 80 percent reduction of tuition	July 11
Last day to drop courses with a "W" or change from credit to audit	August 1
Second term ends	August 8
Graduation	August 9

### Fall Semester Opens August 18, 2014

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Selected fall activities	August 18 - 26
Registration	August 18 - 26
Classes begin	August 27
Labor Day holiday	September 1
Last day to officially withdraw/drop courses with full reduction of tuition/fees	September 3
Last day to register and add courses/change sections	September 3
Last day to officially withdraw/drop courses with 80 percent reduction of tuition	October 1
Deadline for degree audit (transcript evaluation), December 2015 graduates	October 10
Mid-term	October 15
Early registration for spring semester	November 10 - 25
Thanksgiving holidays	7:00 a.m., November 26 - 7:00 a.m., December 1
Last day to drop courses with a "W" or change from credit to audit	December 1
Reading Day	8:00 a.m. - 5:00 p.m., December 9
End of course examinations	

7:00 p.m., December 9 - 10:00 a.m.,  
 December 16  
 December 19 - 20

Graduation

## Spring Semester Opens January 5, 2015

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Registration	January 5 - 9
Classes begin	January 12
Last day to officially withdraw/drop courses with full reduction of tuition/fees	January 16
Last day to register and add courses/change sections	January 16
Martin Luther King Day holiday	January 19
Last day to officially withdraw/drop courses with 80 percent reduction of tuition	February 16
Mid-term	March 2
Deadline for degree audit (transcript evaluation), May 2015 graduates	March 4
Spring holidays	7:00 a.m., March 23 to 7:00 a.m., March 30
Deadline for degree audit (transcript evaluation), summer 2015 graduates	March 30
Early registration for summer and fall semester	April 6 - 22
Last day to drop courses with a "W" or change from credit to audit	April 17
Reading Day	8:00 a.m. - 5:00 p.m., April 28
End of course examinations	7:00 p.m., April 28 to 10:00 a.m., May 5
Graduation	May 8 - 9

## Summer Session 2015 (five-week condensed terms) (tentative)

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### First Term - June 1, 2015 to July 2, 2015\*

Late registration for first term	June 1 - 2
Classes begin	June 1
Last day to officially withdraw/drop courses with full reduction of tuition and fees	June 2
Last day to register and add courses/change sections	June 2
Last day to officially withdraw/drop courses with 80 percent reduction of tuition	June 5
Early registration for freshmen for fall semester	May through August
Last day to drop courses with a "W" or change from credit to audit	June 26
First term ends	July 2
Holiday	(Friday) July 3

### Second Term - July 6, 2015 to August 7, 2015\*

Late registration for second term	July 6 - 7
Classes begin	July 6
Last day to officially withdraw/drop courses with full reduction of tuition and fees	July 7
Last day to register and add courses/change sections	July 7
Last day to officially withdraw/drop courses with 80 percent reduction of tuition	July 10
Last day to drop courses with a "W" or change from credit to audit	July 31
Second term ends	August 7
Graduation	August 8

## Administration

### Board of Trustees

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**Charles Blanchard**, Russellville  
**Eric Burnett**, Fort Smith  
**John Chambers III**, Danville  
**Tom Kennedy**, Little Rock  
**Leigh Whiteside**, Russellville

### Administrative Officers

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**Robert Charles Brown**, 1993, President  
B.A., Northwestern State University, 1967  
M.A., Louisiana State University, 1969  
Ph.D., Louisiana State University, 1976

**John W. Watson**, 1978, Vice President for Academic Affairs  
B.A., University of Arkansas, 1971  
M.S., University of Arkansas, 1973  
Ed.D., Oklahoma State University, 1978

**David C. Moseley**, 1994, Senior Vice President for Administration and Finance  
B.B.A., University of Arkansas at Monticello, 1964  
M.B.A., University of Central Arkansas, 1984

**Susie Nicholson**, 1998, Vice President for Student Services and University Relations  
B.A., University of Arkansas, 1986  
M.S., Arkansas Tech University, 2010

**Jayne W. Jones**, 1976, Vice President for Development  
B.S., Arkansas Tech University, 1988  
M.A., Arkansas Tech University, 2001

**Phil Jacobs**, 2005, Vice President for Governmental Relations  
B.S., Arkansas Tech University, 1968

### Administrative Staff

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**Carol Adkison**, Associate Director of Information Systems for Administrative Systems

**Alison Ahlert**, Event Coordinator for Lake Point Conference Center

**Jan Apple**, Academic Outreach Coordinator

**Sabrina Billey**, Area Coordinator for Residence Life

**Rebecca Bramlett**, Institutional Research Associate

**Jessica Brock**, Coordinator of Concurrent Enrollment Programs

**Rachel Bullock**, Coordinator of TLF Phonathon and Activities

**Jenny Butler**, Assistant Director for Campus Life

**Luke Calcaterra**, Coordinator of Campus Recreation/Head Men's Golf Coach

**Rebecca Callaway**, Instructional Designer - eTech

**Liz Chrisman**, Production Artist and Photographer

**Nichole Christensen**, Student Support Services Program Advisor

**Pat Chronister**, Assistant to the Vice President for Academic Affairs

**Linda Clarke**, Director of Academic Advising Center

**Fred W. Clayton**, Director of Administrative Services

**Lisa Cochran**, Director of Continuing Education

**Brandi Collins**, Licensing Coordinator

**Andrea Cooper**, Admissions Officer

**Pam Cooper**, Coordinator of Donor Relations

**Will Cooper**, Assistant Dean for Student Conduct  
**Jana Crouch**, Director of Academic Services  
**Kelly Davis**, Director of Alumni Relations and Tech Loyalty Fund  
**Kristy Davis**, Associate Dean of Student Wellness  
**Shawna Davis**, Target School Liaison, Upward Bound Program  
**Melanie Diffey**, Career Advisor  
**Tim Diffey**, Academic Advisor  
**Curtis Diggs**, Director of ATU Degree Center at Mid-South Community College  
**Shauna Donnell**, Assistant Vice President for Enrollment Management  
**Jerad Dover**, Technology Services Specialist  
**Brent Drake**, Director of Development Services  
**Jennifer Duncan**, Coordinator of Greek Life  
**Katherine Ehemann**, Associate Controller  
**Daniel Eshcol**, International Student Advisor  
**Diana J. Evans**, Assistant Registrar  
**Bryan Fisher**, Director of Athletic Relations  
**Tommy Fields**, Assistant Dean for Residence Life  
**Debra Fithen**, Director of Corporate and Foundation Relations  
**Jennifer Fleming**, Affirmative Action Officer  
**Rhonda Fleming**, Assistant Registrar  
**Eli Fuentez**, Admissions Officer  
**Shirley M. Goines**, Director of Student Aid  
**Rebecca Gray**, Director of Health Services  
**Veronica Jill Greenwood**, English Language Institute Instructor  
**Brandie Griffin**, Coordinator for Student Engagement  
**Tammy Guarino**, Student Services Operations Manager  
**Jamison Hall**, Associate Registrar  
**Jenny Hardin**, Academic Advisor  
**Phillip Harp**, Academic Advisor  
**Jill Hendricks**, Director of Upward Bound Programs  
**Tiffany Henry**, Coordinator of TECH 1001 Program/Assistant to the Director of Academic Services  
**Aaron Hogan**, Associate Dean for Residence Life  
**Brent Hogan**, English Language Institute Instructor  
**Jessica Holloway**, Purchasing Program Director  
**Aubrey Holt**, Director of Student Life  
**Lindsey Ingmire**, Academic Advisor  
**Linda Johnson**, Budget and Special Programs Director  
**Marilyn Johnson**, Business Manager and Director of Student Accounts  
**Aaron Jones**, Coordinator of Alumni Communications and Events  
**Cara Knight**, Academic Advisor  
**Brian Lasey**, Director of Physical Plant  
**Bruce Lazarus**, Director of Project Lead the Way/Director of STEM Institute  
**Lori LeBahn**, Counselor  
**Marika Lederman**, Academic Advisor  
**Joshua McMillan**, Director of Public Safety  
**Liz Means**, Director of Testing and Disability Services  
**Steve Milligan**, Director of Technology Center/Associate Director of Information Systems for Networked Systems  
**Julie Morgan**, Assistant to the President  
**Dana Moseley**, Director of Gift Planning  
**Theresa Motley**, Associate Director of Information Systems for Support Services



**Courtney Mullen**, Director of Graduate Support Services  
**Steve Mullins**, Director of Athletics  
**Hanna Norton**, Assistant Vice President for Academic Affairs  
**Marsha Oels**, Coordinator of Veteran Services  
**Donna Ogle**, English Language Institute Coordinator  
**Yasushi Onodera**, Director of International and Multicultural Student Services  
**Alison Parks**, Coordinator of Young Alumni and Student Philanthropy  
**William A. Parton**, Director of Library  
**Amy Pennington**, Dean of Students  
**Thomas Pennington**, Associate Vice President and Counsel to the President  
**Carrie Phillips**, Director of New Media  
**Karen Pittman**, Coordinator of Testing Services  
**Chip Porter**, Facility Manager, Lake Point Conference Center  
**Courtney Pratt**, Admissions Officer  
**Donna Rankin**, Controller  
**Angela Reynolds**, Special Projects Coordinator, Human Resources  
**Tammy Rhodes-Weaver**, Registrar  
**Karen Riddell**, Coordinator of Academic Support Services  
**Megan Ridenhour**, Admissions Officer  
**Lindsey Riedmueller**, Student Support Services Program Advisor  
**Paul Smith**, Sports Information Director  
**Kevin Solomon**, Associate Dean for Campus Life  
**Brooke Southard**, Director of Payroll and Special Services  
**Judith Stewart-Abernathy**, Director of Arkansas Tech Museum  
**Michael Stoker**, Director of Web Strategies and Operations  
**Heather Stout**, Registered Nurse  
**Heather Strasner**, Campus Visit Coordinator  
**Sam Strasner**, Director of University Relations  
**Ryan Taylor**, Coordinator of Information Services  
**Will Taylor**, English Language Institute Instructor  
**Lianne Thompson**, Assistant Director of International and Multicultural Student Services  
**Bruce Trefney**, Executive Chef, Lake Point Conference Center  
**Dana Tribble**, Director of Career Services  
**Brandi Tripp**, Associate Registrar  
**David G. Underwood**, Associate Vice President for Academic Affairs  
**Kao Vang**, Target School Liaison, Upward Bound Program  
**Allison Vatzlavick**, Assistant Dean for Residence Life  
**Gail Vaughan**, Bookstore Manager  
**Alisa Waniewski**, Coordinator of Recruitment and Academic Scholarships  
**Wyatt Watson**, Director of Institutional Research and Assessment  
**Felisha Weaver**, Director of Publications and Creative Services  
**Kenneth D. Wester**, Director of Information Systems  
**Dave Wilbers**, Academic Advisor  
**Lori Wineland**, Director of Student Support Services Program  
**Ernest Yang**, Academic Advisor

## **Academic Administration**

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### **College of Arts and Humanities**

**Jeffrey Woods**, Dean  
**Dawn M. Ward**, Head of Art Department  
**W. Daniel Martin**, Head of Behavioral Sciences Department  
**Carl W. Brucker**, Head of English and World Languages Department  
**Peter Dykema**, Interim Head of History and Political Science Department  
**Cynthia L. Hukill**, Head of Music Department  
**Anthony Caton**, Head of Communication and Journalism Department

### **College of Business**

**R. Edward Bashaw**, Dean  
**Stephen Jones**, Associate Dean

### **College of Education**

**Sherry Field**, Dean  
**Chris Giroir**, Head of College Student Personnel Department  
**David Bell**, Head of Curriculum and Instruction Department  
**M. Annette Holeyfield**, Head of Health & Physical Education Department  
**June Lawson**, Director of Teacher Education Student Services

### **College of Engineering and Applied Sciences**

**William C. Hoefler**, Dean  
**Malcolm Rainey**, Head of Agriculture Department  
**Ronald Robison**, Head of Computer & Information Science Department  
**Sandra Smith**, Head of Emergency Management Department  
**Pat Buford**, Associate Dean of Engineering, Professor of Electrical Engineering  
**Cathi McMahan**, Head of Parks, Recreation and Hospitality Administration Department

### **College of Natural and Health Sciences**

**Jeff W. Robertson**, Dean  
**Charles Gagen**, Head of Biological Sciences Department  
**Thomas Limperis**, Head of Mathematics Department  
**Rebecca Burris**, Head of Nursing Department  
**James Musser**, Head of Physical Sciences Department

### **College of Professional Studies and Community Outreach**

**Mary Ann Rollans**, Dean  
**Jeff Aulgur**, Head of Professional Studies Department

### **Graduate College**

**Mary Gunter**, Dean  
**Mona Chadwick**, Head of Center for Leadership and Learning

## Graduate Faculty

The date after each name indicates the first year of appointment to this institution.

GABRIEL L. ADKINS, 2009

Assistant Professor of Speech, Theatre & Journalism

B.A., University of Denver, 1996;

M.S., Pittsburg State University, 2002;

M.A.L., Wichita State University, 2005;

Ph.D., University of Oklahoma 2011.

CHRISTINE E. AUSTIN, 2007

Associate Professor of College Student Personnel

B.A., University of Denver, 1984;

M.Ed., University of Maine, 1990;

Ph.D., University of Denver, 2007.

JIMMY BAILEY, 2010

Assistant Professor of Emergency Administration & Management

B.S., University of Tampa, 1996;

M.S., Arkansas Tech University, 2009.

GARY BARROW, 1981

Professor of Music

B.A., University of North Texas, 1969;

M.Ed., Catholic University of America, 1973;

Ph.D., University of North Texas, 1982.

LINDA C. BEAN, 2000

Associate Professor of Management and Marketing

B.S., Arkansas Tech University, 1973;

M.S.E., University of Central Arkansas, 1986;

Ed.D., Oklahoma State University, 1996.

C. DAVID BELL, 1988

Professor of Elementary Education

Head, Department of Curriculum and Instruction

B.S., Arkansas Tech University, 1969;

M.Ed., University of Arkansas, 1972;

Ed.D., University of Arkansas, 1978.

CAREY BOSOLD, 1991

Associate Professor of Nursing

B.S.N., Arkansas Tech University, 1996;

M.S.N., University of Central Arkansas, 2002;

D.N.P., Union University, 2012.

HERBERT MATT BROWN, 2008

Associate Professor of Computer and Information Science

B.A., University of Arkansas, 1998;

M.S., University of Arkansas, 2000;

Ph.D., Nova Southeastern University, 2007.

CARL W. BRUCKER, 1984

Professor of English

Head, Department of English and World Languages

B.A., Rutgers University 1968;

M.A., Rutgers University, 1976;

Ph.D., Rutgers University, 1980.

PATRICIA S. BUFORD, 2000

Professor of Electrical Engineering

Associate Dean of Engineering

B.S., Christian Brothers University, 1974;

M.S., University of Arkansas, 1985;

Ph.D., University of Arkansas at Little Rock, 2007.

DANIEL W. BULLOCK, 2003  
Associate Professor of Electrical Engineering  
B.S., Arkansas Tech University, 1997;  
M.S., University of Arkansas, 2000;  
Ph.D., University of Arkansas, 2001.

ROSEMARY A. BURK, 2012  
Assistant Professor of Biological Sciences  
B.S., Texas Women's University, 1995;  
Ph.D., University of University, 2012.

REBECCA K. BURRIS, 1991  
Professor of Nursing  
Head, Department of Nursing  
B.S.N., Northwestern State University of Louisiana, 1978;  
M.S.N., Northwestern State University of Louisiana, 1991;  
Ph.D., University of Arkansas for Medical Sciences, 2000.

ALEJANDRA K. CARBALLO, 2009  
Assistant Professor of English and World Languages  
B.A., University of Rio Cuarto, Argentina, 1995;  
M.A., University of Pennsylvania, 2000;  
Ph.D., Florida State University, 2006.

TIM L. CARTER, 1998  
Professor of Curriculum & Instruction  
B.S., Arkansas Tech University, 1989;  
M.Ed., Arkansas Tech University, 1994;  
Ph.D., University of Georgia, 1998.

MONA CHADWICK, 2010  
Associate Professor of Educational Leadership  
Head, Center for Leadership and Learning  
B.S., Texas Tech University, 1975;  
M.S., Sul Ross University, 1996;  
Ed.D., Lamar University, Ed.D.

E. URSULA CHANDLER, 1981  
Professor of German  
B.S., Illinois State University, 1965;  
Ph.D., Northwestern University, 1981.

ERIN CLAIR, 2010  
Assistant Professor of English  
B.A., Case Western Reserve University, 1999;  
M.A., Texas State University, 2002;  
Ph.D., University of Missouri, 2007.

TRACY L. COLE, 2012  
Associate Professor of Accounting & Economics  
B.S.Ed, University of Arkansas, 1990;  
M.Ed., University of Arkansas, 1991;  
J.D., University of Arkansas at Little Rock, 2003.

KEVIN C. COSTLEY, 2003  
Associate Professor of Early Childhood Education  
B.S., Missouri Southern State College, 1975;  
M.S., Pittsburg State University, 1978;  
M.A., Pittsburg State University, 2001;  
Ph.D., Kansas State University, 1982.

RENE COUTURE, 2012  
Assistant Professor of College Student Personnel  
B.A., St. Michael's College, 1997;  
M.A., Indiana State University, 2003;  
Ph.D., University of Northern Colorado, 2010.

THOMAS A. DEBLACK, 1995  
Professor of History & Political Sciences  
B.A., Southern Methodist University, 1973;

M.S.E., Ouachita Baptist University, 1979;  
Ph.D., University of Arkansas, 1995.

PAMELA D. DIXON, 2008  
Assistant Professor of Counseling & Leadership  
B.A., Arkansas Tech University, 1996;  
M.Ed., Arkansas Tech University, 2004.

CHRISTOPHER M. DUERRINGER, 2011  
Assistant Professor of Speech, Theatre and Journalism  
B.A., Stephen F. Austin State University, 2004;  
M.A., Stephen F. Austin State University, 2007;  
Ph.D., Arizona State University, 2011.

PETER A. DYKEMA, 2001  
Professor of History & Political Sciences  
Interim Head, Department of History and Political Science  
B.S., Hope College, 1984;  
M.Div., Western Theological Seminary, 1987;  
M.A., University of Arizona, 1989;  
Ph.D., University of Arizona, 1998.

ERNEST J. ENCHELMAYER, 2005  
Associate Professor of English  
B.A., University of Mississippi, 1993;  
M.A., Arkansas State University, 1995;  
Ph.D., Southern Illinois University, 2005.

RUTH D. ENOCH, 2004  
Associate Professor of Mathematics  
B.A., Vanderbilt University, 1974;  
M.S., University of Iowa, 1975;  
Ph.D., Purdue University, 2004.

DAVID J. ESHELMAN, 2006  
Associate Professor of Speech, Theatre & Journalism  
B.A., Case Western Reserve University, 1999;  
M.F.A., University of Texas at Austin, 2002;  
Ph.D., University of Missouri at Columbia, 2006.

ROGER FANG, 2001  
Associate Professor of Computer and Information Science  
B.Sc., National Chiao-Tung University, 1980;  
M.Sc., University of Florida, 1987;  
Ph.D., University of Florida, 1993.

JOSHUA FISHER, 2011  
Assistant Professor of Art  
B.S., Middlebury College, 2000;  
M.S., University of Georgia, 2004;  
Ph.D., University of Iowa, 2009.

ROBERT FITHEN, 1998  
Associate Professor of Mechanical Engineering  
B.S., Louisiana Tech University, 1984;  
M.S., Texas A&M University, 1987;  
Ph.D., Virginia Tech University, 1993.

ROBERT F. FRASIER, 2003  
Associate Professor of Mechanical Engineering  
B.S., University of Texas at El Paso, 1987;  
M.S., University of Washington, 1989;  
Ph.D., Washington State University, 1996.

CHARLES J. GAGEN, 1990  
Professor of Biological Sciences  
Head, Department of Biological Sciences  
B.S., University of Tennessee at Martin, 1983;  
M.S., Pennsylvania State University, 1986;  
Ph.D., Pennsylvania State University, 1990.

MICHAEL GARNER, 2006  
Assistant Professor of Emergency Management  
B.S., University of Arkansas at Monticello, 1978;  
M.A., University of Arkansas, 1998;  
Ph.D., University of Arkansas, 2001.

REBECCA GARVIN, 2013  
Assistant Professor of English  
B.A., Blue Mountain College, 1976;  
M.F.A., Murray State University, 1998;  
Ph.D., Indiana University, 2011.

PAOLA GEMME, 2001  
Professor of English  
B.A., University of Genoa, 1989;  
Ph.D., Pennsylvania State University, 1998.

CHRISTOPHER GIROIR, 2008  
Associate Professor of College Student Personnel  
Head, Department of College Student Personnel  
B.A., McNeese State University, 1997;  
M.A., Northwestern State University, 1999;  
Ph.D., University of Southern Mississippi, 2006.

JULIA H. GIST, 2010  
Assistant Professor of Nursing  
B.S.N., Harding University, 1983;  
M.S., Texas Woman's University, 1992;  
Ph.D., Texas Woman's University, 2000.

DIANE GLEASON, 2009  
Associate Professor of History and Political Sciences  
B.A., Arkansas Tech University, 1970;  
M.A., University of Arkansas, 1975;  
Ph.D., University of Arkansas, 1997.

ELIZABETH GRAY, 2005  
Associate Professor of Emergency Administration & Management  
B.A., Vanderbilt University, 1993;  
M.B.A., Hendrix College, 1995;  
M.B.A., University of Arkansas at Little Rock, 1999;  
J.D., University of Arkansas at Little Rock, 1999.

CARL E. GRECO, 2001  
Professor of Electrical Engineering  
B.S., Louisiana Tech University, 1967;  
M.S., Rice University, 1974;  
Ph.D., Rice University, 1976.

MARY B. GUNTER, 1998  
Professor of Educational Leadership  
Dean of Graduate College  
B.S.E., University of Arkansas, 1972;  
M.Ed., University of Arkansas, 1976;  
Ed.S., University of Arkansas, 1986;  
Ed.D., University of Arkansas, 1991.

WAYNE A. HELMER, 1998  
Professor of Mechanical Engineering  
B.S., University of Dayton, 1966;  
M.S., University of Arizona, 1968;  
Ph.D., Purdue University, 1974.

JENNIFER E. HELMS, 1993  
Professor of Nursing  
B.S.N., Harding University, 1986;  
M.S.N., University of Missouri at Kansas City, 1992;  
Ph.D., University of Arkansas for Medical Sciences, 2006.

DAVID HOELZEMAN, 2000  
Professor of Computer and Information Science

B.S., University of Central Arkansas, 1988;  
Ph.D., Louisiana State University, 1993.

EMILY HOFFMAN, 2010

Assistant Professor of English  
B.A., University of Kansas, 1999;  
M.A., University of Kansas, 2002;  
Ph.D., Oklahoma State University, 2009.

M. ANNETTE HOLEYFIELD, 1985

Professor of Physical Education  
Head, Department of Health and Physical Education  
B.S., Arkansas Tech University, 1976;  
M.Ed., Arkansas Tech University, 1977;  
Ph.D., University of Arkansas, 1997.

DEBRA HUNTER, 2011

Assistant Professor of Accounting & Economics  
B.A., Louisiana College, 1984;  
M.B.A., Baylor University, 1985;  
D.B.A., Louisiana Tech University, 2004.

SEAN T. HUSS, 2005

Associate Professor of Sociology  
B.A., University of Arkansas at Little Rock, 1995;  
M.A., University of Tennessee, 1998;  
Ph.D., University of Tennessee, 2006.

MOHAMED IBRAHIM, 2011

Assistant Professor of Curriculum Instruction  
B.A., Cairo University, 1984;  
M.A., Munich University, 1994;  
M.A., Oklahoma State University, 1997;  
Ph.D., Oklahoma State University, 2011.

JOHN R. JACKSON, 2003

Associate Professor of Biological Sciences  
Director, Fisheries and Wildlife Science Program  
B.S., Michigan State University, 1983;  
M.S., Mississippi State University, 1987;  
Ph.D., Mississippi State University, 1996.

SHELIA JACKSON, 1998

Professor of Health and Physical Education  
B.S.E., Southern Arkansas University, 1981;  
M.Ed., University of Arkansas, 1984;  
Ph.D., Texas Women's University, 1988.

ELLEN J. JENKINS, 1997

Professor of History and Political Sciences  
Director of Honors  
B.A., University of Texas at Dallas, 1977;  
M.A., University of North Texas, 1983;  
Ph.D., University of North Texas, 1992.

STEPHEN C. JONES, 2005

Associate Professor of Management and Marketing  
B.S., Pittsburg State University, 1981;  
M.B.A., Missouri State University, 1989;  
Ph.D., University of North Texas, 1998.

SCOTT JORDAN, 1994

Associate Professor of Mathematics  
B.S., Southern Arkansas University, 1985;  
M.S., University of Arkansas, 1988;  
Ph.D., University of Southwestern Louisiana, 1994.

JAN KALLBERG, 1994

Assistant Professor of Emergency Management  
J.D./LL.M, Stockholm University, 1997;

M.S., University of Texas, 2009;  
Ph.D., University of Texas, 2011.

CHRISTOPHER J. KELLNER, 1991  
Professor of Wildlife Science  
B.S., University of California at Berkeley, 1978;  
M.S., Eastern Kentucky University, 1985;  
Ph.D., University of Arkansas, 1990.

JOHN L. KROHN, 1991  
Professor of Mechanical Engineering  
B.S.M.E., University of Arkansas, 1981;  
M.S.M.E., University of Arkansas, 1983;  
Ph.D., Texas A & M University, 1992;

PAUL S. LAKE, 1981  
Professor of English  
B.S., Towson State University, 1975;  
M.S., Stanford University, 1979.

ROBIN C. LASEY, 2004  
Associate Professor of Chemistry  
B.S., University of Missouri-Rolla, 1994;  
Ph.D., Bowling Green State University, 2002.

ED LEACHMAN, 2004  
Assistant Professor of Emergency Management  
B.S., Louisiana Tech University, 1960;  
M.S., Louisiana Tech University, 1963.

SANGKI LEE, 2008  
Associate Professor of Journalism  
B.A., Sogang University, 1997;  
M.A., Sogang University, 1999;  
M.A., Michigan State University, 2002;  
Ph.D., Pennsylvania State University, 2007.

TIMOTHY LEGGETT, 2002  
Assistant Professor of Curriculum Instruction  
B.S., William Carey College, 1975;  
M.Ed., William Carey College 1980;  
Ed.D., Nova Southeastern University, 1995.

STANLEY D. LOMBARDO, 1977  
Professor of English  
B.A., State University of New York at Buffalo, 1970;  
Ph.D., Indiana University, 1976.

ERIC LOVELY, 2002  
Associate Professor of Biological Sciences  
B.S., Bloomsberg University, 1992;  
M.S., University of New Hampshire, 1995;  
Ph.D., University of New Hampshire, 1999.

BRIAN LYONS, 2013  
Associate Professor of Health and Physical Education  
B.S., State University of New York, 1987;  
M.P.A., Golden Gate University, 1989;  
M.A., University of Mississippi, 1993;  
Ph.D., University of Mississippi, 1996.

MERLIN ROY MANN, 2012  
Associate Professor of Speech, Theatre and Journalism  
B.A., University of Oregon, 1975;  
M.A., Abilene Christian University, 1986;  
Ph.D., University of Oregon, 1991.

W. DANIEL MARTIN, 2000  
Associate Professor of Sociology  
Head, Department of Behavioral Sciences  
B.S., University of Central Arkansas, 1989;



M.S., University of Central Arkansas, 1992;  
Ph.D., Oklahoma State University, 1996.

JERRY MAYO, 2010

Associate Professor of Health and Physical Education

B.A., Arkansas State University, 1991;

M.S., Arkansas State University, 1993;

M.S., University of Central Arkansas, 2007.

AARON MCARTHUR, 2012

Assistant Professor of History & Political Sciences

B.A., Idaho State University, 2003;

M.A., University of Nevada, 2005;

Ph.D., University of Nevada, 2012.

TERRI J. MCKOWN, 2004

Associate Professor of Nursing

B.S.N., Arkansas Tech University, 1991;

M.S.N., University of Central Arkansas, 2000;

D.N.P., University of Tennessee, 2009.

DAVID MIDDLETON, 1998

Professor of Computer & Information Science

B.S., University of Sydney, 1979;

Ph.D., University of North Carolina, 1986.

JEFFREY A. MITCHELL, 1994

Professor of Philosophy

B.A., Whitman College, 1986;

M.A., Vanderbilt University, 1990;

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B.S., Arkansas Tech University, 1994;

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D.B.A., Argosy University, 2006.

LARRY J. MORELL, 1998

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B.A., Duke University, 1974;

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Ph.D., University of Maryland, 1983.

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B.A., Louisiana State University, 1986;

M.A., University of New Hampshire, 1989;

Ph.D., Tulane University, 1997.

CAROLYN NEEL, 2011

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B.A., University of North Texas, 1997;

M.A., University of Hawaii, 2000;

Ph.D., University of Hawaii, 2006.

NOBUYUKI NEZU, 2001

Associate Professor of Computer and Information Science

B.S., Gakushuin University, 1991;

M.S., Oklahoma City University, 1993;

Ph.D., Oklahoma State University, 1999.

HANNA E. NORTON, 2001

Professor of Journalism

Assistant Vice President for Academic Affairs

A.B.J., University of Georgia, 1994;

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THOMAS E. NUPP, 1997

Professor of Biological Sciences

B.S., The Pennsylvania State University, 1987;

M.S., Auburn University, 1992;  
Ph.D., Purdue University, 1997.

DAVID M. OSBURN, 2000  
Associate Professor of Behavioral Sciences  
B.A., University of Arizona, 1979;  
M.Ed., Wichita State University, 1987;  
M.A., Wichita State University, 1999;  
Ph.D., Wichita State University, 2000.

JACKIE L. PAXTON, 2005  
Professor of Early Childhood Education  
A.A., Westark Community College, 1976;  
B.S.E., University of Central Arkansas, 1978;  
M.S.E., University of Central Arkansas, 1979;  
Ed.D., University of Arkansas, 1990.

JEFFREY V. PEARSON, 2011  
Assistant Professor of History & Political Sciences  
B.A., Indiana University, 1998;  
M.A., University of New Mexico, 2001;  
Ed.D., University of New Mexico, 2011.

ROCKIE PEDERSON, 2011  
Associate Professor of Health & Physical Education  
B.S., Henderson State University, 1979;  
M.S., Henderson State University, 1980;  
Ph.D., Texas Women's University, 2000.

THOMAS W. PENNINGTON, 1995  
Professor of Legal Studies  
Associate Vice President and Counsel to the President  
B.S., Arkansas Tech University, 1990;  
J.D., University of Arkansas, 1993.

STEPHANIE PEPPER, 2010  
Assistant Professor of Early Childhood Education  
B.M.E., Delta State University, 1973;  
M.Ed., University of Mississippi, 1998;  
Ed.S., University of Mississippi, 2001;  
Ed.D., University of Mississippi, 2007.

SUSAN POZNAR, 1993  
Professor of English  
B.A., Brandeis University, 1980;  
M.A., Duke University, 1982;  
Ph.D., Duke University, 1989.

NELSON R. RAMÍREZ, 2006  
Associate Professor of Spanish  
B.A., University of California, Berkeley, 1997;  
M.A., University of California, Berkeley, 1999;  
Ph.D., University of California, Berkeley, 2005.

MARK R. REAVIS, 2012  
Assistant Professor of Accounting & Economics  
B.A., Ouachita Baptist University, 1987;  
M.B.A., Texas A&M University, 2005.

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Assistant Professor of Speech, Theatre and Journalism  
B.A., Arkansas Tech University, 1996;  
M.A., Arkansas Tech University, 2002.

MICHAEL K. RITCHIE, 1989  
Professor of English  
B.A., University of Cincinnati, 1969;  
M.F.A., University of Iowa, 1975;  
M.S.L.S., University of Kentucky, 1979;  
Ph.D., Bowling Green State University, 1986.

JEFF W. ROBERTSON, 1997  
Professor of Astrophysics  
Dean, College of Natural and Health Sciences  
Director of Astronomical Observatory  
B.S., University of Kansas, 1989;  
M.S., San Diego State University, 1991;  
Ph.D., Indiana University, 1995.

RONALD D. ROBISON, 1988  
Associate Professor of Computer and Information Science  
Head, Department of Computer and Information Science  
B.S., Iowa State University, 1970;  
M.S., University of Southern California, 1975.

SARAH H. ROBISON, 1989  
Associate Professor of Computer and Information Science  
B.S., University of Arkansas at Monticello, 1978;  
M.Ed., Southern Arkansas University, 1982;  
M.S., Nova Southeastern University, 1994.

MICHAEL T. ROGERS, 2007  
Associate Professor of History & Political Sciences  
B.A., Wabash College, 1995;  
M.A., University at Albany-SUNY, 1999,  
Ph.D., University at Albany-SUNY, 2005.

REGINA ST. JOHN, 2006  
Associate Professor of English  
B.A., University of Arkansas at Monticello, 1993;  
M.A., Arkansas State University, 1994;  
Ph.D., Ball State University, 2004.

JENNIFER SAMSON, 2012  
Assistant Professor of Behavioral Sciences  
B.S., Vanderbilt University, 2000;  
M.S., Vanderbilt University, 2009;  
PhD., Vanderbilt University, 2012.

JULIE M. SCHLUTERMAN, 2007  
Associate Professor of Behavioral Sciences  
B.S., Arkansas Tech University, 1997;  
M.S., University of Tennessee, 2002;  
PhD., University of Tennessee, 2007.

CORY SHAMAN, 2006  
Associate Professor of English  
B.A., Mississippi State University, 1992;  
M.A., University of Mississippi, 1997;  
Ph.D., University of Mississippi, 2007.

REBECCA A. SHOPFNER, 2000  
Associate Professor of Teaching and Learning  
B.S.E., University of Central Arkansas, 1973;  
M.Ed., Arkansas Tech University, 1986;  
Ed.D., University of Arkansas, 1999.

CHERYL S. SMITH, 1992  
Professor of Nursing  
B.S.N., University of Southern Alabama, 1983;  
M.S., University of Southern Mississippi, 1990;  
Ph.D., University of Arkansas for Medical Sciences, 2006.

MONTY SMITH, 2010  
Assistant Professor of Mechanical Engineering  
B.S., Texas A&M, 1987;  
M.S., Purdue University, 1990;  
Ph.D., Purdue University, 1997.

SANDRA SMITH, 2011  
Associate Professor of Emergency Management  
Head, Department of Emergency Management

B.S.N., Duke University, 1981;  
M.S.N., University of Central Arkansas, 1999;  
Ph.D., Loyola University, 2005.

V. CAROLE SMITH, 2004  
Associate Professor of Middle Level Education  
B.M., University of Arizona, 1969;  
M.M., University of Arizona, 1972;  
M.Ed., University of Arizona, 1980;  
Ph.D., University of Arizona, 1986.

DARLA SPARACINO, 1993  
Associate Professor of Biological Sciences  
B.S., Arkansas Tech University, 1989;  
M.A., Arkansas Tech University, 2012.

JAMES STEUBER, 2008  
Associate Professor of Mechanical Engineering  
B.S., Arkansas Tech University, 2001;  
M.S., Texas A & M University, 2007;  
Ph.D., Texas A & M University, 2009.

JAMES STOBAUGH, 2012  
Professor of Behavioral Sciences  
B.A., University of Hawaii, 2002;  
M.A., University of California, 2007;  
Ph.D., University of California, 2012.

JOSEPH N. STOECKEL, 1992  
Professor of Biological Sciences  
B.A., Southern Illinois University at Carbondale, 1978;  
M.A., Southern Illinois University at Carbondale, 1985;  
Ph.D., Virginia Polytechnic Institute and State University, 1993.

JOSEPH B. N. SWAIN, 2008  
Assistant Professor of History & Political Sciences  
B.S., Northwestern State University, 2000;  
M.A., Western Illinois University, 2003,  
Ph.D., University of Oklahoma, 2008.

H. MICHEAL TARVER, 2002  
Professor of History  
B.G.S., The University of Louisiana at Lafayette, 1983;  
M.A., The University of Louisiana at Lafayette, 1990;  
Ph.D., Bowling Green State University, 1995.

L. KIM TROBOY, 2002  
Professor of Management and Marketing  
B.S., Arkansas Tech University, 1980;  
M.B.A., University of Arkansas, 1987;  
Ph.D., University of North Texas, 1997.

CHRISTOPHER TROMBLY, 2013  
Assistant Professor of Teaching and Learning  
B.A., Colorado State University, 1994;  
M.A., Boston College; 1997;  
M.Ed., Boston College, 2002;  
Ph.D., Boston College, 2012.

DAVID G. UNDERWOOD, 2001  
Professor of Education  
Associate Vice President for Academic Affairs  
B.A., Western Kentucky University, 1972;  
M.P.S., Western Kentucky University, 1978;  
M.A.Ed., Western Kentucky University, 1979;  
Ph.D., Indiana University, 1985.

SUSAN J. UNDERWOOD, 2003  
Associate Professor of College Student Personnel  
B.S., Western Kentucky University, 1980;

M.A.Ed., Western Kentucky University, 1982;  
Ph.D., New Mexico State University, 1990.

RACHEL URBANEK, 2012  
Assistant Professor of Biological Sciences  
B.A., Penn State University, 2005;  
Ph.D., Southern Illinois University, 2012.

THOMAS A. VAUGHN, 2003  
Associate Professor of Speech, Theatre and Journalism  
B.A., University of Arkansas, 1990;  
M.A., University of Arkansas, 1992;  
Ph.D., Indiana University, 1998.

LYNN WALSH, 2010  
Associate Professor of Secondary Education  
B.S.E., Indiana University, 1974;  
M.A., University of Houston, 1980;  
Ed.D., Baylor University, 2001.

JAMES R. WALTON, 2006  
Associate Professor of Management and Marketing  
B.S., Missouri Southern State College, 1979;  
M.B.A., University of Central Arkansas, 1993;  
Ph.D., Texas Tech University, 2001.

DANA D. WARD, 1988  
Professor of Spanish  
B.A., Hendrix College, 1974;  
M.A., University of Arkansas, 1977;  
Ph.D., University of Arkansas, 1987.

DAVID W. WARD, 1999  
Associate Professor of Psychology  
B.S., University of Texas, 1986;  
M.S., University of Georgia, 1990;  
Ph.D., University of Georgia, 1998.

JASON E. WARNICK, 2006  
Associate Professor of Behavioral Sciences  
B.A./B.S., Arkansas State University, 2002;  
M.A., University of Mississippi, 2004;  
Ph.D., University of Mississippi, 2006.

DONNA R. WHITE, 2001  
Professor of English  
B.A., Arkansas Tech University, 1976;  
M.A., University of Texas, 1983;  
Ph.D., University of Minnesota, 1991.

MELINDA A. WILKINS, 1988  
Professor of Health Information Management  
Director of Health Information Management  
B.S., Southwestern Oklahoma State University, 1983;  
M.Ed., Southwestern Oklahoma State University, 1988;  
Ph.D., Capella University, 2008.

MATTHEW WILLIAMS, 2010  
Assistant Professor of English  
B.A., Hampshire College, 1999;  
M.A., CUNY City College, 2005;  
Ph.D., CUNY City College, 2008.

PENNY P. WILLMERING, 1999  
Professor of Behavioral Sciences  
Director of Rehabilitation Science  
B.S.Ed., University of Missouri-Columbia, 1979;  
M.A., Southern Illinois University, 1986;  
Ph.D., University of Madison-Wisconsin, 1999.

DEBORAH WILSON, 1992

Professor of English

B.A., Louisiana Tech University, 1974;

M.Ed., Mississippi College, 1982;

Ph.D., Louisiana State University, 1991.

SID T. WOMACK, 1986

Professor of Secondary Education

B.M.E., Abilene Christian College, 1972;

M.Ed., Sam Houston State University, 1974;

Ph.D., Texas A & M University, 1979.

JEFFREY R. WOODS, 2000

Professor of History & Political Sciences

Head, Department of History & Political Science

B.A., University of Kansas, 1992;

M.A., University of Arkansas, 1994;

Ph.D., Ohio University, 2000.

SAM M. WORLEY, 1997

Associate Professor of English

B.A., The University of Texas at Austin, 1981;

M.A., The University of North Carolina at Chapel Hill, 1986;

Ph.D., The University of North Carolina at Chapel Hill, 1991.

TSUNEMI YAMASHITA, 1990

Professor of Biological Sciences

B.A., Hendrix College, 1985;

Ph.D., Vanderbilt University, 1993.

## General Information

### The Campus

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Arkansas Tech University, with its spacious 516-acre campus, is located on the northern edge of the city of Russellville. This growing community, with a population of approximately 24,000, is ideally situated between the mountains of the Ozark National Forest on the north and those of the Ouachita National Forest on the south. It is midway between the state's two largest population centers, Fort Smith, 85 miles to the west, and Little Rock, 75 miles to the east. Interstate Highway 40 passes just north of the campus and connects these two cities.

Arkansas Tech University's Lake Point Conference Center is located west of Russellville and is home to the College of Professional Studies and Community Outreach and offers both credit and non-credit programs. Adjacent to Lake Point Conference Center is the Center for Leadership and Learning, a part of the Graduate College, where graduate degrees in school leadership are offered. The Center for Leadership and Learning serves as an outreach to public schools of the area. Lake Point is nestled on Lake Dardanelle in a beautiful wooded setting and offers private guest rooms, elegant and casual food service, unique amenities and spectacular views from every building. Lake Point Conference Center can accommodate a wide variety of meetings, training, conferences, retreats, as well as business and social functions.

In addition, Russellville is the crossroads of activity for State Highways 7, 22, 64, and 124. The historic natural crossing of the Arkansas River at Dardanelle is four miles to the south. The navigable river forms a 36,600 acre lake with 315 miles of shoreline behind a lock and dam located just southwest of the city. The Missouri Pacific Railroad passes through the city and parallels the river between Little Rock and Fort Smith.

Russellville is the county seat of Pope County. Historic Dwight Mission, established by the American Board of Foreign Missions among the Cherokee Indians in 1821, was located a short distance west of the campus of Arkansas Tech University on Illinois Bayou, where that stream is now crossed by Highway 64. Descendants of Cephas Washburn, the intrepid missionary who founded the mission and named it for Timothy Dwight of Yale, live in Russellville at the present time.

Arkansas Tech University is in the center of an area experiencing vigorous industrial development as evidenced by the growth of local industry and the number of national concerns locating plants in the area. Arkansas Nuclear One, the first nuclear power plant completed in the Southwest, and a second nuclear power unit have been constructed near Russellville by Entergy, thus assuring continued industrial growth. Headquarters for District 9 of the Arkansas Highway Department and for the Ozark – St. Francis National Forests are located in Russellville. The McClellan – Kerr Navigation Project is having a significant effect upon the development of the area. The impoundment of the Arkansas River has formed Lake Dardanelle which borders the west edge of the campus. Poultry, cattle, soybeans, cotton, and lumber are the principal money crops in the area served by Arkansas Tech University.

### History

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Arkansas Tech University was created by an act of the Arkansas General Assembly in 1909. Under the provisions of this Act, the state was divided into four Agricultural School Districts. Boards of Trustees were appointed by the Governor with the approval of the Senate, and appropriations were made for the erection of buildings and employment of a faculty for a district agricultural school in each of the four districts.

Twenty counties of northwestern Arkansas were designated as the Second District. Governor Donaghey appointed W. U. Balkman, J. R. Williams, H. S. Mobley, A. D. Shinn, and O. P. Nixon as a Board of Trustees for the Second District Agricultural School. Several towns made efforts to have the school located in their area. After considering all proposals, the Board of Trustees decided to locate it at Russellville, which had made an offer of a tract of 400 acres of land adjoining the city limits and a cash bonus of several thousand dollars.

The school opened its doors for students in the fall of 1910. The first class to graduate from the school was the high school class of 1912. In 1921-22, a freshman year of college work was offered, in 1922-23 a second year, in 1923-24 a third year, and in 1924-25 a fourth year. The General Assembly in 1925 changed the name from the Second District Agricultural School to Arkansas Polytechnic College with power to grant degrees. The class of 1925 was graduated with the degree of bachelor of science, as was the class of 1926. The effort to maintain a four-year high school and a four-year college proved beyond the resources of the institution at that time, and it became a junior college in the fall of 1927. The four years of secondary work were dropped, one year at a time, and the last high school class was the class of 1929.

Changing and increasing demands for college education in Arkansas caused the Board of Trustees in 1948 to convert the college from a junior college to a degree-granting institution. In 1948-49 the college offered the third year of college work, and in 1949-50 the fourth year, with the first baccalaureate degrees awarded at the end of the 1949-50 spring semester. A graduate program leading to the degree of master of education was established in 1976. Graduate courses were first offered by Arkansas Tech in the summer of 1975.

In accordance with an act of the Arkansas General Assembly and by the authority of the State of Arkansas Board of Higher Education, the name of Arkansas Polytechnic College was changed to Arkansas Tech University, effective July 9, 1976.

Arkansas Tech has consistently adjusted its scope to accommodate immediate and future needs. In 1985 the institution reorganized its programs into the Schools of Business, Education, Liberal and Fine Arts, Physical and Life Sciences, and Systems Science. In 1997, the School of Community Education and Professional Development was established. As part of ongoing efforts in strategic planning and a recognition of the growth and scope of the institution and its programs, the schools were renamed in 2009: College of Business, College of Education, College of Arts and Humanities, College of Natural and Health Sciences, College of Applied Sciences, and College of Professional Studies and Community Outreach. In 2013, the College of Applied Sciences was renamed the College of Engineering and Applied Sciences.

## **University Vision Statement**

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The vision of Arkansas Tech University is to be a student-centered university of choice.

## **University Mission Statement (adopted February 28, 2008)**

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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.

## **Graduate College Vision & Mission Statement (adopted January 2014)**

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The vision of the Graduate College of Arkansas Tech University is to empower students through advanced degrees to meet the demands of a global society through intellectual inquiry, scholarly attainment, artistic endeavors and creative pursuits within and across disciplines.

The mission of the Graduate College of Arkansas Tech University is to encourage a diversity of ideas in a climate of academic freedom and integrity. Advanced degrees are designed to complement and enhance undergraduate programs. The Graduate College is an advocate for graduate study and seeks partnership with other entities to accomplish our goals more efficiently. The Graduate College serves to nurture and preserve academic excellence by taking the lead in shaping policy and assisting faculty in guiding and mentoring graduate students in becoming accomplished and ethical scholars, researchers and practitioners in their disciplines.

## **Purpose of Graduate Program**

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The purpose of the graduate program is to provide graduate education opportunities in professional education, sciences, technology, and the liberal arts to anyone who seeks, and who is eligible for admission to the University.

Arkansas Tech University currently offers the following graduate degrees: Master of Arts, Master of Education, Master of Liberal Arts, Master of Science, Master of Science in Education, Master of Science in Nursing, Master of Engineering, and Educational Specialist in Educational Leadership.

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; Elementary Education; School Counseling and Leadership; and Teaching, Learning and Leadership. Programs in Secondary Education include secondary education specializations in Instructional Technology, and Physical Education.

The Educational Specialist degree in Educational Leadership prepares school leaders for district level leadership positions and leads to district level licensure in Arkansas.

The Master of Liberal Arts offers major concentrations in Communications, Fine Arts, and Social Sciences. It is designed to serve the graduate education needs not only of certified teachers, but of anyone interested in the post-baccalaureate study of the liberal arts, including professionals with specialized undergraduate backgrounds.

The Master of Arts in English, Teaching English as a Second Language (TESL), History, Teaching Middle or Secondary, and Teaching English to Speakers of Other Languages (TESOL) provide for more specialized study for students interested in these areas. It will also prepare those students interested in pursuing their doctorate.

The Master of Arts in Multi-Media Journalism offers professionals the opportunity to study journalism as impacted by the growth of technology.

The Master of Science in Business Administration program provides a graduate business alternative for students whose undergraduate preparation was a field outside of business administration. Students who wish to develop administrative



skills for their chosen career but who are not interested in completing a Master of Business Administration degree can opt for this program instead.

The Master of Science in College Student Personnel 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 a career in the variety of settings in which such services are needed. These include, but are not limited to, admissions counseling, advising, financial aid, orientation, housing, student programming, alumni affairs, and development.

The Master of Science in Emergency Management and Homeland Security offers a specialized program both for existing career professionals in the discipline and for those seeking the diverse employment opportunities available in this evolving career field.

The Master of Science in Fisheries and Wildlife Science offers a research-based program for those interested in the areas of fisheries and wildlife, and also serves in preparation for those pursuing the doctorate.

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.

The Master of Science in Information Technology provides for education in technology information management. This program has two options: (1) Computer-Based Instructional Technology in educational settings and (2) Information Technology in business settings.

The Master of Science in Psychology program is designed to provide advanced students with sufficient breadth and depth to function in a variety of professional environments.

The Master of Science in Applied Sociology program 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 Sociological Principles, a concentrated effort is also made to establish the foundation necessary for application.

The Master of Science in Strength and Conditioning Studies is designed to provide graduate level instruction in the theory and science of strength and conditioning. 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. Upon completion of this degree, students may pursue certifications such as the Personal Trainer or Strength and Conditioning Specialist (CSCS) by the National Strength and Conditioning Association (NSCA).

The Master of Engineering program is designed to provide for advanced study and opportunities in project management and team leader positions. The Master of Engineering has concentration areas in Electrical, Nuclear, and Mechanical Engineering.

The Master of Science in Nursing program is designed to provide advanced study for nurses in the area of administration & emergency management.

## **Philosophy of Graduate Program**

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Arkansas Tech University holds to the principle that graduate-level scholarship should be based on highly developed habits of critical judgment, independent thinking, creative initiative, and disciplined inquiry. Successful completion of the graduate program signifies that the student has acquired the research skills of an independent scholar, with expertise in a particular field of study.

The student admitted to graduate study at Arkansas Tech University should not expect to acquire these skills and to achieve this expertise through classroom and laboratory instruction alone; rather, the student should expect to draw upon independent resources to collect, organize, and synthesize research data and information in order to achieve scholarly expertise in the chosen field of study. Graduate study, then, aids the student to acquire the skills needed to identify important problems, to establish modes of inquiry, to formulate proposed solutions, and to communicate the interpretation of scholarly and research analysis.

## **Administration of Graduate Program**

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The graduate program is administered by the Graduate College Dean who is directly responsible to the Vice President for Academic Affairs. Policies governing the graduate program are developed by the Graduate Council; matters pertaining to the graduate teacher education program are reviewed and approved by the Teacher Education Council before being presented to the Graduate Council. Policies are then approved by the Vice President for Academic Affairs, President of the University, and the Board of Trustees.

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

## **Facilities Management**

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The facilities management of Arkansas Tech University is located on a tract of 516 acres near the northern boundary of the city of Russellville. Acreage provides space for varsity and intramural recreational activities, drill fields, and the University farm. The McClellan – Kerr Arkansas River Navigation System provides a freshwater lake which borders on the west edge of the campus.

All instructional programs are taught in buildings which have been specifically designed or modified to complement the projected instructional tasks. The Corley Building, expanded in 2009, provides instructional space and state of the art laboratories for engineering, computer science, and mathematics. McEver Hall, renovated and expanded in 2010, provides specialized classrooms and labs for Biological and Physical Sciences. Norman Hall, which was completed in 2007, houses the Department of Art and contains a gallery and specialized classrooms. Rothwell Hall houses Academic Advising, College of Business offices and classrooms, a trading room with a live Stock Market Ticker and Video Display Wall, and the Arkansas Small Business and Technology Development Center. Rothwell Hall was not only completed in Arkansas Tech's 100th year of operation (2009), but is also Tech's 100th building.

The College of Professional Studies and Community Outreach is located at our Lake Point Conference Center which was acquired by Tech in 2006. The Center for Leadership and Learning, an academic facility acquired in 2009, is directly across from the Lake Point Conference Center, on Highway 333.

Arkansas Tech University has several resources which lend themselves to serving the cultural and recreational needs of the University and surrounding community. The John E. Tucker Coliseum complements the instructional program by providing a modern setting for concerts, conventions, and sporting events. The Hull Physical Education building, renovated in 2001. The Witherspoon Arts and Humanities Building has a modern auditorium with a seating capacity of 742. The L.L. "Doc" Bryan Student Services Center constitutes the main facility for student services, student government, publications, and indoor recreational activities. The Arkansas Tech Museum, located in the Techionery Building, contains exhibits on archeology and early history of western Arkansas; museum lectures and events address cultural needs on the campus and in the community, and offer opportunities for students in the Parks, Recreation and Hospitality Department to become involved in interpretive activities.

Ross Pendergraft Library and Technology Center houses more than 1,195,000 items, including: 168,000 print volumes; 895,000 microforms; 115,000 government documents; 13,000 multimedia items; and 825 periodical subscriptions. Among these holdings are extensive back files of journals and newspapers. Photocopiers and microform reader-printers are available using the VendaCard system. The library is a member of AMIGOS/OCLC, a regional broker of international bibliographic data and information services. Over 140 electronic databases covering most subjects are accessible from the library and over the Internet through the Tech home page at <http://library.atu.edu>. Assistance in the retrieval and use of materials is provided by seven professional librarians, nine paraprofessional staff, and a number of part-time employees. Librarian-mediated instruction and online searches are provided on request. Materials not available in the library may be requested through our interlibrary loan system, normally at no charge. The Library is the publisher of the retrospective Arkansas Gazette Index.

Pendergraft Library is open 97 hours per week except between semesters and during holidays. The state-of-the-art facility includes a variety of computer labs (both open use and instructional), a music/multimedia lab, two distance learning classrooms, a large conference room, five breakout/meeting rooms, ten group study rooms, satellite downlink, cable TV connections, 135 publicly accessible computers, 132 lab computers, about 400 data drops for laptop computers, and access to the Tech wireless network.

## Fees and Charges

### Tuition and Fees

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Resident -- per credit hour <sup>1</sup>	\$249
Non-resident -- per credit hour <sup>1,2</sup>	498
Technology fee (required each semester or term)	130
Technology equipment fee (required each semester or term)	10
Assessment fee (required each semester or term)	12
Transcript fee (required each semester or term)	7
Instructional support fee (per credit hour)	5
Strategic Facilities Initiative fee (per credit hour)	10
Student support fee (per credit hour)	2
Student communication fee (per credit hour)	2
Health and Wellness Fee (per credit hour)	2

<sup>1</sup>Up to 14.00 (28.00 for out of state students) per credit hour of the tuition fee will be allocated to athletics.

<sup>2</sup> Information concerning residence status may be obtained from the Registrar's Office, Doc Bryan Student Services Center, Suite 153 (479) 968-0272.

### Course Fees

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Certain courses may also have fees attached. See individual course descriptions to determine whether a course fee is applicable.

### International Student Service Fee

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Per semester (fall/spring)	\$30
Per summer term	15

### Residence Hall Board Charges (Each Fall and Spring Semesters)

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19 meal-per-week plan (Plan A)	\$1,186
15 meal-per-week + \$200 Declining Balance Dollars (Plan B)	1,334
165 meals + \$200 Declining Balance Dollars (Plan C)	1,267
145 meals + \$230 Declining Balance Dollars (Plan D)	1,267
106 meals + \$250 Declining Balance Dollars (Plan E)	1,234
65 meals per semester plus \$100 Declining Balance Dollars- Commuter Plan (Plan F)	498

### Residence Hall Room Charges

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Baswell, Paine, South Hall, Nutt Hall, Stadium Suite-Doubles and M Street	\$1,939
Jones, Roush, and Tucker Halls	1,614
Brown, Caraway, Critz/Hughes, Turner and Wilson Halls	1,426
Vista Place	2,474
Stadium Suites & Nutt Hall Singles	2,339
Tucker Single	2,014
Wilson Single	1,826

### University Commons Apartments

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2 bedroom apartments (Each Fall and Spring Semesters)	\$3,074
4 bedroom apartments (Each Fall and Spring Semesters)	2,474

## Other Fees and Charges

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Late registration fee	\$25
Adding/dropping courses	10
Distance learning/Mixed Technology fee (per credit hour assessed on all distance learning/mixed technology courses)	5
Returned check	10
Replacement of ID card	25
Post Office box rent: Per Semester ( Fall/Spring)	15
Post Office box rent: Per Summer Term	7.50
Auto registration	30

Parking fees and fines (see Traffic Regulations)  
(All students parking on campus must have a parking permit)

## Food and Housing (Subject to changes as necessary)

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Graduate students are eligible to live in residence halls. Graduate students must carry a minimum of six (6) graduate hours. All students living in residence halls are required to purchase a meal plan; fifteen, nineteen-meals-per-week and declining balance meal plans are available during the fall and spring semesters. Declining Balance Dollars may be used in Chambers Cafeteria, Bas-Tech, and Convenience Store.

Residence halls are closed between fall and spring semesters. However, residents may remain in the residence halls during this period provided they submit proper paperwork to the Office 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.

All applicants for housing who are 25 years of age on or before October 1 of the academic year, will be required to meet with either the Director of Housing or the Dean of Students, in order to determine if it is in the best interest of the community and the individual for them to reside in housing designed for traditional age college students. Based on this meeting the Director of Housing or Dean of Students will recommend to the Vice President for Student Services to either not accept the housing application or to provide housing for the applicant in alternative campus owned housing.

## Payment of Accounts

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Tuition and all other fees and charges, including at least one-fourth of room and board charges for students in residence halls, are due and payable prior to the start of each term. Financial settlement may be made by personal payment or **AUTHORIZED** financial aid (loans, scholarships, grants, third parties, etc.). Visa, Master Card, and Discover credit cards are accepted for all charges. Information to set up a payment plan or pay in full online is offered via the web site: <http://stuacctts.atu.edu>. Payment may be made in person at the Student Accounts Office, Doc Bryan Student Services Center, Office 133. Registration is not complete until all financial obligations have been met satisfactorily. Failure to make financial settlement will 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. In addition, paper copies are mailed twice yearly shortly before the beginning of the fall and spring terms. 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 food service, 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

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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: <http://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, Tech 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**

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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**

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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 twenty-fifth 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 twenty-fifth day of the semester. No reduction in fees will be made after the fifth day of the semester.

## **Financial Aid**

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Three aid programs are available to graduate students: the Federal Perkins Loan Program, which provides a five-percent loan to eligible 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.fafsa.gov](http://www.fafsa.gov).

Additional information may be obtained at <http://www.atu.edu/finaid/> or by e-mail at [fa.help@atu.edu](mailto:fa.help@atu.edu). Priority deadlines are April 1 for summer, April 15 for fall, and November 1 for spring.

In addition to general requirements listed in the financial aid academic policy located at [http://www.atu.edu/finaid/docs/Academic\\_Policy.pdf](http://www.atu.edu/finaid/docs/Academic_Policy.pdf), graduate students receiving federally funded financial aid must meet the conditions listed below in order to remain eligible for financial aid:

1. Students must earn 67% of hours attempted. Therefore, a student who enrolls in nine (9) hours must pass six (6) hours to attain the 67%. If only three (hours are passed the percentage is 33% and the student is ineligible for aid.
2. Students must maintain a cumulative 3.0 GPA on graduate courses.
3. Students must complete the degree by the end of 54 attempted hours.

## **Graduate Assistantships**

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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. Applications can be found online at [Graduate Assistantship Application](#). The Graduate College will accept and forward all applications for assistantships to the appropriate program director or supervisor. Available assistantships will be posted and updated accordingly throughout the academic year. Student inquiries regarding specific positions should be directed to the Graduate College. Additionally, it is the responsibility of the applicant to pursue possible positions through the Graduate College and posted openings.

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 each summer session, the student may enroll in a maximum of six (6) credit hours per summer term. 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.

## **Out-of-State Residence Status for Tuition and Fee purposes**

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All graduate students classified as “out-of-state” must pay out-of-state tuition as shown in the section entitled “Fees and Charges.”

All graduate students who are legal residents of states which are contiguous to Arkansas (specifically, Louisiana, Mississippi, Missouri, Oklahoma, Tennessee, or Texas) shall receive a waiver of out-of-state tuition charges.

A student from outside of Arkansas entitled to be treated as an instate student for fee purposes should complete an “Application for Residency Classification as Instate Domiciliary” and supply evidence to that effect.

## **Scholarships**

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The scholarships listed below have been established by the alumni and friends of Arkansas Tech University in order to afford students the ability to pursue their goals of earning a degree in higher education. Applications for Private and Transfer Scholarships can be obtained from the Admissions Office or Financial Aid Office in the Doc Bryan Student Services Building. Applications should be submitted by March 15.

### **Jimmie Hartman Hoover Memorial Scholarship**

An endowed scholarship created for the purpose of assisting graduate students at Arkansas Tech University and will be awarded each year the funds are sufficient. To be considered for this scholarship the applicant must be a full-time graduate student who is admitted in the Instructional Technology degree program with a cumulative grade point average of 3.0 or higher. Preference will be given to students who have an interest in library media. In addition, financial need may be considered. The recipient will be selected by a committee appointed by the Dean of the Graduate College.

### **Dr. Richard Ihde Emergency Management Communications Scholarship**

This scholarship was established by friends and family of Dr. Richard Ihde to benefit a student majoring in Emergency Management. The scholarship will be awarded each year that funds are available to a full-time graduate or undergraduate student who is in good academic standing. Applicant must demonstrate financial need. In addition to the scholarship application and letters of recommendation, the applicant must submit a 500-word essay on the topic of the importance of communication in emergency management.

### **Ed Leachman Emergency Management Scholarship**

Through the generosity of Roy and Sandy Smith, this scholarship was established to honor Mr. Ed Leachman, former assistant professor of Emergency Management. The recipient of this award must be an undergraduate or graduate student at Arkansas Tech University pursuing a degree within the Department of Emergency Management. The recipient must be active in the International Association of Emergency Managers and demonstrate financial need. Applicants must submit a statement as to how the scholarship will help him/her reach career goals.

### **Rexann Oller International Studies Scholarship**

The Rexann Oller International Studies Scholarship will be awarded each year to a student who shows academic achievement in international affairs and/or strong background and interest in international relations. This scholarship is open to all Arkansas Tech undergraduate and graduate students who have a minimum GPA of 3.0. Preference will be given to students with demonstrated financial need. Recipients of other tuition scholarships are not eligible to apply. Application deadline is March 15. Please contact the Office of International and Multicultural Student Services for full application requirements.

### **Tate C. “Piney” Page Memorial Athletic Scholarship**

An endowed scholarship to assist a graduate assistant who excelled in football and academics has been established in memory of Dr. Page through contributions by the Russellville Kiwanis Club. Applications should be made to the Arkansas Tech Athletic Director.

### **Lambert Resimont Scholarship**

An endowed athletic scholarship to be awarded annually to a graduate assistant who excelled in basketball and academics. Students interested in applying should contact the Arkansas Tech Athletic Director.

### **John Rollow Memorial Fund**

Established as a tribute to John Rollow to assist non-traditional students in English and Creative Writing with tuition expenses. This scholarship is open to any non-traditional undergraduate or graduate student with demonstrated financial need and a cumulative grade point average of 2.5 or better. Application should be made to the Department of English.

### **John E. Tucker Memorial Scholarship**

An endowed athletic scholarship awarded to a graduate assistant who excelled in football and academics. Applications should be made to the Arkansas Tech Athletic Director.

### **Jim Ed McGee Graduate Honors Award**

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

#### **ELIGIBILITY**

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

#### **CRITERIA FOR SELECTION**

- Minimum 3.75 cumulative graduate grade point average
- Résumé
- Advisor nomination letter and two (2) other professional recommendation letters
- Applicant submission of 500 word narrative including the following information:
  - Outline of current position and description of the impact the applicants degree had on current position
  - Description of major accomplishment in degree work and current position; supporting document(s) as evidence of accomplishment may be attached
  - Description of the applicants continued involvement/contribution to Arkansas Tech University

#### **NOMINATION**

Student must be nominated by their faculty advisor. A letter of nomination must accompany the packet submitted to the Graduate College.

#### **SELECTION**

A panel of reviewers, consisting of the Graduate Director of Support Services, two (2) graduate faculty members, and the last year's Jim Ed McGee Award recipient will review the candidates for the Jim Ed McGee Graduate Honor Award. The panel will rate the candidate applicants based on the award selection criteria.

\*A personal interview may be required.

#### **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 Tech, regardless of major, during the current award cycle. Students should submit a scholarly paper written during the current award cycle in a History class at Arkansas Tech. Specific Submission Guidelines are available from Department of History and Political Science.

## Services for Students

### International and Multicultural Student Services

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The International and Multicultural Student Services Office provides support services designed to enrich the college experience for multicultural and international students. The office actively recruits multicultural and international students to increase the diversity of the Tech campus, provide the opportunity for cultural exchange, and aid in helping all Tech students develop an appreciation for 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.

Several established student organizations receive support from the International and Multicultural Student Services Office, including the Black Student Association, the Chinese Student Association, the Hispanic Student Association, the Indian Student Association, the Japanese Student Association, the Saudi Student Association and the Association for Cultural Interaction. Working together, programs are developed and sponsored throughout the year to educate faculty, staff and students regarding international and multicultural heritage.

Additional information may be obtained by calling (479) 964-0832, faxing (479) 880-2039, or writing to the Director of International and Multicultural Student Services, Tomlinson Room 29, Arkansas Tech University, Russellville, Arkansas 72801, U.S.A.

### English Language Institute

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The mission of the ATU English Language Institute (ELI) is to provide classes that assist non-native speakers of English in developing the English language skills necessary to successfully pursue academic work in a United States college or university. The ELI accomplishes the mission by delivering non-credit English as a Second Language (ESL) academic reading, writing, speaking and note-taking instruction for English language deficient students. As part of the Department of English and World Languages, ELI welcomes students from diverse backgrounds whether international or U.S. resident. Additional information may be obtained by calling (479) 964-3272, faxing (479) 880-2039, or writing to the Coordinator of the English Language Institute, Tomlinson Room 011, Arkansas Tech University, Russellville, Arkansas 72801, U.S.A.

### Veterans Benefits

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Arkansas Tech University is approved by the State Approving Agency for Veterans as a school (college, university, etc.) whereby veterans and dependents of deceased or disabled veterans may obtain subsistence while working toward a degree. Eligible students should contact the Office of Veteran Services to obtain information regarding school attendance under the following program: Title 38, Chapter 30, Montgomery GI Bill for Veterans; Title 38, Chapter 32, Veterans Educational Assistance Program (VEAP); Title 38, Chapter 33, Post-9/11 GI Bill; 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. Veterans may be given placement credit for prior military training. The Office of Veteran Services is available to assist students concerning VA benefits. The Office of Veteran Services is located in the Doc Bryan Student Services Center, Office 163.

Enrollment certification will not be sent to the Department of Veteran's Affairs until transcripts are on file and the person applying for veteran's benefits has been admitted to the University.

### University Bookstore

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The Arkansas Tech University Bookstore is located in the Young Building. Textbooks, study guides, school supplies, computer software, caps and gowns for graduation, in addition to other items may be purchased.

A full refund will be given on new or used textbooks until the end of the 3rd class day. The following conditions will apply:

1. You need your cash register receipt and Tech ID.
2. Your new textbooks must be returned in brand new condition with no bent corners or water damage.
3. Wrapped or boxed textbooks must be unopened.



## Textbook Refund Policy

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An extended period for refunds is available to students who drop a class or withdraw from school. Specific dates will be posted each semester. Students must have a withdrawal slip and receipt. Returns are not allowed on study guides, workbooks, cliffnotes, wrapped or boxed merchandise that is opened, etc. The manager reserves the right to make the decision on the condition or salability of the merchandise.

## Buy Back Policy

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Students may sell their textbooks for cash at the bookstore during examination week. Fifty percent of the new price will be paid to the student if the bookstore has received a request from the instructor stating the textbook will be used the following semester, the textbook is in good condition (no water damaged books will be bought back), and the bookstore is not overstocked. Select textbooks not bought at the Campus Bookstore may have less value than 50% of the new price. Textbooks with a new edition pending may be bought back at less than 50 percent of new price. Current market value will be paid on current editions not used or needed for the following semester on campus. A current Tech ID is required to sell books back. The bookstore does not guarantee the buy back of any textbook at any time.

Additional information concerning the University Bookstore may be obtained by visiting their web site at <http://bookstore.atu.edu>, by calling (479) 968-0255, by faxing (479) 964-0861, or by e-mailing [bvaughan@atu.edu](mailto:bvaughan@atu.edu).

## Traffic Regulations

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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 Tech 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 Doc Bryan Student Services Building or at the Department of Public Safety office.

Registration of vehicles shall be accomplished at the time of regular registration for the fall, spring, or summer semesters at the Department of Public Safety located at 1508 North Boulder. All faculty, staff, and students must present a current Tech ID card before a parking permit will be issued. All vehicles on Tech 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.

Parking permits are valid from August 15th one year through August 15th of the next year. After securing a parking permit at the Department of Public Safety, charges are assessed to the student's account at the Office of Student Accounts. Faculty and staff are required to prepay and bring their receipt along with their ID when picking up their parking permit. Parking permits must be displayed by hanging in 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 parking permits can be moved from vehicle to vehicle. Parking 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 parking permit per individual can be purchased unless the prior parking permit was lost or stolen. The reported lost or stolen parking permit will be invalid. There is no refund for parking 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.

## Health and Wellness Center

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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 Dean Hall Room 126 (entrance on north side of the building), 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.

Patient Hours are Monday-Friday, 8:00 am-5:00 pm. Students are strongly encouraged to make appointments; however, available walk-in times are from 3:00 pm - 4:00 pm on Monday, Wednesday, and Friday. The Health and Wellness Center staff can be contacted by phone at 479-968-0329, email at [hwc@atu.edu](mailto:hwc@atu.edu) or online at [www.atu.edu/hwc](http://www.atu.edu/hwc).

## Student Accident and Health Insurance

Arkansas Tech cooperates with a number of other higher educational institutions in Arkansas to make available a student group insurance policy. Students not adequately covered by an individual or family group insurance policy may purchase this policy at the beginning of any semester. Students may contact the Health and Wellness Center for more information. All international students are required to purchase a medical insurance plan that satisfies the requirements of the Office of International and Multicultural Student Services.

## Disability Services for Students

The Office of Disability Services (DS) facilitates services and accommodations that enable students with disabilities to access the same opportunities as their peers with the greatest degree of independence possible. Students who require accommodations are encouraged to contact DS in order to assess the student's needs and prepare a tailored plan of accommodation specifically addressing barriers to academics, activities, or access to facilities.

The Director of DS is responsible for interfacing with students seeking accommodations, obtaining disability related documents, certifying eligibility for services, determining reasonable accommodations, and developing an accommodation plan for students. Offices are located in the Doc Bryan Student Services Building, Suite 171. Students may schedule an appointment by calling (479) 968-0302, (479) 964-3290 (TTY), or by email at [utds@atu.edu](mailto:utds@atu.edu).

## University Testing Center

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The University Testing Center provides services which assist in the recruitment, retention, and graduation of students.

Testing services include providing registration information and materials and administering examinations such as the American College Test Assessment (ACT), Graduate Record Exam (GRE), Law School Admission Test (LSAT), Miller Analogies Test (MAT), Professional Assessments for Beginning Teachers (Praxis) and others. Test registration bulletins and preparatory materials are available online for many exams. Tests that will allow an individual to earn college credit by attaining the qualifying score established by Arkansas Tech University are also administered and include Advanced College Placement (AP), College Level Examination Program (CLEP), National League for Nursing (NLN) and Arkansas Tech examinations. Arkansas Tech University placement exams include the Residual ACT and the Computer Adaptive Placement Assessment & Support System (COMPASS). Tests that require payment must be paid in advance at Student Accounts located in the Doc Bryan Student Services Center.

The University Testing Center is located in Doc Bryan, Suite 171 and may be reached by calling 479-968-0302 or fax 479-968-0375. For additional information, students may visit <http://www.atu.edu/testing>.

## Norman Career Services

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The Norman Career Services office provides a variety of resources for students and alumni both on-campus and through the website at [www.atu.edu/career](http://www.atu.edu/career). Beginning with their freshman year, all students are encouraged to take self-assessments through FOCUS 2 so that they can explore their career options and engage in discussions with their career counselor, mentors, and peers about their interests and abilities. The Career Services staff is available for private appointments to assist students with their career goals, resumes, cover letters, and personal marketing plans. Additionally, outreach programs to students include professional development workshops, classroom visits, custom student organization workshops, and employer events.

Employers partner with the Norman Career Services office to post part-time, full-time, and internship positions on the website as well as arrange for additional opportunities to grow their on-campus presence. Events such as career fairs, information sessions, and interviews are all arranged through Career Services to ensure that Arkansas Tech University graduates are given every opportunity for success while becoming well-informed and prepared to enter the workforce.

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

## Academic Information

### Admission to Graduate College

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Individuals who meet the admission requirements listed below may apply to Arkansas Tech University. The University reserves the right to reject the application of any individual. Every student must file an application for admission. An application for admission to graduate study may be obtained by contacting the Graduate College or going online to <http://www.atu.edu/gradcollege/>. 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.

Dr. Mary B. Gunter, Dean  
Tomlinson Hall, Room 113  
Phone: (479) 968-0398  
Fax: (479) 964-0542

Detailed information regarding graduate student admissions may be obtained by contacting: Graduate College, 1507 North Boulder Avenue, Tomlinson 113, Russellville, AR 72801. Phone (479) 968-0398, fax (479) 964-0542, or go online to <http://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) semester; applicants who do not enroll during the semester 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.

Tech 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 the Disabilities Director, Doc Bryan, Room 171, or call (479) 968-0302. The Disabilities Director 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 Arkansas Tech University 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 two (2) MMR immunization shots to the Tech 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

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Admission applicants must:

1. Applicants must pay a \$25.00 nonrefundable application fee directly to the Graduate College.\*
2. Applicants must hold a bachelor's degree from an accredited college verified by an official transcript.
3. Applicants must have a cumulative grade point average of 2.5 or a 3.00 on the last 30 hours of undergraduate work or hold a graduate degree from a regionally accredited institution.
4. Applicants must request a complete undergraduate official transcript from their bachelor's awarding institution sent directly to the Graduate College. Mail all materials to: Graduate College, 1507 North Boulder Avenue Tomlinson 113, Russellville, AR 72801.
5. Applicants must meet additional admission requirements specified by programs in the graduate catalog (GRE, writing samples, etc.).

\*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. 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 a new application fee.

### Conditional Admission for Entering Graduate Students

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Applicants may be admitted conditionally if they:

1. Do not meet the grade point requirements.
2. Hold a bachelor's degree from an unaccredited institution.
3. Have not met additional requirements of particular programs.
4. Have not submitted all necessary documentation prior to initial enrollment.

Applicants who fail to meet the grade point requirement specified for 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.

An applicant who satisfies the grade point requirement at an unaccredited college may also be granted conditional admission. In some instances, transcripts may be judged to be deficient and the student may be required to complete up to thirty (30) 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.

## Former Graduate Students

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Students who have interrupted their attendance at Arkansas Tech University for at least one semester (summer excluded), but who are academically eligible to continue in a graduate degree program must reapply for admission. Students who are seeking readmission after suspension or dismissal will be formally reviewed by the Graduate Dean, who will determine admission eligibility.

## Transfer Graduate Students

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Transfer students seeking admission to Arkansas Tech University'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 Tech graduate program.

## Non-Degree Admission

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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 official 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.

## Transient Admission

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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

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The International and Multicultural Student Services Office (IMSSO) is pleased to assist International students who wish to study at Arkansas Tech University (Tech). 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. International students interested in applying for admission to Tech must submit the following documents:

1. Application - An application for international admission, properly completed.
2. Application Fee - A nonrefundable application fee of \$50 USD (separate payment if possible).
3. Graduate College Fee - A nonrefundable application fee of \$25 USD (separate payment if possible).
4. Academic Records - All transcripts must be originals or school-certified copies of originals with official English translations. Notarized copies are not accepted. All applicants should submit evidence of the completion of a 4-year bachelor's degree program. Documents submitted should include detailed grade/mark sheets, as well as, a certificate/diploma providing evidence the degree was awarded. If a consolidated mark sheet is available, please send this documentation as well. Official transcripts should be submitted from all colleges/universities where a student has been officially registered.
5. Entrance Exam - Each individual degree program has varying requirements for admission. Not all programs require GRE or MAT scores. However, if such scores are available, please request original copies of these examinations are sent directly to Arkansas Tech University. The school code for Arkansas Tech University is 6010.

6. English Proficiency - Students who wish to apply for admission to the English Language Institute (ELI) are not required to demonstrate English proficiency. All other applicants should submit official documentation of meeting one of the following standards:
  1. A minimum score of 550 on the written TOEFL (Test of English as a Foreign Language), 213 on the computerized TOEFL or 79 on the Internet-based TOEFL. Scores must be received directly from the Educational Testing Service (ETS). The school code for Arkansas Tech University is 6010.
  2. A minimum score of 6.5 on the International English Language Testing System (IELTS). An official score card must be sent directly to Arkansas Tech University.
  3. An EIKEN score of Grade Pre-1. Scores must be sent directly from STEP, Inc. (Society for Testing English Proficiency).

NOTE: Test scores are only valid for two years. Please submit only those scores taken within two years from the time of application.
7. Evidence of Sufficient Financial Support - Graduate costs are estimated at \$15,444 USD for nine (9) months of study including tuition and fees, housing, meals, books, and other living expenses. Applicants must provide certified evidence of the source and amount of funding that will be utilized to support educational expenses. Documents must be official and issued within the six (6) months previous to the time of application. No copies are accepted.
8. Passport - Please provide a photocopy of your current passport as well as any previous visas to the US, I-20's and an I-94 card if available.
9. Program Requirements - Please check the catalog pages for the degree program of interest for the possibility of additional requirements needed to complete the application for admission.

The application for international admission and all supporting documents should be submitted by May 1 for the fall semester, October 1 for the spring semester, and March 1 for both summer sessions for priority consideration. Applications are still accepted after the priority dates. 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 to IMSSO along with the fee and updated financial support documentation 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. Tech 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 the International and Multicultural Student Services Office, Tomlinson 29, Arkansas Tech University, Russellville, Arkansas, 72801-2222, USA; telephone (479) 964-0832; fax (479) 880-2039; web <http://www.atu.edu/imssso>.

## Undergraduate Senior Admission

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An undergraduate senior, registering the semester prior to graduation in a baccalaureate degree program at Arkansas Tech University, 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. Graduate work taken while classified as an undergraduate senior appears on the undergraduate transcript. 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.

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.

## Second Master's Degree

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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 Arkansas Tech University. Approval for applying these courses must be received at the beginning of the second master's degree program.

## **Transfer of Graduate Credit**

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### **Graduate Credit Taken Prior to Admission to Arkansas Tech University**

A maximum of 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 Dean of Graduate College. 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 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 Dean of Graduate College.

## **Catalog Privilege**

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Candidates for a master's degree may choose to complete requirements under the regulations published in the Tech graduate catalog for the year of initial enrollment in the graduate program at Arkansas Tech University 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**

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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 Load**

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Graduate students may enroll for a maximum of twelve (12) hours of credit per semester during the academic year and six (6) hours of credit during each of the two summer terms. 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 a regular semester or five (5) hours during a summer term. 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 students. Permission to take more than the maximum loads stated above requires the written approval of the students advisor, program director, and Dean of Graduate College.

## **Adding and Dropping Courses**

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Changes in the class schedule must be made on official forms available at the Registrar's Office, Room 153, Doc Bryan Student Services Building. 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.

## **Grading and Credit Point System**

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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, I, CR, and R 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. A 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 complete an "Incomplete Grade Contract," setting a reasonable time limit within the following semester in which the work must be completed. The incomplete grade contract is to be signed by both the instructor and student. 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.

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.

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## 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.

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## 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 Dean of Graduate College.

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## Removal of "I" Grades

An "I" grade must be removed by the end of the succeeding regular semester of enrollment after the "I" is received. 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 automatically change to a grade of "F" and be computed in the grade point average 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" in the grade point average unless the "I" is removed.

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## 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.

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## 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 Dean of Graduate College 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.

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## 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.

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## Incompletion of Capstone Projects

Students enrolling in capstone projects such as the project in educational research, the liberal arts project, or thesis research will be 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.

## Academic Probation and Dismissal

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A student admitted unconditionally or a student who has been admitted to candidacy will be placed on probation for the following semester if the cumulative grade point average drops below 3.0. If the semester grade point average for the following semester is 3.0 or greater and results in a cumulative grade point average greater than 3.0, the student will be removed from probation. If the cumulative grade point average remains below 3.0, the student will continue on probation. A student on probation having a semester grade point average below 3.0 for the following semester will be subject to suspension from Graduate College.

A student who is admitted conditionally or on a non-degree basis will be subject to suspension from Graduate College after attempting twelve (12) semester hours with less than a 3.0 grade point average.

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 the Director of Graduate Support Services prior to registering for the subsequent semester. A student who has a semester grade point average below 3.0 must meet with the Graduate College Dean 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 not be eligible to participate in early registration.

Students with a grade point average below 3.0 may not be admitted into candidacy. A student who has been admitted to candidacy but does not have a 3.0 grade point average at the time of completing the minimum number of hours required by the degree program may submit no more than six (6) additional hours in an attempt to attain a grade point average of 3.0. A maximum of six (6) hours of courses with grades of "C" may be applied to degree requirements. Grades below "C" will not be counted toward meeting degree requirements. A student may not submit more than six (6) hours above the total number of hours required for the program to reach the 3.0 grade point average. All graduate courses taken will be considered in the computation of the grade point average.

Academic suspension means the student may not attend Arkansas Tech for one academic year. A student suspended from Graduate College may reapply for admission after one year. Reinstatement to Graduate College will not necessarily mean reinstatement to a particular graduate program. Readmission does not reestablish financial aid eligibility.

A students' lack of Academic Progress may result in dismissal with no option to be reinstated.

## Academic Dishonesty/Academic Misconduct

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A university exists for the purpose of educating students and granting degrees to all students who complete graduation requirements. Therefore, Arkansas Tech University requires certain standards of academic integrity and conduct from all students. Arkansas Tech University expects an academic atmosphere to be maintained in all classes. This atmosphere is created by both the professor and the class to enable all students enrolled to reach their academic potential. Students are expected to attend class, conduct themselves in a non-disruptive manner in class, and refrain from cheating, plagiarism, or other unfair and dishonest practices. Students should also realize the classroom is under the control of the professor who will give students a statement of his or her classroom policies in a syllabus at the beginning of the semester.

Academic offenses involving dishonesty and misconduct are defined in the Definitions section. These definitions are not all inclusive, and conduct not expressly set forth in the definitions may also be considered academic dishonesty or academic misconduct.

### A. Definitions

**Academic Dishonesty.** Academic dishonesty refers to the various categories of cheating and plagiarism in the classroom.

1. Cheating on an examination, quiz, or homework assignment involves any of several categories of dishonest activity. Examples of this are: a) copying from the examination or quiz of another student; b) bringing into the classroom notes, messages, or crib sheets in any format which gives the student extra help on the exam or quiz, and which were not approved by the instructor 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 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.
2. Plagiarism is stealing the ideas or writing of another person and using them as one's own. 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. Acknowledgement of source must be made in this case as well.

**Academic Misconduct.** Academic misconduct concerns the student's classroom behavior. This includes the manner of interacting with the professor and other students in the class. For example, students may disrupt the learning environment in a classroom through inappropriate behavior, such as, talking to students, unnecessary interruptions, attempting to monopolize the professor's attention, or being chronically late to class. Misconduct also covers verbal or nonverbal harassment and/or threats in relation to classes. Student behavior should not infringe on the rights of other students or faculty during a class.

## **B. Procedure for Charges of Academic Dishonesty**

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 and the evidence supporting the charge. Penalties for various levels of academic dishonesty vary from giving an 'F' on a particular 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 program director (or Graduate Dean if the professor is a 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 program director (or Graduate Dean if the professor is a program director; in which case, skip steps 4 and 5). The student may remain in class during the appeal process.
4. If the student is still dissatisfied after meeting with the program director, he or she should make an appointment 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.
6. The student should then submit a written appeal to the Chair of the Graduate Academic Appeals Committee.
7. If the Academic Appeals 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 Graduate Academic Appeals Committee and 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 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 three-day appeal period.
8. The student shall have the right to appeal the decision of the Academic Appeals Sub-Committee by filing a Notice of Appeal with the Office of the Vice President for Academic Affairs within three (3) working days of receiving notification of the sub-committee's decision of the Chair of the Sub-Committee. The decision of the Vice President for Academic Affairs will be final.
9. If the Academic Appeals Sub-Committee determines academic dishonesty has not occurred or 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, program director, and professor to facilitate the return of the student to class without penalty. The program director will notify the student of the decision.

## **C. Procedure for Charges of Academic Misconduct**

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. Extreme incidents of academic misconduct, in which the student becomes verbally or physically abusive in class will be dealt with immediately by asking the student to leave the class. If the student refuses to leave, Campus Security personnel will be called to remove the student, and the Dean of Students will also be informed of the behavior.
2. If the student ignores the professor's requests to discuss the behavior, it is considered 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 from the class where the warnings were given. Within 24 hours of the interim suspension, a notification will be sent to the Chair of the Graduate Academic Appeals Committee by the program director.
4. The Graduate Academic Appeals Sub-Committee will be appointed and a hearing conducted by the Graduate Academic Appeals Sub-Committee will be conducted within three (3) working days after the date of the notification of interim suspension.
5. On the same date the notification of suspension is sent to the Chair, the student will be advised by the program director that he or she has the right to submit a written statement to the Graduate Academic Appeals Sub-

Committee, addressing the alleged incident of academic misconduct. The student's written statement as well as the professor's written statement shall be delivered to the Chair of the Graduate Academic Appeals Committee at least 24 hours prior to the hearing.

6. The Graduate Academic Appeals Sub-Committee will consider the written statements of the professor and the student involved in the incident of academic misconduct. The 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 Graduate Academic Appeals Sub-Committee. The Sub-Committee has the right to pursue further information from the professor, program director, and student.
7. If the Graduate Academic Appeals 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 Graduate Academic Appeals Committee and 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 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 three-day appeal period.
8. The student shall have the right to appeal the decision of the Graduate Academic Appeals Sub-Committee by filing a Notice of Appeal with the Office of the Vice President for Academic Affairs within three (3) working days of receiving notification of the sub-committee's decision from the Chair of the Sub-Committee. The decision of the Vice President for Academic Affairs will be final.
9. If the Graduate Academic Appeals Sub-Committee determines academic misconduct has not occurred or 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, program director, and professor to determine the course of action to be followed and the status of the student in regards to the class in question. The program director will notify the student of the decision.

## Appeals Procedures

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### Composition of Committee

1. The Graduate Academic Appeals Committee is an official committee of Arkansas Tech University and will be formed each year as a pool of qualified faculty and students to hear student academic honesty and misconduct appeals. At the beginning of fall term, the Graduate Dean will appoint one graduate faculty member from each college; the program director will appoint one graduate student from each college. The faculty on the committee will elect a Chair.
2. These faculty and students will form a pool of 15, from which a subset can be drawn to serve on a subcommittee hearing a specific case.
3. When a student appeal of a decision concerning academic dishonesty or academic misconduct is filed with the Chair of the Graduate Academic Appeals Committee, the Chair shall select a three-person sub-committee from the pool of 15 composed in the following manner: one faculty member from the college in which the department involved in the appeal is located, one faculty member from the college in which the student is enrolled as a major, and one student.

## Students Rights

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If a student feels unfairly treated in regard to grades, grading, or treatment by the professor or other students within the classroom, the student should address these concerns in the following manner:

### Informal Process

1. Make an appointment to speak with the professor of the class to discuss the problem. Students must begin with the professor of the class, as many problems can be worked out satisfactorily with a simple discussion.
2. If the student is still dissatisfied after discussing his or her problem with the professor of the class, an appointment should be made with the director of the program in which the course is taught. The program director will seek satisfactory resolution of the problem with both the student and professor.
3. If the student is still dissatisfied, an appointment should be made with the Graduate Dean. The dean will again seek resolution, and failing satisfactory resolution, will point out to the student the appropriate appeals process for the student's complaint.

### Formal Process

1. If the student complaint involves an assigned grade, the student will follow the Appeal of Academic Grade procedure as outlined in the *Student Handbook*.
2. If the student wishes to pursue an appeal based on a grade associated with a charge of academic dishonesty further than the Graduate Dean, the student may file an appeal within three working days according to the outlined procedure for the Graduate Academic Appeals Committee.

3. Final appeals, whether informal or formal, will be passed by the Graduate Dean to the Vice President for Academic Affairs for final decision, if necessary.

## Assessment Program

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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.

## The Family Educational Rights and Privacy Act

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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.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day Arkansas Tech University receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the school to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the school decides not to amend the record as requested, the school will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The school discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by Arkansas Tech University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of Arkansas Tech University who performs an institutional service of function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Arkansas Tech University.

Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arkansas Tech University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW Washington, DC 20202

See the list below of the disclosures that Arkansas Tech University may make, without consent, under this federal law.

FERPA permits the disclosure of PII from student's education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to

inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student -

- To other school officials, including teachers, within Arkansas Tech University whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B) (1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. §99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information the school has designated as "directory information" under §99.37. (§99.31(a)(11)).
  - "Directory information" at Arkansas Tech University consists of the student's name, electronic mail address, dates of attendance, major field of study, enrollment status (e.g. undergraduate or graduate), participation in officially recognized activities and sports, weight and height of members of athletic teams, degrees, honors and awards received, and the most recent educational agency or institution attended.
  - "Dates of attendance" as used above means the period of time during which a student attends or attended an educational agency or institution. Examples of dates of attendance include an academic year, a spring semester or a first quarter. The term does not include specific daily records of a student's attendance at an educational agency or institution.
  - This information may be made available upon request to members of the general public.
    - **If a student on the Russellville campus wishes for this information to be regarded as confidential, according to the provisions of the Family Educational Rights and Privacy Act of 1974, she/he should notify the Chief Student Officer at (479) 508-3310.**
    - **If a student on the Ozark campus wishes for this information to be regarded as confidential, according to the provisions of the Family Educational Rights and Privacy Act of 1974, she/he should notify the Chief Student Officer at 479-667-3433.**
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))

- To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

## University Policy

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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

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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

## Candidacy

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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

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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.

## Financial Obligation

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

## Commencement

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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 academic regalia.

Diplomas are mailed to graduates following commencement.

## Absentia Graduation

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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.

## Master's Thesis

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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.

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 at [Thesis Preparation Guide](#).

The candidate's thesis committee will be appointed by the program director in consultation with the student's department head. 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. The Topic Approval Request form is found under Student Resources at [Thesis Topic Approval Form](#).

The thesis may be completed 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. The final copies of the thesis and abstract, in acceptable form, along with a report of the oral examination, must be filed with the Dean of Graduate College no later than two (2) weeks prior to the date of graduation; if revisions are required graduation may be deferred to the following semester.

Student's 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.

Two (2) copies of the thesis are required. The first copy is for the library and the second copy is for the major department. Additional copies may be submitted for personal retention by the student. The cost of thesis binding will be borne by the student. Authentic signatures (not photocopies) by each member of the student's advisory committee are required on each approval sheet submitted with the thesis.

Each candidate shall prepare a thesis abstract of not more than 350 words. Two (2) copies of the abstract will be submitted with the two (2) copies of the thesis.

An oral defense of the thesis is required. It will be conducted by the thesis committee. 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.

## Portfolio

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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.

Three (3) copies of the portfolio are required. One copy is for the Center for Leadership and Learning, and the other copies are for the portfolio committee members. An oral review of the portfolio is required. The oral review will be in compliance with Arkansas licensure requirements.

## Degree Completion Requirements

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1. Obtain from the University an official statement of admittance to graduate study.
2. Develop a planned program of studies (including determined prerequisites) under supervision of designated faculty advisor, with any subsequent modifications approved by advisor and program director.
3. Apply for admission to candidacy after completion of twelve (12) hours.
4. Complete course work for the degree.
5. Successfully complete a thesis, portfolio, comprehensive exam, internship, or research project as set forth in this catalog.
6. Submit an "Application for Graduation" form. This must be done during the first week of the semester or term in which the degree work is to be completed.
7. Complete the degree within six (6) years from the time unconditional or conditional admission to the program was granted.
8. See specific degree programs for special requirements.

## Master of Education

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; Elementary Education; School Counseling and Leadership; Teaching, Learning and Leadership. In Secondary Education, with secondary education specializations in Instructional Technology, and Physical Education.

Dr. Sherry Field, Dean  
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(479) 964-3217  
sfield@atu.edu  
Fax: (479) 964-0811

The Master of Education degrees in education leadership, school counseling and leadership and teaching, learning and leadership are housed in the Center for Leadership and Learning under the direction of the Graduate Dean.

### Unconditional Admission

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Students are eligible to apply for unconditional admission to the Master of Education degree program if they meet the admission requirements for Graduate College, and meet the degree requirements listed for each program.

### Conditional Admission

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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

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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 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 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

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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

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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

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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

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### Graduate Credit Taken Prior to Admission to Arkansas Tech University

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 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 Dean of Graduate College.

## Project in Educational Research

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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 Elementary Education

The Master of Education in Elementary Education is designed to provide post baccalaureate preparation for public school teachers who wish to broaden their knowledge of teaching and learning as well as subject matter content.

Dr. David Bell, Head  
Crabaugh Hall, Room 210  
(479) 968-0392  
dbell@atu.edu

## Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in Elementary Education 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.

## Degree Requirements

1. Candidates for the Master of Education degree with a major in elementary education must complete the 36 semester hour degree program. Candidates for the Master of Education degree with a major in elementary education special education option must complete the 36 semester hour degree program.

### Elementary Education Core Requirements (15 hours)

[EDFD 6003](#) Educational Research  
[EDFD 6043](#) Current Issues in Human Learning  
[EDFD 6053](#) The At-Risk Child in the School Environment  
[EDFD 6313](#) Principles of Curriculum Development  
[EDFD 6993](#) Project in Educational Research

### Elementary Education Option (21 hours)

[EDFD 6203](#) Supervision of Instruction OR  
[EDFD 6503](#) Classroom and Behavioral Management  
[EDFD 6403](#) Social and Historical Factors in Education  
[ELED 6523](#) Survey of Research in Elementary Education  
Electives: Additional elementary education electives to meet the 36-hour degree requirement.

### Special Education Option (21 hours)

[EDFD 6503](#) Classroom and Behavior Management  
[ELED 6343](#) Literacy Assessment and Intervention  
[SPED 5003](#) Characteristics Children with Exceptionalities  
[SPED 5013](#) Assessment and Design (Birth-4th grade)  
[SPED 5023](#) Planning Instruction for Children with Exceptionalities  
[SPED 5033](#) Working with Families of Children with Exceptionalities  
[SPED 5043](#) Supervised Practicum

### Additional Licensure Plan - 4-12 Special Education Instructional Specialist (6 hours)

[SPED 5053](#) Planning Instruction for Children with Exceptionalities, 4-12  
[SPED 5063](#) Supervised Practicum

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.
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.

## **Candidacy**

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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**

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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**

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### **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 Dean of Graduate College. 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 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 Dean of Graduate College.

# Master of Education Secondary Education

## Unconditional Admission

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

## Conditional Admission

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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.

## Professional Education Core Requirements (18 hours)

The professional knowledge core is designed to provide the teacher with graduate work in five areas of professional knowledge: research and statistics, curriculum and instructional design, human relations and management, individual differences, and foundations/instructional issues/global studies.

The student must take one course from each area with the exception of the instructional issues and foundations area, from which two courses are required. The secondary education major electing to write a thesis will complete [SEED 6993](#) as one of the two courses required for instructional issues and foundations.

[EDFD 6003](#) Educational Research  
[EDFD 6993](#) Project in Educational Research  
[EDFD 6313](#) Principles of Curriculum Development  
[EDFD 6203](#) Supervision of Instruction OR  
[EDFD 6503](#) Classroom and Behavioral Management  
[EDFD 6053](#) The At-Risk Child in the School Environment  
[EDFD 6043](#) Current Issues in Human Learning OR  
[EDFD 6403](#) Social and Historical Factors in Education

## Secondary Education Physical Education

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### Degree Requirements

1. Candidates for the Master of Education degree with a specialization in physical education must complete 18 semester hours in physical education and 18 semester hours in education. Each student must complete the nine (9) semester hours that comprise the core requirements and complete additional physical education electives to meet the 18 semester hour requirement in physical education.

Dr. Annette Holeyfield, Head  
J.W. Hull Physical Education  
Building, Room 110  
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aholeyfield@atu.edu

### Physical Education Core Requirements (9 hours)

[PE 6013](#) Principles of Physical Education  
[PE 6023](#) Curriculum Development in Physical Education  
[PE 6083](#) Research Design and Statistics in Physical Education

### Electives (9 hours)

### Scientific Foundations (area of interest)

[PE 6033](#) Exercise Physiology  
[PE 6053](#) Biomechanics  
[PE 6073](#) Exercise and Sport Behavior

## Developmental Learning (area of interest)

[PE 6043](#) Psychology of Motor Learning

## Wellness Science (area of interest)

[WS 6013](#) Wellness Concepts and Applications

[WS 6023](#) Wellness and Fitness Program Management

## Professional Education Core Requirements (18 hours)

[EDFD 6003](#) Educational Research

[EDFD 6993](#) Project in Educational Research

[EDFD 6313](#) Principles of Curriculum Development

[EDFD 6203](#) Supervision of Instruction OR

[EDFD 6503](#) Classroom and Behavioral Management

[EDFD 6053](#) The At-Risk Child in the School Environment

[EDFD 6043](#) Current Issues in Human Learning OR

[EDFD 6403](#) Social and Historical Factors in Education

2. A cumulative grade point average of 3.00 on all graduate work with no grade lower than a "C".
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 27 semester hours of graduate coursework completed in residence at Arkansas Tech University.

## Secondary Education Instructional Technology

The Master of Education degree with a specialization in Instructional Technology is designed for candidates working toward a degree in the general field of instructional design and technology or for candidates with a valid Arkansas license seeking Arkansas licensure as School Library Media Specialists. Entrance into the instructional technology program does not require teacher licensure.

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Assistant Professor  
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### Degree Requirements

1. Candidates for the Master of Education degree with a specialization in instructional technology must complete 36 semester hours of graduate-level course work that includes 30 semester hours in approved educational media, library media, or information technology courses, and a minimum of six (6) hours of professional education core requirements. Candidates electing to write a thesis are required to take [EDMD 6993](#) and [SEED 6993](#). Candidates may select a concentration for library media licensure (requires Arkansas teacher licensure) or a concentration in instructional design and technology. To be licensed as a Library Media Specialist, after completing the master's degree, one must attain the minimum score as established by the Arkansas Department of Education on the Media Specialist-Library specialty area section of the Praxis Programs.

### Degree requirements for the Library Media specialty option (36 hours)

[EDFD 6003](#) Educational Research

[EDFD 6993](#) Project in Educational Research

[EDMD 6133](#) Production of Instructional Materials

[EDMD 6233](#) Administration of Media Programs

[LBMD 6033](#) Instructional Role of the School Library Media Specialist

[EDMD 6433-6](#) Practicum in Educational Media

[EDMD 6163](#) Internet Resources

[LBMD 6003](#) Selection of Instructional Materials

[LBMD 6013](#) Reference Materials in the School Library Media Center

[LBMD 6023](#) Classification and Cataloging

[LBMD 6043](#) Preservation of Instructional Materials

[LBMD 6403](#) Literature for Children and Adolescents

### Degree requirements for Instructional Design and Technology option (36 hours)

[EDFD 6003](#) Educational Research  
[EDFD 6993](#) Project in Educational Research  
[EDMD 5033](#) Introduction to Instructional Technology  
[EDMD 6113](#) Microcomputers for Education and Training  
[EDMD 6133](#) Production of Instructional Materials  
[EDMD 6163](#) Internet Resources  
[EDMD 6303](#) Survey of Instructional Media  
[EDMD 6313](#) Instructional Design and Product Development

Electives: Additional instructional technology electives to meet the 36 semester hour degree requirement.

2. A cumulative grade point average of 3.00 on all graduate work with no grade lower than a "C".
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 27 semester hours of graduate coursework completed in residence at Arkansas Tech University.

## Candidacy

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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

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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

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### 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 Dean of Graduate College. 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 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 Dean of Graduate College.

# Master of Education 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 is reflective of the current School Leader Licensure Standards adopted by the state of Arkansas.

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**This program may be completed online.**

## Unconditional Admission

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

1. Applicants must meet the admission requirements for Graduate College.
2. Two years of teaching experience.
3. Approval from the Program Director.

## Degree Requirements

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1. A minimum of 34 semester hours (all at the 6000 level) must be completed, including completion of 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 6551-4](#) Administrative Internship  
[EDLD 6991](#) Professional Portfolio

2. A portfolio must be successfully completed and approved by a portfolio review committee. This portfolio is an edited, integrated collection of an Educational Leadership candidate's evidence that competencies reflective of the Arkansas Standards and the Interstate School Leaders Standards have been acquired. 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.
3. 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.
4. Coursework will be offered through on-campus classroom experiences as well as mixed technology including on-line and distance learning.

## Candidacy

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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**

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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**

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### **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 Teaching, Learning, and Leadership

The Master of Education, Teaching, Learning and Leadership (MTLL) 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 teachers to be teacher leaders in the classroom, as an instructional facilitator or a curriculum administrator. Additionally, a unique NTLL Non-Traditional Licensure (NTL) option is available for individuals seeking an initial teacher license.

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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  
(an individual who is a career teacher and wants to improve classroom teaching and learning or desires to become a curriculum leader)
2. Non-Traditional Teacher  
(NTL - individual with a baccalaureate degree who seeks an alternative route to secure a standard teachers license)

A licensure endorsement may be added to an existing standard license by fulfilling the program of study requirements (18 hours) for the Instructional Facilitator.

## **Curriculum Administrator / Master Teacher Leader 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, colleagues, as well as marginal teachers. Additionally, these degree options will fulfill the program of study requirements for Arkansas Curriculum / Program Administrator Licensure and Instructional Facilitator endorsement upon completion of the required state assessments.

## **Non-Traditional Teacher (NTL) Option:**

The Non-Traditional Teacher (NTL) option is intended for the individual who holds a baccalaureate degree and desires to teach in Arkansas public schools (this option is not available for P-4 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**

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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 requirements:

### **Curriculum Administrator / Master Teacher Leader Option**

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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 with approval of the CLL Director.*

### **Non-Traditional Teacher (NTL) Option**

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For unconditional admission applicant must:

1. Applicants must meet the admission requirements for [Graduate College](#).
2. Applicants must submit original Praxis I and II scores in content specialty field.
3. Approval from the Program Director.

*\*Or with approval of the CLL Director.*

## Degree Requirements

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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](#)-4 Administrative Internship (4 hours total)

### Non-Traditional Teacher Leader (MTLL-NTL) Option

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

2. Prior to degree completion, a culminating 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 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.

\*For the Non-Traditional Leader (NTL) option the MTLL-NTL graduate student must complete the appropriate state assessments for teacher licensure prior to graduation.

### Instructional Facilitator Endorsement and Curriculum Program Administrator Licensure

An 18 semester hour MTLL program of study satisfies course requirements for the Instructional Facilitator Endorsement to be added to an individual's 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 Instructional Facilitator Endorsement (18 hours)

[MTLL 6202](#) Professionalization of Teaching for the Master Teacher  
[MTLL 6242](#) Cognitive Coaching and Mentoring for the Master Teacher  
[MTLL 6223](#) Teaching and Learning for the Master Teacher  
[MTLL 6253](#) Advanced Curriculum Design  
[MTLL 6143](#) Organizational Change and the Role of the Master Teacher

**MTLL 6123** Instructional Leadership for the Master Teacher  
**EDLD 6551-4** Administrative Internship (2 hours total)

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

## **Candidacy**

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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**

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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**

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### **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 Business Administration

The MSBA program provides a graduate business alternative for students whose undergraduate preparation was a field outside of business administration. Students who wish to develop administrative skills for their chosen career but who are not interested in completing a Master of Business Administration degree can opt for this program instead. These students would be required, for an MBA, to complete six of this program's courses as leveling work prior to matriculation of the actual MBA coursework. The six courses comprising the MSBA replicate much of what is taught in the undergraduate business core, and the addition of three administrative electives and a graduate capstone course provide a basic graduate education in the field of business. Non-business departments may also provide a group of graduate-level administrative electives for the student to bolster the student's career-specific education.

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## Unconditional Admission

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

1. Applicants must meet the admission requirements for [Graduate College](#).
2. Applicants must have completed BUAD 2003 (Business Information Systems) or its equivalent with a "C" or better.
3. Applicants must have completed BUAD 2053 (Business Statistics) or its equivalent with a "C" or better.

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 MSBA graduate classes.

## Conditional Admission

---

Applicants who fail to meet the grade point requirement specified for 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.

An applicant who satisfies the grade point requirement at an unaccredited college may also be granted conditional admission. In some instances, transcripts may be judged to be deficient and the student may be required to complete up to thirty (30) 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.

Applicants who do not meet the BUAD 2003 and/or BUAD 2053 prerequisite course requirement(s) may be conditionally admitted to enroll in select graduate classes while taking one or both prerequisite classes the first semester of the program or successfully completing a skills assessment exam.

## Degree Requirements

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1. The completion of a minimum of 30 semester hours of graduate work including the following courses:  
[ACCT 6003](#) Principles of Business Accounting  
[BLAW 6003](#) Business Law & Ethics  
[ECON 6003](#) Survey of Economics  
[FIN 6003](#) Financial Decision Making  
[MGMT 5083](#) Business Policy  
[MGMT 5203](#) Project Management  
[MGMT 6003](#) Survey of Management and Organizational Behavior  
[MKT 6003](#) Marketing Strategy and Research  
5000-Level Electives (6 hours)

\*5000-Level Electives: Any ACCT, BLAW, BUAD, ECON, FIN, MGMT or MKT course at the 5000 level.

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.
3. A minimum of 24 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.

## Candidacy

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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

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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

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### 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 Dean of Graduate College. 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 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 Dean of Graduate College.

# Master of Science College Student Personnel

The Master of Science in College Student Personnel 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 College Student Personnel (CSP) program include:

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1. Demonstrating mastery and application of foundational and professional studies in College Student Personnel.
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 College Student Personnel 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 two (2) letters of reference from faculty or staff at an educational institution who can attest to the candidate's ability to work with students.
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. Define student affairs and how 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?
6. Approval from 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 CSP 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. Note - the GRE and/or MAT scores are no longer being required for conditional admission.

## Academic Advisors

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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

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

**Required Core Courses (30 Hours)**

**Foundation Course (3 hours)**

**CSP 6023** Introduction to College Student Personnel Work

### **Professional Studies (21 hours)**

**CSP 6033** Theory and Practice in College Student Personnel

**CSP 6043** American College Student

**CSP 6053** Legal Issues for Professionals in College Student Personnel

**CSP 6073** Counseling with College Students

**CSP 6113** Research Design and Analysis

**CSP 6123** Assessment and Evaluation in Higher Education

**CSP 6143** Administration in College Student Personnel

### **Supervised Practice (6 hours)**

**CSP 6083** Practicum 1 in College Student Personnel

**CSP 6063** Special Topics: College Student Personnel Capstone Seminar

### **Elective Courses (6 Hours Required)**

**CSP 6013** American Higher Education in Transition

**CSP 6093** Practicum 2 in College Student Personnel

**CSP 6133** Ethical Leadership in Higher Education

**CSP 6153** Advising Student Groups

**CSP 6163** Academic Advising

**CSP 6191**-6 Thesis in College Student Personnel

**CSP 6881**-3 Special Problem (Workshop) in College Student Personnel

2. A thesis option is available. The thesis option must be approved by the Program Director. Students completing the thesis would take six (6) credits of **CSP 6191**-6: Thesis in College Student Personnel in the place of six (6) credits of electives.
3. 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.
4. A minimum of 27 semester hours of graduate course work completed at Arkansas Tech University.
5. Successful completion of the comprehensive examination. Comprehensive examination policies are available from the program director.
6. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the 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**

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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**

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### **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 Dean of Graduate College. 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 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 Dean of Graduate College.



# Master of Science

## Emergency Management and Homeland Security

The Department of Emergency Management (EM) at Arkansas Tech University offers a solid background in emergency management skills such as preparedness, mitigation, response, and recovery. There is a growing demand for professionals educated in emergency management for the private business sector, education, and various government agencies and organizations at all levels-local, state, regional, national, and international.

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### **This program may be completed online.**

This degree offers a specialized program both for existing career professionals in the discipline and for those seeking the diverse employment opportunities available in this evolving career field. The curriculum applies a multidisciplinary approach targeting the principles of emergency management along with state-of-the-art technologies. 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 a faculty committee from the EM Department in determining admission status.

1. Applicants must meet the admission requirements for the [Graduate College](#).
2. Applicants must have a minimum undergraduate cumulative grade point average of 3.00.
3. Applicants must provide statement of intent which addresses career goals, interests in Graduate College and emergency management, and research interests. (500 word minimum)
4. Applicants must provide a resume or vitae.
5. Approval from the Program Director.

### **Conditional Admission**

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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 EM 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.

After completion of the Research Design and Methods course, the Program Director will assist the student in picking a thesis advisor and thesis committee. The Program Director will assist the student in designing a curriculum of study leading to the fulfillment of degree requirements. Additionally, the academic advisor and the Graduate College will monitor the student's progress. Ultimately, it remains the student's responsibility to understand and to satisfy all degree requirements.

### **Late Admission**

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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 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**

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1. The completion of 36 semester hours of graduate work is required, of which 18 semester hours must be at the 6000 level. The 36 hours are taken with four component areas: Professional Component, Methods Component, Applied Research Component, and Interdisciplinary Component.

#### **Professional Component (18-21 hours)**

Most courses have the prerequisite or acceptable equivalencies of [EMHS 6043](#), [EMHS 6063](#), and [EMHS 6103](#), or the consent of the instructor.

### **Methods Component (3-6 hours)**

[EMHS 6103](#) Research Design and Methods  
[EMHS 6123](#) Applied Data Analysis

### **Applied Research Component (6 Hours)**

[EMHS 6403](#) Action Research Practicum I  
[EMHS 6413](#) Action Research Practicum II  
[EMHS 6423](#) Internship for Professional Practice  
[EMHS 6933](#) Research I  
[EMHS 6943](#) Research II

### **Interdisciplinary Component (6 hours)**

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

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 master's degree program must be completed within six (6) years from the time of admission to the graduate program.
4. A minimum of 27 semester hours of graduate coursework completed in residence at Arkansas Tech University.

## **Candidacy**

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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**

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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**

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### **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 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 the option of selecting a concentration of study in either fisheries or wildlife science.

Dr. John Jackson  
Associate Professor  
McEver Building, Room 114  
(479) 964-3226  
[jjackson@atu.edu](mailto:jjackson@atu.edu)

## Unconditional Admission

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

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 department, from professors familiar with the applicant's academic ability.
7. Approval from the Program Director.

## Conditional Admission

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Qualified students without the 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 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 upon completion of twelve (12) semester hours with a cumulative grade point average of 3.00 or better is achieved.

## Academic Advisors

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A major advisor within the Fisheries and Wildlife Program is required. Submission of a letter to the program director by a faculty member that acknowledges willingness to serve as a student's major advisor, constitutes formal acceptance into the program. The advisor and student will select two (2) or more qualified personnel (at least one from the Fisheries and Wildlife Program) to serve as members of the student's advisory committee.

The advisor and student should develop a program of study and have it approved by the student's advisory committee and program director within the first semester. The advisory committee will be responsible for identifying critical deficiencies in undergraduate preparation and adding courses to the program of study to compensate for these deficiencies. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

For students pursuing the thesis option, a proposal of thesis research developed by the student, approved by the advisor, advisory committee, and program director is expected within six (6) months of matriculation. The advisory committee will determine acceptability of the thesis and oral defense.

## Degree Requirements

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1. A minimum of 30 semester hours for the thesis option and a minimum of 36 semester hours for the non-thesis option at the graduate level must be completed, 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 6991-6](#) Thesis Research - 6 hours

**MATH 5173** Advanced Statistics  
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 Statistics  
Approved 5000 or 6000 level elective courses - 15 hours

### **Electives**

**BIOL 5003** History and Philosophy of Science  
**BIOL 6023** Conservation Workshop  
**EMHS 6033** Foundation of Leadership  
**FW 5003** Principles of Wildlife Management  
**FW 5014** Forest Ecology and Management  
**FW 5024** Limnology  
**FW 5034** Geographic Information Systems in Natural Resources  
**FW 5083** Principles of Fisheries Management  
**FW 5103** Human Dimensions of Fisheries and Wildlife Management  
**FW 5881-4** Advanced Topics  
**FW 6023** Quantitative Fisheries Science  
**SPH 5063** Organizational Communication

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

## **Candidacy**

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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**

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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**

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### **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 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.

Dr. Melinda Wilkins, Director  
Dean Hall, Room 201C  
(479) 968-0441  
mwilkins@atu.edu

**This program may be completed online.**

## Unconditional Admission

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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](#) Introduction to HIM 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

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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

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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 or HI 5000-level or 6000-level electives.
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.
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

[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 6991-6](#) Thesis Research - 6 hours  
OR  
[HI 6983](#) Research Project AND Additional 3 hour elective

### **Elective Courses - Choose two courses (6 hours)**

[INFT 6013](#) Decision Support Systems  
[INFT 6903](#) Emerging Trends in IT  
[INFT 5053](#) Information Systems Resource Management  
[INFT 5303](#) Developing and Administering Web Sites

## **Candidacy**

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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**

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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**

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### **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 Dean of Graduate College. 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 Dean of the 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 Dean of Graduate College.



# Master of Science Information Technology

The Master of Science in Information Technology (MS-IT) is a study of the hardware and software mechanisms used to implement modern information systems. It includes coverage of local-area networks, databases, operating systems, the Internet, the web, and IT management. The student is offered two specialty programs: one in Computer-Based Instructional Technology (CBIT), and one in Information Technology (IT). Each program is built around a common core of three important technologies: networking, web development, database design and implementation.

Dr. Roger Fang  
Director of Graduate Program  
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The Computer-Based Instructional Technology (CBIT) specialty program enables a student to complete the degree through course-work directed to showing the application of computing technology to instruction.

The Information Technology (IT) specialty program is intended for students pursuing a career in technical support for information systems. The focus is on an integrated study of networking, databases, and the web.

## Unconditional Admission

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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 a background comparable to [COMS 1003](#) and [COMS 1403](#) (see undergraduate catalog for course descriptions), which includes familiarity with terminology and concepts related to word processing, spreadsheets, and databases. This background may be demonstrated by previous coursework, work experience, or by taking a test administered by the MS-IT Graduate Committee.
3. Applicants must have successfully completed one math course beyond college algebra.
4. Applicants for the CBIT program must have successfully completed one semester of computer programming comparable to [COMS 2104](#). Applicants for the IT program must have successfully completed two semesters of computer programming courses comparable to [COMS 2104](#) and [COMS 2203](#).
5. Applicants must submit recent (within the last 5 years), acceptable scores (to be determined by the faculty) of the Graduate Record Examination (GRE) to the Graduate College.
6. 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 2-6 above may be admitted conditionally by the MS-IT Graduate Committee to earn a maximum of twelve (12) hours of graduate credit. Applicants without GRE are not eligible for conditional admission. 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

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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

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1. The completion of 36 hours of graduate work of which include 18 semester hours in MSIT core requirements plus requirements for the Computer-Based Instructional Technology (CBIT) or the Informational Technology (IT) specialty program. A minimum of 18 of the total hours must be at the 6000 level.

### **MSIT Core Requirements (18 hours)**

[INFT 5203](#) Database Systems  
[INFT 5303](#) Developing and Administering Web Sites  
[INFT 5703](#) Computer Networks  
[INFT 5700](#) Computer Networks Lab

Plus completion of nine (9) semester hours from the following courses:

[INFT 5103](#) Software Development  
[INFT 5503](#) The UNIX Operating System  
[INFT 5403](#) Introduction to Information Technology and Systems  
[INFT 5413](#) Computer Systems and Architecture

### **Computer-Based Instructional Technology (CBIT) Requirements (18 hours)**

[EDFD 6003](#) Educational Research  
[EDMD 6133](#) Production of Instructional Materials  
[EDMD 6313](#) Instructional Design and Product Development  
[EDFD 6313](#) Principles of Curriculum Development  
[EDMD 6513](#) Computer Based Instruction  
INFT 3 hours elective (6000 level)  
Plus successful completion of written comprehensive examinations.

### **Information Technology (IT) Requirements (18 hours)**

Completion of 9 semester hours of the following courses and one of the three options

[INFT 6203](#) Database Development and Administration  
[INFT 6303](#) Design of Web-based Information Systems  
[INFT 6403](#) Information Systems Analysis and Design  
[INFT 6703](#) Heterogeneous Networks  
[INFT 6700](#) Heterogeneous Networks Lab

Option I (Internship):

3-8 hours of INFT 6000 level elective courses (depending on the internship)  
1-6 hours internship ([INFT 6991-3](#))

Option II (Thesis):

3 hours of INFT 6000-level elective courses  
6 hours Thesis Research ([INFT 6973](#) and [INFT 6983](#))

Option III (Comprehensive Examinations):

9 hours of INFT 6000-level elective courses  
The successful completion of written comprehensive examinations.

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.
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.

## **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**

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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**

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### **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 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 Dean of Graduate College.

# Master of Science 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.

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wmartin@atu.edu

## Unconditional Admission

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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).
5. 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.

## Academic Advisors

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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  
[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 Test 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 Developmental Psychology  
[PSY 6063](#) Advanced Physiological Psychology  
[PSY 6073](#) Personality Dynamics and Theories  
[PSY 6083](#) Seminar in Psychology  
[PSY 6091](#)-6 Advanced Field Placement  
[PSY 6993](#)-6 Thesis Research  
[PSY 6891](#)-4 Independent Study

2. Thesis hours must earn a grade no lower than "B".
3. 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.
4. No more than six (6) hours of PSY 6993-6 Thesis Research will be counted toward the degree.
5. The student must have a 3.00 grade point average on a 4.00 scale on all course work. No more than two (2) course grades of "C" will be considered acceptable during the student's program and no grade lower than "C" will be considered toward the completion of the required course work.
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 course work completed in residence at Arkansas Tech University.
8. At the end of each fall semester, the student will meet with the Psychology Graduate Committee for program review and evaluation.

## Candidacy

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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

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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

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### 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 request 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 Applied Sociology

The Master of Science in Applied Sociology 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 Sociological Principles, a concentrated effort is also made to establish the foundation necessary for application.

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wmartin@atu.edu

## Unconditional Admission

---

Students are eligible to apply for unconditional admission to the Master of Science degree program in Applied Sociology if they meet the following requirements and are approved by the Sociology Graduate Faculty:

1. Applicants must meet the admission requirements for the [Graduate College](#).
2. Applicants must have a minimum of 18 semester hours in sociology 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 Sociology Graduate Faculty) of the Graduate Record Examination (GRE).
5. 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 Sociology Graduate Committee and the Director of the Graduate Program in Sociology or the Head of the Department.

## Academic Advisors

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The Director of the Graduate Program in Sociology 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 or comprehensive exam completion. The faculty advisor, the Sociology 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 Applied Sociology must complete the following:

1. A minimum of 30 semester hours in sociology 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)

[SOC 6013](#) / [PSY 6013](#) Advanced Statistics  
[SOC 6023](#) Advanced Social Theory  
[SOC 6033](#) Advanced Methodology  
[SOC 6043](#) Evaluation and Assessment

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

[SOC 5183](#) Social Gerontology  
[SOC 5003](#) Minority Relations  
[SOC 5013](#) Drugs in Society

SOC 5053 Sociology Health and Illness  
SOC 5063 Social Stratification  
SOC 5043 / PSY 5043 Social Psychology

SOC 6053 Advanced Topics in Criminal Justice  
SOC 6063 Advanced Topics in Gerontology  
SOC 6891-4 Independent Study  
SOC 6991-3 Thesis Research OR Comprehensive Exam

2. The satisfactory completion of six (6) hours of SOC 6991-3 Thesis Research.
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 Sociology upon admission to candidacy.
5. No more than six (6) hours of SOC 6891-4 Independent Study will be counted toward the degree.
6. The student must have a 3.00 grade point average on a 4.00 scale on all course work. No more than two (2) course grades of "C" will be considered acceptable during the student's program and no grade lower than "C" will be considered toward the completion of the required course work.
7. All course work must be completed within six (6) years of admission to the degree program.
8. A minimum of 24 semester hours of graduate course work completed in residence at Arkansas Tech University.
9. At the end of each fall semester, the student will meet with the Sociology Graduate Committee for program review and evaluation.

## Candidacy

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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

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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

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### 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 Sociology Graduate Committee, the Director of the Graduate Program in Applied Sociology, and the Graduate College Dean. Students must send a written request through the Sociology Graduate Committee to petition the acceptance of the transfer credit prior to request 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 Applied Sociology 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 Sociology Graduate Committee, the Director of the Graduate Program in Applied Sociology, and the Graduate College Dean.



# Master of Science in Strength and Conditioning Studies

## Program Summary

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The Master of Science in Strength and Conditioning Studies is designed to provide graduate level instruction in the theory and science of strength and conditioning. 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. Upon completion of this degree, students may pursue certifications such as the Personal Trainer or Strength and Conditioning Specialist (CSCS) by the National Strength and Conditioning Association (NSCA).

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## Unconditional Admission

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Students are eligible to apply for unconditional admission to the Master of Science in Strength and Conditioning Studies 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 Exercise Physiology and PE 3663 Kinesiology/Biomechanics with grades of "B" or higher or the leveling courses PE 5013 Applied Physiology Concepts and PE 5023 Anatomical and Mechanical Kinesiology Concepts with grades of "B" or higher.

\*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

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

### Required Core Courses (21 hours)

[SCS 6013](#) Measurement and Evaluation in Strength and Conditioning  
[PE 6083](#) Research Design and Statistics in Physical Education  
[SCS 6023](#) Scientific Foundations of Strength & Conditioning  
[SCS 6033](#) Strength & Conditioning Program Design & Development  
[SCS 6043](#) Techniques for Development of Hypertrophy, Strength & Power  
[SCS 6053](#) Techniques for Development of Speed, Agility, Reaction Time & Endurance  
[PE 6043](#) Psychology of Motor Learning

### Electives (9 hours)

[SCS 6063](#) Trends in Sports Nutrition & Metabolism  
[PE 6033](#) Exercise Physiology  
[PE 6053](#) Biomechanics  
[PE 6073](#) Exercise & Sport Behavior  
[PE 6063](#) Current Issues in Coaching & Athletics  
[SCS 6083](#) Instructional Strategies for Strength Coaches  
[SCS 6093](#) Readings in Strength & Conditioning

### Culminating Experience (3 hours)

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

2. A minimum of 27 semester hours of graduate course work completed in residence at Arkansas Tech University.
3. 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.
4. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

## Candidacy

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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

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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

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### 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 Administration and Emergency Management

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.

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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, 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

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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 National League for Nursing Accrediting Commission (NLNAC) accredited nursing programs.
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. Applicants must have completed a statistics course.
7. Approval from the MSN Admissions Committee.

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

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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

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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

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1. 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 (including three (3) hours of Workshop or Independent Study).

### **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

[EMHS 6063](#) Principles of Hazards and Emergency Management

[EMHS 5993](#) Special Problems

-Or-

[EMHS 6003](#) Design and Management of Preparedness and Mitigation Systems

[NUR 6403](#) Non-thesis project - AND Elective - 3 hours

-Or-

[NUR 6996](#) Research Thesis

### **Nursing Administration Concentration Area**

[NUR 6503](#) Organizational Behavior and Human Resource Management

[NUR 6526](#) Nursing Administration Practicum

### **Emergency Management Concentration Area**

[EMHS 6023](#) Risk and Vulnerability Assessment for Business & Industry

[NUR 6603](#) Crisis Intervention in Disasters

[EMHS 5000-6000](#) Elective - 3 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](#) Scope of Professional Practice

[NURN 4024](#) Community Health

[NURN 4034](#) Leadership & Management

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.
4. The master's degree program must be completed within six (6) years from the time of admission to the graduate program.

## **Candidacy**

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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**

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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**

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### **Graduate Credit Taken Prior to 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.

### **Graduate Credit Taken After 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.

# Master of Engineering Engineering

The Master of Engineering program provides advanced study in a focused area of engineering to enhance career advancement. The program contains a common core of classes including project management, organizational communications, and advanced mathematics. Required graduate courses in engineering, focusing in one of the three available specializations, prepare the student for advanced engineering assignments.

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Corley 262  
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## 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 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

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1. A minimum of 36 semester hours of coursework at the graduate level must be completed which includes twelve (12) semester hours in the common core, and an additional 24 semester hours which meet the requirements of one of the concentration areas listed below. A minimum of 18 semester hours must be at the 6000 level.

### Common Core (12 hours)

[MGMT 5203](#) Project Management  
[SPH 5063](#) Organizational Communication

Six (6) hours from:

[MATH 5103](#) Linear Algebra II  
[MATH 5153](#) Applied Statistics II  
[MATH 5273](#) Complex Variables  
[MATH 5243](#) Differential Equations II  
[MATH 5343](#) Introduction to Partial Differential Equations

## Concentration Area (24 hours)

### Electrical Engineering

In addition to the common core, 24 semester hours in graduate Electrical Engineering courses are required with a minimum of 18 semester hours at the 6000 level.

### Mechanical Engineering

In addition to the common core, 24 semester credit hours are required with a minimum of 18 hours of graduate engineering coursework and 12 hours of MCEG graduate courses.

### Nuclear Engineering

Prerequisites: [PHYS 3213](#), [MCEG 3503](#), [MCEG 3512](#) or equivalent experience/training

[MCEG 6503](#) Reactor Physics

[MCEG 6523](#) Nuclear Materials

[MCEG 6533](#) Radiation Interactions and Shielding

[MCEG 6513](#) Advanced Radiation Detection Lab

[MCEG 6893](#) Independent Study

Electives - 9 hours

2. A minimum cumulative grade point average of 3.00 must be achieved on all graduate work attempted at Arkansas Tech University. A maximum of six (6) semester hours of "C" grades can be counted toward degree requirements. Students receiving more than six (6) hours of "C" grades is subject to dismissal from the program. Refer to "Academic Probation and Dismissal" in the graduate catalog.
3. Successful completion of a comprehensive final examination, consisting of both a written and oral portion and administered by the student's Graduate Advisory Committee, is required in addition to the coursework requirements above. This exam will be administered during the student's final semester and may be attempted a maximum of three times.
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 27 semester hours of graduate course work completed at Arkansas Tech University.

## Candidacy

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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

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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

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### 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 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.

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Tech'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 interdisciplinary critical approaches.

## Unconditional Admission

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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

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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

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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.
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 6991-6](#) Thesis Research or [ENGL 6996](#) Thesis Research (thesis option).
4. The satisfactory completion of a comprehensive examination based on the MA in [English Examination Reading List](#).
5. The maintenance of a cumulative grade point average of at least 3.00 in all graduate work attempted at Arkansas Tech University with a maximum of six (6) hours of "C" grades.
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 Graduate English Study

[ENGL 6013](#) Structure of the English Language

[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 a comprehensive examination based on material covered in the seven prescribed courses.
5. The maintenance of a cumulative grade point average of at least 3.00 in all graduate work attempted at Arkansas Tech University with a maximum of six (6) hours of "C" grades.
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](#).

## 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

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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

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### 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 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.

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pdykema@atu.edu

## 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

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The Graduate Program Director serves as the initial advisor for all 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

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### 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](#) Historical Methods 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 6991-6](#) Thesis Research.
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 6891-4](#) Independent Study and [HIST 6881-3](#) Workshop may be counted toward the degree.
10. No more than two (2) course grades of "C" be considered acceptable during the student's program, and no grade lower than "C" will be considered toward completion of the required course work.
11. Thesis 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](#) Historical Methods 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. A minimum of 24 semester hours of graduate coursework completed in residence at Arkansas Tech University.
6. The satisfactory completion of an additional six (6) hours in any area of concentration, three (3) hours of which must be a Seminar course.
7. All course work must be completed within six (6) years of admission to the degree program.
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 6891-4](#) Independent Study, and [HIST 6881-3](#) Workshop may be counted towards the degree.
10. No more than two (2) course grades of "C" will be considered acceptable during the student's program, and no grade lower than "C" will be considered toward completion of the required course work.

## Candidacy

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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

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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

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### 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 Multi-Media Journalism

The Master of Arts in Multi-Media Journalism is a program designed to prepare students for careers in media that are being transformed by developing new technologies. The program provides students with traditional journalistic writing skills adapted to the digital age. It also teaches the requisite theory and research methods to enable graduates to be ethical, informed users of online data bases for news gathering as well as video graphics and other technologies for electronic media delivery.

Dr. Sangki Lee  
Energy Building, Room 101B  
(479) 498-6000  
slee15@atu.edu

## Unconditional Admission

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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 submit Graduate Record Examination (GRE) or the Miller Analogies Test (MAT) test scores.
3. Applicants must present a 500 word writing sample to the Director of the Multi-Media Journalism Program.
4. Applicants must successfully complete a writing and technology performance review by the Journalism Graduate Committee following the applicant's first semester in the program required.
5. Approval from the Program Director.

## Conditional Admission

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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

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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

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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 and Society  
[JOUR 6133](#) Multi-Media Publishing  
[JOUR 6193](#) Journalistic Writing for Multi-Media  
[JOUR 6331](#)-3 Professional Portfolio  
Electives 6 Hours\*

\*Electives may be chosen from the following Journalism courses.

[JOUR 5033](#) Community Journalism  
[JOUR 5073](#) Graphic Communication  
[JOUR 5083](#) New Communication Technology  
[JOUR 5113](#) History of American Journalism  
[JOUR 5123](#) Laws of Communication  
[JOUR 5163](#) Advanced Photography and Video

2. A cumulative grade point average of 3.00 on all graduate work with no grade lower than a "C".
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.

## **Candidacy**

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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**

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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**

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### **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

The University has an interest in 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.

Dr. Lynn C. Walsh  
Crabaugh Hall, Room 205  
(479) 968-0422  
lwalsh@atu.edu

**This program may be completed online.**

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

Business, Life/Earth Science  
English, Physical/Earth Science  
Mathematics, Physical Education, Wellness and Leisure  
Social Studies, Music (Instrumental & Vocal)

## Unconditional Admission

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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 Program Director.

## Conditional Admission

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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

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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

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1. Thirty-six semester hours must be completed.

### Core Courses for Middle Level and Secondary Levels (18 hours)

[MAT 5703](#) Technology for Teaching and Learning  
[MAT 6503](#) Classroom and 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

### **P-4 Track (18 hours)**

[MAEC 6213](#) Early Childhood Curriculum for Young Children  
[MAEC 6033](#) Principles of Child Development and Classroom Management  
[MAEC 6163](#) Instruction and Assessment for Diverse Learners  
[MAEC 6323](#) Diagnostic Literacy Instruction and Interventions  
[MAEC 6806](#) Internship (all coursework in program must be completed to enroll in [MAEC 6806](#))

### **Middle/Secondary Track (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 to enroll in [MAMS 6806](#)

### **Extra courses required by Arkansas State Department for licensure purposes:**

Arkansas History (*Middle Level, and Secondary social studies majors*)

One course in Language and Literacy; [ECED 3283](#) (*Middle Level*)

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.

## **Candidacy**

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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**

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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**

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### **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

## 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.

Dr. Carl Brucker, Head  
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(479) 968-0256  
cbrucker@atu.edu

**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.

### Degree Requirements

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1. The satisfactory completion of the following 30 semester hours of graduate work.

[TESL 5023](#) or [ENGL 5023](#) Second Language Acquisition\*  
[TESL 5703](#) or [ENGL 5703](#) Teaching English as a Second Language\*  
[TESL 5713](#) or [ENGL 5713](#) ESL Assessment\*  
[TESL 5723](#) 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](#) Structure of the English Language  
[TESL 6023](#) Language and Society  
[TESL 6033](#) Oral and Written Communication or [ENGL 6023](#) Composition for Teachers  
[TESL 6053](#) Tesol Assessment Strategies  
[TESL 6063](#) Instructional Strategies in Content Areas and  
[TESL 6143](#) Reading for English Language Learners  
[TESL 6863](#) TESOL Practicum or [ENGL 6863](#) TESL Practicum  
[ENGL 5083](#) Seminar in English Language  
[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.

2. The satisfactory completion of an examination based on three MA TESOL courses selected by the student. Licensed teachers who complete [TESL 6863](#) TESOL Practicum are exempt from the examination requirement.
3. The maintenance of a cumulative grade point average of at least 3.00 on all graduate work attempted at Arkansas Tech University toward the fulfillment of the MA TESOL requirements with a maximum of six (6) hours of "C" grades.
4. The completion of a minimum of 24 semester hours of graduate work at Arkansas Tech University. Full-time residence is not required.
5. The completion of all degree requirements within six (6) years of admission to the degree 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

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 Liberal Arts

The MLA degree is suited to the student who is interested in graduate study in the liberal arts, but is not interested in a research degree in a specific arts discipline or in a graduate degree in a technical area. The MLA is useful for middle school and high school English, speech, theatre, journalism, and social studies teachers 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.

Dr. Deborah Wilson  
Director  
Witherspoon Hall, Room 145  
(479) 968-0482  
dwilson@atu.edu

The MLA degree has three areas of concentration: Communications for those interested in English, journalism, language, linguistics, literature, and speech; The Fine Arts for those interested in music, theatre, art and music appreciation; Social Sciences for those interested in American studies, geography, history, philosophy, political science, psychology, and sociology. The goals of the Liberal Arts program include the ability to:

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

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1. The completion of at least 30 semester hours of graduate course work, at least 15 of which must be at the 6000 level.
2. The satisfactory completion of [LA 6013](#), Introduction to the Liberal Arts<sup>1</sup>, and [LA 6711-3](#), Liberal Arts Project<sup>2</sup>, as part of the 30- semester-hour requirement.
3. The completion of a 12 to 18 semester hour major concentration of course work in one of three areas:
  - Communications (including English and linguistics)
  - The Fine Arts
  - Social SciencesThe Completion of 6 to 12 hours in a related area of study.
4. A cumulative grade point average of at least 3.00 in all graduate course work attempted at Arkansas Tech University with a maximum of six (6) semester hours of "C" grades.
5. A minimum of 24 semester hours of graduate course work completed in residence at Arkansas Tech University. (Full time residence is not required.)
6. Completion of all degree requirements within six (6) years of admission to the program.

<sup>1</sup>[LA 6013](#) must be taken before the completion of twelve semester hours of graduate course work.

<sup>2</sup>The requirements for this course include a scholarly research paper. With the approval of the Graduate College Dean and the MLA Director, a significant creative project may be substituted for a scholarly research paper.

### Degree Requirements for MLA with Exam Option

---

1. The completion of at least 30 semester hours of graduate course work, at least 15 of which must be at the 6000 level.

2. The satisfactory completion of [LA 6013](#) , Introduction to the Liberal Arts<sup>1</sup> as part of the 30 semester hour requirement.
3. The completion of a 15 to 21 semester hour major concentration of course work in one of three areas:
  - Communications (Including English and linguistics)
  - The Fine Arts
  - Social SciencesThe completion of 6 to 12 hours in a related area of study.
4. The satisfactory completion of a comprehensive exam based on course work.
5. A cumulative grade point average of at least 3.00 in all graduate course work attempted at Arkansas Tech University. (Full-time residence is not required.)
6. Completion of all degree requirements within six (6) years of admission to the program.

<sup>1</sup>[LA 6013](#) must be taken before the completion of twelve semester hours of graduate course work.

## 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

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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

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### 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 director of the MLA program and the Graduate College Dean. Students must send a written request to the director of the MLA program 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 director of the MLA program 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 director of the MLA program and the Graduate College Dean.

## Liberal Arts Project

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All candidates for the MLA degree must complete [LA 6711-3](#), Liberal Arts Project. The requirements for this course include a scholarly research paper that will be presented publicly. With the approval of the Graduate College Dean and the MLA Director, a significant creative project may be substituted for a scholarly research paper.

## Accounting Course Descriptions

### **ACCT 6003: Principles of Business Accounting**

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A survey of basic accounting techniques for graduate students who have not previously had an accounting course. The course addresses the fundamental mechanics of accounting, including the preparation and analysis of corporate financial statements. It also addresses operational accounting issues such as product costing, cost-volume-profit analysis, operational and capital budgeting, and performance evaluations.



## Anthropology Course Descriptions

### **ANTH 5403: Interpretation/Education through Museum Methods**

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Prerequisite: Senior or Graduate standing, or permission of instructor.

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.

### **ANTH 5853: Music of the World's Peoples**

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Cross-listed: MUS 5853

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 Course Descriptions

### **ART 5723: Art History Seminar**

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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.

### **ART 6163: Survey of 20th Century Photography**

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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.

## Biology Course Descriptions

### **BIOL 5064: Evolutionary Biology**

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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.

## Business Law Course Descriptions

### **BLAW 5073: Special Topics in Law**

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Prerequisite: BLAW 6003

Course offers an in-depth exploration of selected legal 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.

### **BLAW 6003: Survey of Business Law and Ethics**

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This course is designed to introduce students to the American legal system, increase their understanding of legal issues and potential liabilities in business contexts, and equip them to meet their legal obligations with ethical integrity in a competitive marketplace. Topics will include the structure and function of the American legal system, contracts, torts, white-collar crime, business organizations, and employment law, with emphasis on legal reasoning and policy implications. There is a required research project.

## Business Administration Course Descriptions

### **BUAD 6003: Independent Study**

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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.

## Chemistry Course Descriptions

### **CHEM 6881,6882,6883: Workshop**

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

# College Student Personnel Course Descriptions

## **CSP 6013: American Higher Education in Transition**

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An overview of the history, philosophy, purposes, and functions of higher education in the United States. The purpose of the course is to familiarize students with the events, issues, and ongoing debates that have shaped and continue to shape higher education in the United States.

## **CSP 6023: Introduction to College Student Personnel Work**

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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.

## **CSP 6033: Theory and Practice in College Student Personnel**

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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.

## **CSP 6043: American College Student**

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An overview of the literature and research on American college students. After reviewing the literature on student transition to college, student collegiate experiences, student development in college, and college impact on students, the focus will be on effective institutional policies and practices in enhancing positive student college experiences, learning, and other desirable outcomes.

## **CSP 6053: Legal Issues for Professionals in College Student Personnel**

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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.

## **CSP 6063: Special Topics: College Student Personnel Capstone Seminar**

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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.

## **CSP 6073: Counseling with College Students**

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An exploration of ways adults construct meaning, including intellectual, moral, and personality development. Gender and culture will be highlighted as they affect learning and development.

## **CSP 6083: Practicum I in College Student Personnel**

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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.

## **CSP 6093: Practicum II in College Student Personnel**

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Prerequisite: Successful completion of CSP 6081-3.

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.

## **CSP 6113: Research Design and Analysis**

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The student will learn to interpret, analyze, and evaluate research reports in professional journals and will understand the principles which underlie effective scientific investigation.

## **CSP 6123: Assessment and Evaluation in Higher Education**

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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.

## **CSP 6133: Ethical Leadership in Higher Education**

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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.

## **CSP 6143: Administration in College Student Personnel**

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Administration in College Student Personnel is a required course for the Masters of Science in CSP 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.

## **CSP 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.

## **CSP 6163: Academic Advising**

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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.

## **CSP 6191: Thesis in College Student Personnel**

---

Prerequisites: 27 hours must be completed toward the program requirements.

The student will complete an applied or theoretical research project which incorporates all the elements of an original research proposal and concludes with findings which add to the body of knowledge in the area of college student personnel.

## **CSP 6192,6193,6194,6195,6196: Thesis in College Student Personnel**

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Prerequisites: 27 hours must be completed toward the program requirements.

The student will complete an applied or theoretical research project which incorporates all the elements of an original research proposal and concludes with findings which add to the body of knowledge in the area of college student personnel.

## **CSP 6881,6882,6883: Special Problems (Workshop) for College Student Personnel**

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Special Problems (Workshop) in CSP 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.

## **CSP 6893: Independent Study**

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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 Course Descriptions

## **COUN 6003: School Organization and Leadership for the Counselor**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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.

\$50 internship fee.

### **COUN 6303: Counseling Skill Development II**

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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.

\$100 internship fee..

### **COUN 6891,6892,6893: Independent Study**

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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.

## Driver Education Course Descriptions

### **DE 5543: Driver and Traffic Education II**

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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**

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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.

## Economics Course Descriptions

### **ECON 6003: Survey of Economics**

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This course explores the principles of macroeconomic and microeconomic analysis of economies. It includes theories of output, income, employment, price level, and business fluctuations, including the monetary system, fiscal and monetary policy, production and cost and the analysis of various market structures, distribution of income, and international and welfare economics. There is a required research project.

# Educational Foundations Course Descriptions

## **EDFD 6003: Educational Research**

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

## **EDFD 6043: Current Issues in Human Learning**

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A detailed study of some current issues in human learning which reflects the concerns of classroom teachers as they apply psychology to teaching. Course is designed to serve both elementary and secondary teachers.

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

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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**

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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**

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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 and Historical Factors in Education**

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The study of education and various social groups, including the effects of various societies and educational systems.

## **EDFD 6503: Classroom and Behavioral Management**

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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.

## **EDFD 6703: Guidance in Education**

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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 6881,6882,6883: Workshop**

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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**

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This course allows students additional time to research and compose their capstone project/portfolio.

## **EDFD 6993: Project in Educational Research**

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Study and directed research on a topic selected by the student in consultation with a supervising professor.

# Educational Leadership Course Descriptions

## **EDLD 6002: Administrative Law**

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An introduction to the legal environment of the school. The course will cover legal concepts, regulations, and codes for school operation. Special emphasis will be given to administrators' knowledge of the proper implementation of policies, regulations, rules, and procedures in public schools.

## **EDLD 6013: School Organization and Leadership**

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Principles and concepts of school organization and the role of the educational leader.

## **EDLD 6023: Organizational Change**

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A study of change theory as it affects educational organizations with specific attention given to the public school system. The use of programs such as ACSIP in directing change within the school.

## **EDLD 6102: School Finance**

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A study of school budgeting, accounting techniques, and funding formulas.

## **EDLD 6113: Action Research and Data Analysis**

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This course will address the theories and practice of research with emphasis on action research for school improvement. The course will focus on gathering, accessing, and interpreting information needed for effective decision-making for high performing schools.

## **EDLD 6153: Communication with School and Community**

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Identification, study, and analysis of concepts and procedures to develop and implement effective communication and public relations strategies between the school and the community. Also includes community analysis, school issues, public responses, and policy development.

## **EDLD 6203: Education and Society: Continuities and Discontinuities**

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The relationship between society and educational systems including factors which have either positive or negative effects upon the stability of the system.

## **EDLD 6253: Instructional Leadership**

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Principles of effective instructional leadership including the role of the principal as an instructional leader focusing on the critical friend and clinical supervision models, curriculum and data analysis.

Note: This course is a prerequisite for EDLD 6402.

## **EDLD 6303: Technology as an Administrative Tool**

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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**

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A study of the elements and principles of curriculum design and construction for principals at the elementary, middle and secondary school levels. The course considers the school leader's role in curriculum development, implementation and evaluation.

## **EDLD 6352: Physical Environment of Schools**

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A study of the effects of the physical environment of the school upon instruction and learning. The course will include the development of physical plants conducive to and effective for learning.

## **EDLD 6402: Working with the Marginal Performer**

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Prerequisite: EDLD 6253

The application of supervision in working with teachers with marginal success is the focus. The course will include a study of mentoring and teacher evaluations systems.

## **EDLD 6551: Administrative Internship**

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Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system.

\$25 internship fee.

## **EDLD 6552: Administrative Internship**

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Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system.

\$50 internship fee.

## **EDLD 6554: Administrative Internship**

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Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system.

\$100 internship fee.

## **EDLD 6891,6892,6893: Independent Study**

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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.

## **EDLD 6991: Professional Portfolio**

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

Note: After completing this course, students who do not successfully present their portfolio the semester they are scheduled for review will be required to reenroll the semester they request to reschedule for review.

## **EDLD 7003: Seminar in Systems Issues**

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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 7022: Building a Leadership Community**

---

School leaders must have the knowledge, competence, and belief system to positively shape a school's culture. This requires a thorough understanding of purposeful, systematic change and skills in positive interpersonal relationships, collaboration, verbal and non-verbal communication, conflict resolution, leadership teams and organizational management.



## **EDLD 7023: School Board Relations**

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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**

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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 7101: Administrative Internship in Educational Facilities**

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This is 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 educational facilities and transportation services. It applies reflective practice under the direction of a practitioner mentor and a university advisor and utilizes existing sites, new sites, and planning sessions.

\$25 internship fee.

## **EDLD 7112: Advanced Legal Issues**

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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 7113: Seminar in Current Issues**

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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 7122: Educational Facilities**

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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 7132: School Finance for District Level Administration**

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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**

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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 7201: Administrative Internship in District Level Finance**

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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.

\$25 internship fee.

## **EDLD 7202: Administrative Internship in School Accountability Systems**

---

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.

\$50 internship fee.

### **EDLD 7891,7892,7893: Independent Study**

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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.

# Educational Media Course Descriptions

## **EDMD 5033: Introduction to Instructional Technology**

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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 6113: Microcomputers for Education and Training**

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A study of the use of the microcomputer for administrative, instructional, and classroom management uses in educational and training settings. School-wide classroom and training facility uses and applications in the following areas will be emphasized: word processing, spreadsheet and database management, test bank, grade book, test scoring, CAI, skill development, and desktop publishing.

## **EDMD 6123: Audio in Media**

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Prerequisite: EDMD 5033 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 Instructional Materials**

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Prerequisite: EDMD 5033 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**

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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**

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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 Media**

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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**

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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**

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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**

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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**

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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**

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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 6881,6882,6883: Workshop**

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Prerequisite: Permission of instructor.

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

### **EDMD 6891,6892,6893: Instructional Technology Curriculum**

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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 Course Descriptions

## **ELEG 5113: Digital Signal Processing**

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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**

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Prerequisites: ELEG 2131 and 2133.

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**

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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**

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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 6103: Power Electronics**

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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 cyclo-converters, controlling techniques for DC and AC machines will be presented.

## **ELEG 6123: Advanced Semiconductors**

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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**

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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**

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Prerequisites: ELEG 3133, ELEG 4113, ELEG 3003 and ELEG 2803 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**

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Prerequisites: ELEG 4113, ELEG 3003, COMS 2803 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**

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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**

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Prerequisites: ELEG 3133, ELEG 4303, ELEG 3003, COMS 2803 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 6881,6882,6883,6884: Special Topics in Engineering**

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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 6891,6892,6893,6894,6895,6896: Independent Study**

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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.

# Elementary Education Course Descriptions

## **ELED 5333: Teaching Reading and Study Strategies in the Content Area**

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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**

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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**

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Prerequisite: ELED 6323.

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**

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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**

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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 6881,6882,6883: Workshop**

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Prerequisite: Permission of instructor.

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

## **ELED 6891,6892,6893,6894: 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**

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Directed research on a thesis topic. If the six-hour thesis (ELED 6996) has not been completed during the semester(s) of enrollment, the student must register for ELED 6991 during subsequent semesters in which he/she is receiving faculty assistance with the thesis and/or using University library facilities.

## **ELED 6996: Thesis Research**

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Directed research on a thesis topic selected by the student in consultation with a supervising professor.

# Emergency Mgmt Homeland Securi Course Descriptions

## **EMHS 5003: Principles and Practice of Disaster Relief and Recovery**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

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 can not take EMHS 5003 for credit.

## **EMHS 5043: Disaster and Emergency Management Ethics**

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Prerequisite: consent of instructor

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 can not take EMHS 5043 for credit.

## **EMHS 5053: Community Management of Hazardous Materials**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

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 can not take EMHS 5053 for credit.

## **EMHS 5991,5993: Special Problems and Topics**

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Prerequisites or acceptable equivalencies: EMHS 6063 or consent of instructor.

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.

## **EMHS 5992: Special Problems and Topics**

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Prerequisites or acceptable equivalencies: EMHS 6063 or consent of instructor.

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.

## **EMHS 6003: Design and Management of Preparedness and Mitigation Systems**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

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**

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Prerequisites or Co-requisites: EMHS 6063 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: Foundation of Leadership**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

Examines the past and present models of leadership. Topics include current context for leadership and personal leadership styles. Case studies are utilized in both the public and private sectors in relation to emergency management.

## **EMHS 6043: Contemporary Issues in Emergency Management**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

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: Legal Issues in Emergency Management**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

Involves research, analysis, and discussion of laws that affect emergency management. Emphasis will be placed on the legal obligations of the emergency management professional utilizing case studies and contemporary examples.

## **EMHS 6063: Principles of Hazard and Emergency Management**

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Provides an overview of hazards theory, emergency management fundamentals, and the science of various hazards. Both natural and technological hazards are studied with the perspective of emergency management. Some of the topics include earthquakes, tsunami, volcanoes, floods, wildfires, terrorism, tornadoes, winter storms, and hurricanes.

## **EMHS 6073: Introduction to Terrorism**

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Prerequisites or Co-requisites: EMHS 6063 consent of instructor.

This course is an overview of terrorism in which students will explore various aspects of terrorism in a Post 9/11 world leading to a basic understanding of a global phenomenon. Subject matter will include the history of terrorism, its strategies, and why those strategies are effective. The student will examine the psychology of fundamentalist religious movements and extreme political organizations. While studying the effects of terrorism, the student will examine governmental concerns, preparedness and response operations and the politics of dealing with terrorism.

## **EMHS 6083: Business Continuity Project Management**

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Prerequisites: EMHS 6043 and EMHS 6063 or consent of instructor

EMHS 6083 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 6103: Research Design and Methods**

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Prerequisites or Co-requisites: EMHS 6063 or consent of instructor.

Demonstrates the comprehension of research, design, and methods. Qualitative and quantitative methods are discussed along with the utilization of the scientific method. Professionalism and models for research are also covered.

## **EMHS 6123: Applied Data Analysis**

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Prerequisites: EMHS 6043, EMHS 6063, and EMHS 6103

This course is designed to develop and extend basic data-analytic skills that students will need for their individual research project. As indicated by the course title it is an applied (and not a technical) course in which you will learn by

observing and engaging in the authentic activities of data-analysis. The use of new statistical techniques will be "modeled" in class, and then applied to real problems in a lab setting.

## **EMHS 6193: Introduction to International Emergency Management**

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Prerequisites: EMHS 6043 and EMHS 6063 or consent of instructor

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**

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Prerequisites: EMHS 6043 or EMHS 6063 or consent of instructor

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**

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Prerequisites: EMHS 6043 and EMHS 6063 or consent of instructor

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**

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Prerequisites: EMHS 6043 and EMHS 6063 or consent of instructor

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 6311,6312: Thesis Seminar**

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Prerequisite: EAM 6303.

This is a variable credit class that can be repeated for a total of three (3) credits. It is required to complete three (3) hours for graduation. Students will be required to develop and defend a formal thesis as approved by the supervising professor and committee. The thesis will be presented in a seminar to faculty, staff, and other graduate students.

## **EMHS 6403: Action Research Practicum I**

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Prerequisites: EMHS 6103, EMHS 6043 and EMHS 6063 or consent of instructor.

Creates a research proposal resulting in the design and completion of the research project. The topic and design is developed with the approval of a supervising professor.

## **EMHS 6413: Capstone Research Practicum II**

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Prerequisite: Completion of EMHS 6403 or consent of the instructor.

This professional seminar 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 students for transition to a professional position following completion of the degree.

## **EMHS 6423: Internship for Professional Practice**

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Prerequisites: EMHS 6043, EMHS 6063, and EMHS 6103

This is an applied course where the student will participate actively in a supervised professional experience. A minimum of 100 hours of relevant work experience must be completed at an approved internship site. The student will work with an advisor to have a site approved at least one semester in advance. The student is required to create blog entries, a portfolio, and a final presentation. The purpose of the course requirements is to share, analyze, and evaluate the experiences during the practical internship and to integrate these experiences with the Department of Emergency Management Core Competencies.

## **EMHS 6513: Technology for Comprehensive Emergency Management**

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Prerequisites: EMHS 6043 and EMHS 6063

Covers the technologies that are applied during each of the phases of emergency management. This can include information management, message handling, Geographic Information Systems (GIS), the Global Positioning System (GPS), material release modeling, situational analysis, and hazard analysis tools.

## **EMHS 6543: Advanced Digital Technology Applications in EM**

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Prerequisites: EAM 4023 or EMHS 6513 and EMHS 6043 and EMHS 6063 or consent of instructor

The course emphasizes the utilization of computer Emergency Management applications literacy, information requirements, acquisition, analysis, modeling and data base management; decision support systems and the integration of multiple software platforms into situational awareness fusion products.

## **EMHS 6563: Situational Awareness of Environmental Threats**

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Prerequisites: EMHS 6043 and EMHS 6063 or consent of instructor

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 6891,6892,6893: Independent Study**

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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.

## **EMHS 6933: Research I**

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Prerequisite: EMHS 6103

Create a research proposal resulting in the design of the research project. Defend the research proposal before the research committee, as determined by the EM Department Head and Graduate Program Director. The topic and research design is developed with approval by the Committee Chair, Graduate Program Director, and Dean of Graduate College.

## **EMHS 6943: Research II**

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Prerequisites: EMHS 6123 and EMHS 6933 or consent of instructor

Students will submit their completed formal research document (Thesis or Article suitable for publication). Students will successfully complete their Oral Defense of their research project.

## English Course Descriptions

### **ENGL 5023: Second Language Acquisition**

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An investigation and analysis of the theoretical foundation of learning a second language as a guide to the effective teaching of English to limited English proficiency (LEP) students.

Note: May not be taken for credit after completion of ENGL 4023.

### **ENGL 5083: Seminar: English Language**

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Course content will vary.

Note: May be taken for credit after completion of ENGL 4083 or ENGL 5083 if course content differs.

### **ENGL 5093: Seminar in Creative Writing**

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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 if course content varies.

### **ENGL 5173: Seminar in Film Studies**

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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.

### **ENGL 5213: American Folklore**

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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**

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Course content will vary.

Note: May be taken for credit after completion of ENGL 4283 or ENGL 5283 if course content differs.

### **ENGL 5383: Seminar: American Literature**

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Course content will vary.

Note: May be taken for credit after completion of ENGL 4383 or ENGL 5383 if course content differs.

### **ENGL 5483: Seminar: British Literature**

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Course content will vary.

Note: May be taken for credit after completion of ENGL 4483 or ENGL 5483 if course content differs.

### **ENGL 5683: Seminar in Gender Studies**

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Course content will vary.

Note: May be taken for credit after completion of ENGL 4683 or ENGL 5683 if course content differs.

### **ENGL 5703: Teaching English as a Second Language**

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An investigation and practice in teaching different levels of English grammar, oral communication, comprehension skills, reading, and composition to foreign students.

Note: May not be taken for credit after completion of ENGL 4703.

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### **ENGL 5713: ESL Assessment**

An introduction to the tools, techniques, and procedures for evaluating the English proficiency and language development of ESL students.

Note: May not be taken for credit after completion of ENGL 4713.

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### **ENGL 5723: Teaching People of Other Cultures**

An examination of cultural diversity in Arkansas and the United States, designed for prospective ESL teachers.

Note: May not be taken for credit after completion of ENGL 4723.

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### **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.

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### **ENGL 6013: Structure of the English Language**

A study of the grammatical system of English through three different approaches: traditional, structural, and transformational-generative.

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### **ENGL 6023: Composition Theory and Practice.**

A study of composition theory, practice, and pedagogy.

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### **ENGL 6033: Rhetoric**

A study of the history, theory, and application of rhetoric.

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### **ENGL 6083: Seminar in Linguistics**

Course content will vary.

Note: May be taken for credit after ENGL 6083 if course content varies.

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### **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.

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### **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.

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### **ENGL 6813: Directed Readings**

A study of literary works selected from the M.A. in English Examination Reading List.

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### **ENGL 6863: TESL Practicum**

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Prerequisites: ENGL 5703 or TESL 5703 and at least nine hours toward the MA TESOL degree or permission of the instructor.

ENGL 6893 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 6881,6882,6883,6884,6885,6886: Workshop**

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Prerequisite: Permission of instructor.

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

### **ENGL 6891,6892,6893,6894: 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.

### **ENGL 6991,6992,6993,6994,6995,6996: Thesis Research**

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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.

## Fisheries Wildlife Biology Course Descriptions

### **FW 5003: Principles of Wildlife Management**

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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**

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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. \$20 laboratory fee.

### **FW 5024: Limnology**

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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. \$20 laboratory fee.

### **FW 5034: Geographic Information Systems in Natural Resources**

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Offered: Spring

Prerequisites: A 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. \$20 laboratory fee.

### **FW 5054: Waterfowl Ecology and Management**

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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.

\$20 laboratory fee.

### **FW 5064: Wetland Ecology and Management**

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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. \$20 laboratory fee.

## **FW 5103: Human Dimensions of Fisheries and Wildlife Management**

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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**

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Offered: Fall of even years

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 5881,5882,5883,5884: Advanced Topics**

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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 if content is different.

## **FW 6001: Graduate Seminar in Fisheries and Wildlife Biology**

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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.

## **FW 6002: Research Methods I**

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Prerequisites: A course in statistics.

Methods for literature review, experimental design, and thesis proposal development.

## **FW 6012: Research Methods II**

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Prerequisites: A course in statistics.

Methods for data analysis and thesis preparation.

## **FW 6013: Population Dynamics**

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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**

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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**

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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**

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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 Examination**

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Offered: Annually

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 6891,6892,6893,6894: 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.

### **FW 6991,6992,6993,6994,6995,6996: Thesis Research**

---

Research on a topic culminating in a written thesis.

## French Course Descriptions

### **FR 6801: Cultural Immersion and Research**

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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 Course Descriptions

### **GEOG 6893: Independent Study**

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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 Course Descriptions

### **GEOL 6881,6882,6883,6884: Workshop**

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

# Health Informatics Course Descriptions

## **HI 5092: Research in HIM**

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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.

## **HI 6053: Emerging Trends in Health Information Technology**

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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.

## **HI 6063: Leadership in Health Informatics**

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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**

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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.

## **HI 6083: Health Care Policy**

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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**

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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.

## **HI 6991,6992,6993,6994,6995,6996: 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.

## History Course Descriptions

### **HIST 5023: Vietnam War**

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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 5153: History of Arkansas**

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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 3153 or HIST 4153 or equivalent.

### **HIST 5183: American Legal History**

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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**

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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 5403: Interpretation/Education through Museum Methods**

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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.

### **HIST 5503: History of Christianity**

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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**

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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: Historical Methods**

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Prerequisite: Permission of the instructor or Department Head.

General methods of, and approaches to, historical research and writing, including theories, current approaches, problems, and debates. 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**

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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**

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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**

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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**

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Prerequisite: HIST/ANTH/RP/MUSM 5403 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**

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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**

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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**

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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**

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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**

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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 6891,6892,6893,6894: Independent Study**

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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 6991,6992,6993,6994,6995,6996: Thesis Research**

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Prerequisite: Permission of the instructor or Department Head.

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

# Information Technology Course Descriptions

## **INFT 5053: Information Systems Resource Management**

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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**

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Prerequisite: One year of programming in a high-level language, or a two semester sequence of programming courses.

Techniques for specifying, designing, developing and testing medium-scale software.

## **INFT 5203: Database Systems**

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Prerequisite: INFT 5403.

An in-depth study of creating databases in a personal productivity package, including relational database design, generation of customized interfaces, and importing/exporting data to other packages. Survey of applications of personal databases in education and industry.

## **INFT 5303: Developing and Administering Web Sites**

---

Prerequisite: INFT 5403.

The World Wide Web, Web browser, and web servers. Developing web pages. HTML and HTML editors. Characteristics of a good web site. Installing and configuring web browsers and web servers. 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**

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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 5700: Computer Networks Lab**

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Co-requisite: INFT 5703.

Students will complete network lab exercises in support of INFT 5703.

## **INFT 5703: Computer Networks**

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Prerequisites: INFT 5403 and INFT 5413.

Study of the concepts involved in interconnecting computers. Introduction to network topologies, routing, protocols, and security. Survey of network operating systems.

## **INFT 5981,5982,5983: Special Topics**

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A treatment of subjects not routinely covered in other courses. Subjects will vary.

Note: May be repeated for a maximum of six (6) hours.

## **INFT 6013: Decision Support Systems**

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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 6203: Database Development and Administration**

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Prerequisites: INFT 5103 and INFT 5203.

A thorough introduction to accessing and maintaining a database via programming interface. Database administration features of SQL. Installation and tuning of a database.

## **INFT 6303: Design of Web-Based Information Systems**

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Prerequisites: INFT 5203 and INFT 5303.

A survey of methods for providing web- based access to data across a network. Common Gateway interface. Use of generation tools for developing web-based forms. Storing form data into a database. Retrieving information from a database and formatting it for presentation through the web and through e-mail. Client-based processing of data. Audio and video mechanisms support.

## **INFT 6403: Information Systems Analysis and Design**

---

Co-requisite: INFT 5203.

A study of 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 6700: Heterogeneous Networks Lab**

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Co-requisite: INFT 6703.

Students will complete network lab exercises in support of INFT 6703.

## **INFT 6703: Heterogeneous Networks**

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Prerequisites: INFT 5503 and INFT 5703.

Networking in a heterogeneous environment.

## **INFT 6903: Emerging Trends in Information Technology**

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Prerequisite: Permission of the coordinator.

Study of emerging trends in information technology. Analyzing and reporting on these trends.

## **INFT 6973: Thesis Research in Information Technology I**

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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 in a later semester to complete the entire six (6) hour thesis research.

## **INFT 6983: Thesis Research in Information Technology II**

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Prerequisite: INFT 6973.

A continuation of the six-hour thesis research. Students may not enroll in this course with INFT 6991-3 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 6991,6992,6993: Internship**

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Prerequisite: Approval of a project proposal by the MSIT Graduate Committee or the Instructor.

Students will develop and/or maintain a sponsored computer laboratory or an information system. Duties will include determining user needs, writing and presenting a laboratory or system development/ maintenance plan, and supporting the laboratory or system for a semester. The internship will require the equivalence of four clock hours per week of direct client interaction per credit hour earned.

Note: This course can be repeated up to six (6) total credit hours in different semesters.

# Journalism Course Descriptions

## **JOUR 5023: Social Media**

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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**

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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**

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A study of ethical theory and basic principles needed in solving ethical challenges facing media professionals.

## **JOUR 5053: Mass Communication Seminar**

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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 when course content changes.

## **JOUR 5073: Graphic Communication**

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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: Computer Mediated Communication**

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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**

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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**

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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**

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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**

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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**

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Visual Storytelling covers the fundamentals of enhanced story development using mobile media platforms for journalistic publication.

## **JOUR 6023: Video Production for New Media**

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Prerequisites: JOUR 6013.

This course focuses on the art and science of documentary film making, specifically geared toward publication to new media audiences.

## **JOUR 6053: Media and Society**

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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**

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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**

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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 6331,6332,6333: Professional Portfolio**

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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.

## **JOUR 6891,6892,6893,6894: 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.

## **JOUR 6991: Project or Thesis Research Continuation**

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This course allows students additional time to research and compose their capstone project/portfolio.

## **JOUR 6996: Professional Project**

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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.

## Liberal Arts Course Descriptions

### **LA 6013: Introduction to the Liberal Arts**

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A study of the ideas, methods, and resources appropriate to the disciplines in the liberal arts.

### **LA 6711,6712,6713: Liberal Arts Project**

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Completion of creative or research project. Grade received for successful completion of project is credit (CR).



## Library Media Course Descriptions

### **LBMD 6003: Selection of Instructional Materials**

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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**

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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**

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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**

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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**

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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 Adolescents**

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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.

# Management Course Descriptions

## **MGMT 5053: Small Business Management**

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Prerequisite: MGMT 6003

Application of business management principles to the creation and operation of small scale enterprises. Emphasis on the preparation and implementation of business plans for such enterprises. There is a required research project.

## **MGMT 5083: Business Policy**

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

As the capstone course in the MSBA, 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 is a required research project.

## **MGMT 5203: Project Management**

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Prerequisites: Graduate standing in the School of Engineering, COMS 1003 or BUAD 2003 or higher level microcomputer applications course, or instructor approval.

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 5223: Leadership: Ideas and Images in Art, Film, History, and Literature**

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Prerequisites: MGMT 6003

This course probes the definition, meaning, practice, and paradox of leadership by exploring ideas and images found in diverse domains such as film, art, literature, and history. These ideas and images are used as a platform for examining leadership challenges and for developing personal insights into leadership practice, issues and values. There is a required research project.

## **MGMT 6003: Survey of Management and Organizational Behavior**

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This course examines the principles and theories of corporate management including planning, organizing, leading, controlling, staffing, decision making, ethics, organizational influence, behavior, change and development. There is a required research project.

## Master Arts Early Childhood Course Descriptions

### **MAEC 6033: PRIN CHILD DEV/CLASSROOM MGMT**

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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: INSTRUCT/ASSESS/DIVERSE LEARN**

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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 CHILD CURR/YOUNG CHILD**

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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: DIAGNOST/LITERACY INSTR/INTERV**

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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**

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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 Teaching Course Descriptions

### **MAT 5703: TECHNOLOGY/TEACHING/LEARNING**

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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**

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

### **MAT 6043: PRINCIPLES/THEORIES/LEARNING**

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

### **MAT 6053: AT-RISK CHILD/SCH ENVIRONMENT**

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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/HIST/LEGAL FACTORS/EDU**

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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 MGMT**

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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 Course Descriptions

## **MATH 5103: Linear Algebra II**

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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 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**

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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**

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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**

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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**

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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**

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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**

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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 6881,6882,6883: Workshop**

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Prerequisite: Permission of instructor.

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

### **MATH 6891,6892,6893,6894: 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**

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This course allows students additional time to research and compose their capstone project/portfolio.

# Marketing Course Descriptions

## **MKT 5053: Sport and Event Marketing**

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Prerequisite: MKT 6003

To apply marketing concepts to sporting, cultural, historical, and charitable activities and events. To examine the performance, production, and promotional segments of the sport and event markets. There is a required research project.

## **MKT 5093: International Marketing**

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Prerequisite: MKT 6003

Analysis of opportunities, distinctive characteristics and emerging trends in foreign markets, including exploration of alternative methods and strategies for entering foreign markets; organizational planning and control; impact of social, cultural, economic and political differences; and problems of adapting American marketing concepts and methods. There is a required research project.

## **MKT 5143: Marketing Management**

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Prerequisite: MKT 6003

Advanced study of decisions facing a marketing executive. Topics covered include product planning, consumer behavior, promotion, sales management, and pricing. There is a required research project.

## **MKT 6003: Marketing Strategy and Research**

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Marketing principles and framework from a managerial perspective; role of basic marketing functions (price, product, distribution, promotion) and use of statistical analysis in determination and implementation of strategy and other marketing decision making activities; significance of legal and ethical precepts; increasing role of global marketing activities. There is a required research project.

# Mechanical Engineering Course Descriptions

## **MCEG 5043: Physical Metallurgy**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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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. Mult 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**

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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**

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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**

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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**

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Offered: Once every two years

Prerequisites: MCEG 6013.

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**

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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**

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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**

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Prerequisites: PHYS 3213, MCEG 3503, MATH 5243.

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**

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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**

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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**

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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 6881,6882,6883: Workshop**

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Prerequisite: Permission of instructor.

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

### **MCEG 6891,6892,6893,6894,6895,6896: Independent Study**

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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.

## Middle Level Education Course Descriptions

### **MLED 5013: Teaching the Young Adolescent**

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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**

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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**

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Prospective middle level teachers will study the educational implications of the economic, cultural, racial, and intellectually diverse middle level classroom.

## Museum Course Descriptions

### **MUSM 5403: Interpretation/Education through Museum Methods**

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Prerequisites: Senior or Graduate standing, or permission of instructor.

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.

## Music Course Descriptions

### **MUS 5803: History of American Music: Jazz and Folk**

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An in-depth study of folk music and the relationship between these forms and American life. 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**

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Cross-listed: ANTH 5853

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**

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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 Course Descriptions

## **NUR 6103: Theoretical Perspectives**

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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.

## **NUR 6203: Research Design and Methods**

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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.

## **NUR 6213: Epidemiology**

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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.

## **NUR 6303: Law, Ethics, and Health 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.

## **NUR 6313: The Role of the Nurse Administrator**

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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.

## **NUR 6403: Non-Thesis Project**

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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.

## **NUR 6503: Organizational Behavior and Human Resource Management**

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Prerequisite: NUR 6313

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.

## **NUR 6513: Fiscal Management in Health Care System**

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Prerequisite: NUR 6313

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.

## **NUR 6526: Nursing Administration Practicum**

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Prerequisites: 24 hours of core courses and NUR 6503 and NUR 6513.

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.

## **NUR 6603: Crisis Intervention in Disasters**

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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.

## **NUR 6991,6992,6994,6995,6996: Research Thesis/Project**

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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.

## Philosophy Course Descriptions

### **PHIL 5093: American Philosophy**

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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 Course Descriptions

## **PE 5013: Structural and Mechanical Kinesiology Concepts**

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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**

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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 6013: Principles of Physical Education**

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Prerequisites: PE 2523, PE 4103, and three (3) credit hours of physical education pedagogy methodology, or approval by department head.

Basic principles of physical education and their application to the physical education program. Major schools of philosophical thought, leaders, and forces affecting past and present development of physical education.

## **PE 6023: Curriculum Development in Physical Education**

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Prerequisite: Three credit hours of pedagogy methodology or approval by department head.

A comprehensive study of curriculum development in physical education.

## **PE 6033: Exercise Physiology**

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Prerequisites: PE 4033, 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: Psychology of Motor Learning**

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Prerequisites: PE 2653 and PE 3663, or approval by department head.

Provides an understanding of psychological principles involved in motor performance.

## **PE 6053: Biomechanics**

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Prerequisites: PE 2653, PE 3663, 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**

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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**

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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 Design and Statistics in Physical Education**

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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 6881,6882,6883: Workshop**

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Prerequisite: Permission of instructor.

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

### **PE 6891,6892,6893,6894: 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.

### **PE 6993: Thesis Research**

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Directed research on a thesis topic selected by the student in consultation with a supervising professor.

## Physical Science Course Descriptions

### **PHSC 6883: Workshop**

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Prerequisite: EDFD 6003 or permission of instructor.

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

## Physics Course Descriptions

### **PHYS 6881,6882,6883,6884: Workshop**

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

## Political Science Course Descriptions

### **POLS 6893: Independent Study**

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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 Course Descriptions

## **PSY 5013: History of Psychology**

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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**

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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**

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Cross-listed: SOC 5043

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**

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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**

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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.

## **PSY 6023: Research Design**

---

Prerequisite: PSY 6013 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**

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Prerequisite: PSY 6013 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**

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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**

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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**

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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**

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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**

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Prerequisites: PSY 6013, PSY 6023, 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.

## **PSY 6091,6092,6093: Advanced Field Placement**

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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.

## **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 6891,6892,6893,6894: Independent Study**

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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.

### **PSY 6991: Project or Thesis Research Continuation**

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This course allows students additional time to research and compose their capstone project/portfolio.

### **PSY 6993,6994,6995,6996: Thesis Research**

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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.



# Sociology Course Descriptions

## **SOC 5003: Minority Relations**

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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**

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Cross-listed: CJ 5013

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

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**

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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**

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Prerequisite: BA or BS in Sociology or related field.

A study of social class and consequences for society and individuals.

## **SOC 5183: Social Gerontology**

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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**

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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**

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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**

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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**

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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**

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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. 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**

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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. The focus of this course will vary from offering to offering, thus students may take the course more than once.

### **SOC 6891,6892,6893,6894: Independent Study**

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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.

### **SOC 6991,6992,6993: 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.

# Strength Conditioning Studies Course Descriptions

## **SCS 6013: Measurement and Evaluation in Strength and Conditioning**

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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**

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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**

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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**

---

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**

---

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: Readings in Strength and Conditioning**

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This course is designed to enhance the student's ability to critically analyze and evaluate contemporary strength and conditioning literature.

## **SCS 6103: Professional Project**

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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.

## Secondary Education Course Descriptions

### **SEED 5333: Teaching Reading and Study Strategies in the Content Area**

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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 6881,6882,6883: Workshop**

---

Prerequisite: Permission of instructor.

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

### **SEED 6891,6892,6893,6894: 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**

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Directed research on a thesis topic. If the six (6) hour thesis (SEED 6993 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 during subsequent semesters in which he/she is receiving faculty assistance with the thesis and/or using University library facilities.

### **SEED 6993: Thesis Research**

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Directed research on a thesis topic selected by the student in consultation with a supervising professor.

## Special Education Course Descriptions

### **SPED 5003: Characteristics of Children with Exceptionalities**

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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 and Design (birth-4th grade)**

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A study of the theory, materials, methods and instructional techniques applicable to special needs analysis. Also offers a brief examination of experiences during the early childhood education years - birth through fourth grade. This course examines challenged literacy development encompassing writing, reading, and oral language development of young children in the home and school environment.

### **SPED 5023: Planning Instruction for Children with Exceptionalities**

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This is a study of current theories and procedures utilized in the development of programs for children with special needs. Focus is on disciplines, strategies, and materials involved with special needs instruction planning and execution.

### **SPED 5033: Working with Families of Children with Exceptionalities**

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This course is a brief examination of the impact of children with special needs on the roles within the family. Study will also briefly examine impact of specialized educational programs and their role in aiding and assisting families.

### **SPED 5043: Supervised Practicum**

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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, 4th ? 12th Grades**

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Offered: Once per calendar year

This course is a hands-on course in planning for the instruction of children, specifically children in the middle and secondary grades, 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 5063: Supervised Practicum: Grades 4th - 12th**

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Offered: Once per calendar year

Prerequisites: SPED 5003, SPED 5013, SPED 5053, SPED 5033, EDFD 6053, or advisor approval.

This class is a supervised participation in an appropriate school, or institution dealing with children with exceptionalities, grades 4-12; and providing a practical, hands-on application of teaching methods and ideas.

## Speech Course Descriptions

### **SPH 5003: Human Communication Theory**

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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 SPH 4003.

### **SPH 5053: Speech Communication Seminar**

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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 SPH 4053 unless the topics differ.

### **SPH 5063: Organizational Communication**

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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 SPH 4063.

### **SPH 5123: Rhetorical Criticism**

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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 SPH 4123.

### **SPH 5153: Persuasive Theory & Audience Analysis**

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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.

### **SPH 6893: Independent Study**

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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.

# Teach English Second Language Course Descriptions

## **TESL 5023: Second Language Acquisition**

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This course provides an introduction to the major theories of language acquisition and their applications to the instruction of ESL students.

Note: Required for the ESL Endorsement in Arkansas.

## **TESL 5703: Teaching English as a Second Language**

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This course is an introduction to the methodology in teaching listening, speaking, reading and writing English, as well as core content, to ESL students.

Note: Required for the ESL Endorsement in Arkansas.

## **TESL 5713: ESL Assessment**

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This course is an introduction to ESL assessment strategies and tools, the design and evaluation of classroom tests, and the design and use of alternative assessment strategies and tools.

Note: Required for the ESL Endorsement in Arkansas.

## **TESL 5723: Teaching People of Other Cultures**

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This course provides an introduction to issues in language and culture, including sociolinguistic variations due to age, sex, social class, and ethnicity.

Note: Required for the ESL Endorsement in Arkansas.

## **TESL 6003: Linguistics for ESL Teachers**

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Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723.

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**

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Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723.

Investigation of the structure of the systems of American English as it applies to teaching and learning of English as a second language. Emphasis will be on practical usage. Emanation of English grammar, mechanics, and usage; rules of punctuation, spelling, syntax, and usage related to oral and written production of English.

## **TESL 6023: Language and Society**

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Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723.

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 6033: Oral and Written Communication**

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Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723.

Examination of content and methodology in teaching listening, speaking, and pronunciation to diverse groups of ESL students.

## **TESL 6053: Tesol Assessment Strategies**

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Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723.

Examination of theory and practice in the design and evaluation of classroom tests and other assessment tools. Examination of the role of testing; survey of types of tests; criteria of tests; analysis of the tasks that require either listening, speaking, reading, writing, and the levels of communicative competence necessary to complete such tasks successfully; and evaluation of the appropriateness of various tests for ESL students.

## **TESL 6063: Instructional Strategies in Content Areas**

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Prerequisites: TESL 5023, 5703, 5713, and 5723.

Participants will learn strategies to help English language learners acquire the English language and content area objectives specified by the Arkansas core curriculum standards and the English language proficiency standards.

## **TESL 6066: Public School Experience**

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Prerequisite: Completion of the required 30 hours of graduate courses needed for the MA degree.

Supervised practical experience in the public school setting under the supervision of an ESL coordinator at the site and TESOL program director. The practicum curricular modifications and instructional practices resulting in the academic progress of the learners.

## **TESL 6076: Intensive English Internship**

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Prerequisite: Completion of the required 30 hours of graduate courses needed for the MA degree.

Supervised practical experience in an Intensive English Program under the supervision of the director of the program and the TESOL program director. The internship is one semester long. The practicum teacher will document appropriate curricular modifications and instructional practices resulting in the progress of the Intensive English learners.

## **TESL 6086: Overseas Internship**

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Prerequisite: Completion of the required 30 hours of graduate courses needed for the MA degree.

Supervised practical experience in an overseas English program under the supervision of the director of the program and the TESOL program director. The internship is one semester long. The practicum teacher will document appropriate curricular modifications and instructional practices resulting in the progress of the English learners overseas.

## **TESL 6143: Reading for English Language Learners**

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Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723.

This course will examine major differences between first and second language learners of English who are developing reading skills as well as appropriate and effective activities to promote vocabulary development and reading skills for learners whose second language is English.

## **TESL 6863: TESOL Practicum**

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Prerequisite: Completion of the 27 hours required for the MA degree or permission of the instructor.

TESL 6863 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 6891,6892,6893,6894: Independent Study**

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Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the University's graduate program.

## **TESL 6991: Project or Thesis Research Continuation**

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This course allows students additional time to research and compose their capstone project/portfolio.



## Teaching/Learning/Leadership Course Descriptions

### **MTLL 6003: School Organization and Leadership for Teacher Leaders**

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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**

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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**

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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**

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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**

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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**

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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**

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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**

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This course will explore theories and best practices that can lead to improved student performance.

### **MTLL 6233: Advanced Teaching and Learning**

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Prerequisite: MTLL 6223.

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**

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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**

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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**

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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**

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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**

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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**

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Assessment, to evaluate student performance, will be explored with the emphasis being on authentic assessments.

### **MTLL 6551,6552,6553,6554: Internship Practicum**

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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.

\$25 per credit hour internship practicum fee.

## Theatre Course Descriptions

### **TH 5283: Children's Theatre: Techniques and Practicum**

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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 SPH 4283 or equivalent.

### **TH 5313: Theatre History III -- 1900 to 1960**

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A study of European and American theatre during the first part of the twentieth century, including movements such as realism, symbolism, expressionism, epic theatre, and theatre of the absurd, and playwrights such as Ibsen, Chekhov, Strindberg, Maeterlinck, Shaw, Brecht, O'Neill, Williams, Lonesco, and Beckett.

Note: May not be taken for credit after completion of TH 4313 or equivalent.

### **TH 6893: Independent Study**

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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.

## Wellness Science Course Descriptions

### **WS 6013: Wellness Concepts and Applications**

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The course provides the advanced student the opportunity to explore cognitive health and wellness information relevant in our global community. Emphasis will be placed on application in behavior and behavior change.