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.

AACSB International-The Association to Advance Collegiate Schools of Business
600 Emerson Road, Suite 300
St. Louis, MO 63141-6762
(314) 872-8481

The School 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.

National Association of Schools of Music
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190
(202) 466-7496

National League for Nursing Accrediting Commission
61 Broadway-33rd Floor
New York, NY 10006
(703) 437-0700

Commission on Accreditation for Health Informatics and Information Management Education
(Health Information Administrator and Medical Assistant)
C/O AHIMA
233N. Michigan Avenue
Suite 2150
Chicago, IL 60601-5800
(312) 233-1131

Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology
111 Market Place, Suite 1050
Baltimore, MD 21202
(410) 347-7700
Enrolling In College

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

The basic responsibilities of selecting a major field, enrolling in the prescribed courses of study in the field, and complying with the University’s requirements for graduation rest with the student; however, University personnel will assist the student with problems encountered. Further assistance is offered in the form of capable departmental advisors, a full-time guidance and counseling service, and an appropriate graduation check list to serve as a reminder of the various graduation requirements.
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 both that the University is 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.
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# Academic Calendar
## 2005 - 2007

### Summer Session 2005

**First Term**
- Late registration for first term: June 6 - 7
- Classes begin: June 6
- Last day to register and add courses/change sections: June 7
- Last day to officially withdraw/drop courses with 80 percent reduction of fees: June 10
- Preregistration for freshmen for fall semester: May through August
- Last day to drop courses with a "W" or change from credit to audit: July 1
- Holiday: (Monday) July 4
- First term ends: July 8

**Second Term**
- Late registration for second term: July 11 - 12
- Classes begin: July 11
- Last day to register and add courses/change sections: July 12
- Last day to officially withdraw/drop courses with 80 percent reduction of fees: July 15
- Last day to drop courses with a "W" or change from credit to audit: August 5
- Orientation and assessment activities: August 6 - 23
- Second term ends: August 12

### Fall Semester 2005
- Registration: August 22 - 23
- Classes begin: August 24
- Last day to officially withdraw/drop courses with full reduction of fees: August 25
- Last day to register and add courses/change sections: August 30
- Labor Day Holiday: September 5
- Last day to officially withdraw/drop courses with 80 percent reduction of fees: September 28
- Mid-term: October 13
- Deadline for degree audit (transcript evaluation), December 2006 graduates: October 14
- Assessment activities: October 29 - November 5
- Preregistration for spring semester: November
- Thanksgiving Holidays: 5:00 p.m., November 22 to 7:00 a.m., November 28
- Last day to drop courses with a "W" or change from credit to audit: November 28
- Last day of classes: December 8
- Reading Day: December 9
- Final examinations: 6:00 a.m., December 12 to 3:00 p.m., December 16
- Graduation: December 17

### Spring Semester 2006
- Registration: January 12 - 13
- Martin Luther King Day Holiday: January 16
- Classes begin: January 17
- Last day to officially withdraw/drop courses with full reduction of fees: January 18
- Last day to register and add courses/change sections: January 23
- Last day to officially withdraw/drop courses with 80 percent reduction of fees: February 20
- Mid-term: March 7
- Deadline for degree audit (transcript evaluation), May 2007 graduates: March 10
- Spring Holidays: 7:00 a.m., March 20 to 7:00 a.m., March 27
- Assessment activities: April 1 - 8
- Deadline for degree audit (transcript evaluation), summer 2007 graduates: April 7
- Preregistration for fall semester: April
Last day to drop courses with a “W” or change from credit to audit April 21
Last day of classes May 4
Reading Day May 5
Final examinations 6:00 a.m., May 8 to 3:00 p.m., May 12
Graduation May 13

Summer Session 2006
(tentative)
First Term
Late registration for first term June 5 - 6
Classes begin June 5
Last day to register and add courses/change sections June 6
Last day to officially withdraw/drop courses with 80 percent reduction of fees June 9
Preregistration for freshmen for fall semester May through August
Last day to drop courses with a “W” or change from credit to audit (Tuesday) July 4
Holiday July 7
First term ends

Second Term
Late registration for second term July 10 - 11
Classes begin July 10
Last day to register and add courses/change sections July 11
Last day to officially withdraw/drop courses with 80 percent reduction of fees July 14
Last day to drop courses with a “W” or change from credit to audit August 4
Orientation and assessment activities August 5 - 22
Second term ends August 11

Fall Session 2006
(tentative)
Registration August 21 - 22
Classes begin August 23
Last day to officially withdraw/drop courses with full reduction of fees August 24
Last day to register and add courses/change sections August 29
Labor Day Holiday September 4
Last day to officially withdraw/drop courses with 80 percent reduction of fees September 27
Mid-term October 12
Deadline for degree audit (transcript evaluation), December 2007 graduates October 13
Assessment activities October 28 - November 4
Thanksgiving Holidays November
Last day to drop courses with a “W” or change from credit to audit November 27
Last day of classes December 7
Reading Day December 8
Final examinations 6:00 a.m., December 11 to 3:00 p.m., December 15
Graduation December 16

Spring Session 2007
(tentative)
Registration January 11 - 12
Martin Luther King Day Holiday January 15
Classes begin January 16
Last day to officially withdraw/drop courses with full reduction of fees January 17
Last day to register and add courses/change sections January 22
Last day to officially withdraw/drop courses with 80 percent reduction of fees February 19
Mid-term March 6
Deadline for degree audit (transcript evaluation), May 2008 graduates March 9
Spring Holidays 7:00 a.m., March 19 to 7:00 a.m., March 26
Assessment activities March 31 - April 7
<table>
<thead>
<tr>
<th>Event</th>
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<tbody>
<tr>
<td>Deadline for degree audit (transcript evaluation), summer 2008 graduates</td>
<td>April 6</td>
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<tr>
<td>Preregistration for fall semester</td>
<td>April</td>
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<td>Last day to drop courses with a “W” or change from credit to audit</td>
<td>April 20</td>
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<tr>
<td>Last day of classes</td>
<td>May 3</td>
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<tr>
<td>Reading Day</td>
<td>May 4</td>
</tr>
<tr>
<td>Final examinations</td>
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<tr>
<td>Graduation</td>
<td>May 12</td>
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<tr>
<td><strong>Summer Session 2007</strong></td>
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<td><strong>First Term</strong></td>
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<tr>
<td>Late registration for first term</td>
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<tr>
<td>Classes begin</td>
<td>June 4</td>
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<tr>
<td>Last day to register and add courses/change sections</td>
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<tr>
<td>Last day to officially withdraw/drop courses with 80 percent reduction of fees</td>
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<tr>
<td>Preregistration for freshmen for fall semester</td>
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<tr>
<td>Last day to drop courses with a “W” or change from credit to audit</td>
<td>June 29</td>
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<td>Holiday</td>
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<td>First term ends</td>
<td>July 6</td>
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<tr>
<td><strong>Second Term</strong></td>
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<tr>
<td>Late registration for second term</td>
<td>July 9 - 10</td>
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<tr>
<td>Classes begin</td>
<td>July 9</td>
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<tr>
<td>Last day to register and add courses/change sections</td>
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<tr>
<td>Last day to officially withdraw/drop courses with 80 percent reduction of fees</td>
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<td>Last day to drop courses with a “W” or change from credit to audit</td>
<td>August 3</td>
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<tr>
<td>Orientation and assessment activities</td>
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<tr>
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</table>

**NOTE:** The calendar for Weekend College classes or classes with unusual terms may differ from what is printed above. Please check with the instructor and/or the Registrar’s Office for more information.
Administration

Board of Trustees

W.R. "Bud" Harper ................................................................. Fort Smith
Fritz P. Kronberger .............................................................. Russellville
Sean McDougal ................................................................. Greenwood
Terry Rothwell ................................................................. Little Rock
Dean Wilburn ................................................................. Harrison

Administrative Officers

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

Jack R. Hamm, 1972 ..................................................... Vice President for Academic Affairs
B.S., Arkansas Tech University, 1964
M.S., University of Missouri at Rolla, 1968
Ph.D., University of Missouri at Rolla, 1972

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

Gary M. Biller, 2000 .................................................. Vice President for Student Services
B.S., Oklahoma State University, 1975
M.S., Oklahoma State University, 1976
Ph.D., University of Kansas, 1986

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

Administrative Staff

Michael Bogue ................................................................. Retention Counselor
Tosha Bradley ................................................................. Director of Upward Bound Program
Brittny Brough ................................................................. Admissions Officer
Pat Chronister ................................................................. Director of Academic Services
Linda Clarke ................................................................. Director of Academic Advising Center
Fred W. Clayton ............................................................. Director of Administrative Services
Paige Cooley ................................................................. Admissions Officer
Philip Covington ............................................................ Dean of Students
Carolyn C. Crawford ....................................................... Director of University Testing/Disability Services
Patricia Cunningham ....................................................... ATU Financial Analyst
Kelly Davis ................................................................. Director of Corporate and Foundation Relations
Gary Dennis ................................................................. Director of Public Safety
Shauna Donnell .............................................................. Director of Enrollment Management
Faye B. Drittler ................................................................. Accounting Supervisor
Diana J. Evans ................................................................. Assistant Registrar
Leanne Fender ................................................................. Director of Career Services
Debra Fithen ................................................................. Director of the Tech Loyalty Fund
Dennis Fleniken .............................................................. Director of Center for Teaching and Learning
Beth Foster ................................................................. Purchasing Agent
Jimmy R. Fulmer ............................................................. Academic Advisor
Shirley M. Goines ........................................................... Director of Student Aid
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tr>
<td>Danette Heckathorn</td>
<td>Associate Dean of Students/Counselor</td>
</tr>
<tr>
<td>Luke Heffley</td>
<td>Director of Special Projects</td>
</tr>
<tr>
<td>Gary H. Hodges</td>
<td>Controller</td>
</tr>
<tr>
<td>Rob Hogan</td>
<td>Coordinator of Greek Services and Spirit Squads</td>
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<tr>
<td>Linda Jackson</td>
<td>Academic Advisor</td>
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<tr>
<td>Linda Johnson</td>
<td>Director of Budget</td>
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<tr>
<td>Marilyn Johnson</td>
<td>Business Manager and Director of Student Accounts</td>
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<tr>
<td>Pete Kelly</td>
<td>Liaison, Upward Bound Program</td>
</tr>
<tr>
<td>Wesley Kellybrew</td>
<td>Liaison, Upward Bound Program</td>
</tr>
<tr>
<td>Stephen Kline</td>
<td>Director of Arkansas Center for Energy, Natural Resources and Environmental Studies</td>
</tr>
<tr>
<td>Jessica Lambert</td>
<td>Associate Registrar</td>
</tr>
<tr>
<td>Steve Lawrence</td>
<td>Associate Dean of Students</td>
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<tr>
<td>R. Herman Luebker</td>
<td>Director of Physical Plant</td>
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<tr>
<td>Julie Morgan</td>
<td>Director of Alumni Relations</td>
</tr>
<tr>
<td>Rose Morton</td>
<td>English Language Institute Coordinator</td>
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<tr>
<td>Dana Moseley</td>
<td>Director of Gift Planning</td>
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<tr>
<td>Theresa Motley</td>
<td>Assistant Director of Computer Services for Administrative Systems</td>
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<tr>
<td>Steve Mullins</td>
<td>Director of Athletics</td>
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<tr>
<td>Tommy L. Mumert</td>
<td>Director of News Bureau</td>
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<tr>
<td>Jackie Nichols</td>
<td>Director of Continuing Education and Community Services</td>
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<tr>
<td>Susie Nicholson</td>
<td>Assistant to the President for University Relations</td>
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<td>William A. Parton</td>
<td>Director of Library</td>
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<tr>
<td>Daniel Pearson</td>
<td>Technology Specialist, Emergency Administration and Management Program</td>
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<tr>
<td>Amy Pennington</td>
<td>Director of International and Multicultural Student Services</td>
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<td>Thomas Pennington</td>
<td>University Counsel</td>
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<td>Peggy Ramey</td>
<td>Admissions Officer</td>
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<td>Tammy Rhodes</td>
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<td>Kelley Roach</td>
<td>Coordinator of Intramural and Recreational Sports</td>
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<td>Michael B. Roys</td>
<td>Director of Professional Development Institute</td>
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<td>Marty Sabolo</td>
<td>Associate Dean of Students/Director of Housing</td>
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<tr>
<td>Merrell E. Shoptaw</td>
<td>Director of Computer Services</td>
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<tr>
<td>Larry Smith</td>
<td>Director of Sports Information</td>
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<tr>
<td>Judith Stewart-Abernathy</td>
<td>Director of Arkansas Tech University Museum of Prehistory and History</td>
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<tr>
<td>Ryan Taylor</td>
<td>Coordinator of Information Services</td>
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<tr>
<td>Kelly Tracy</td>
<td>Assistant Dean of Students/Assistant Director of Housing</td>
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<tr>
<td>Carol Trusty</td>
<td>Associate Vice President for Administration and Finance</td>
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<tr>
<td>David G. Underwood</td>
<td>Associate Vice President for Academic Affairs</td>
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<tr>
<td>Gail Vaughan</td>
<td>Bookstore Manager</td>
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<tr>
<td>Alisa Waniewski</td>
<td>Coordinator of Recruitment and Academic Scholarships</td>
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<tr>
<td>Wyatt Watson</td>
<td>Director of Institutional Research and Assessment</td>
</tr>
<tr>
<td>Kenneth D. Wester</td>
<td>Assistant Director of Computer Services for Networked Systems</td>
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<tr>
<td>Jasmine Wilson</td>
<td>Affirmative Action Officer</td>
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<tr>
<td>Rita Woolf</td>
<td>Director of Health and Wellness Center/Registered Nurse</td>
</tr>
<tr>
<td>Ernest Yang</td>
<td>Academic Advisor</td>
</tr>
<tr>
<td>Steven W. Zimmer</td>
<td>Director of Math and Science Institute</td>
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</tbody>
</table>
Academic Administration

School of Business
Thomas P. Tyler ......................................................... Dean
Pamela S. Carr .................................................. Chair, Accounting Department
Kevin H. Mason ................................................. Chair, Business and Economics Department

School of Community Education and Professional Development
Mary Ann Rollans ....................................................... Dean

School of Education
C. Glenn Sheets .......................................................... Dean
David Bell .......................................................... Chair, Curriculum and Instruction Department
Gwen Morgan .......................................................... Director of Teacher Education Student Services
M. Annette Holeyfield .............................................. Chair, Health & Physical Education Department
Mary Gunter .......................................................... Chair, Center for Leadership and Learning

School of Liberal and Fine Arts
Georgena D. Duncan ......................................................... Dean
Cathy Caldwell ....................................................... Chair, Art Department
W. Daniel Martin ..................................................... Chair, Behavioral Sciences Department
Carl W. Brucker .......................................................... Chair, English Department
Ursula Chandler ....................................................... Chair, Foreign Languages and International Studies Department
V. Andy Anders .......................................................... Chair, Music Department
Micheal Tarver ....................................................... Chair, Social Sciences and Philosophy Department
Donna Vocate .......................................................... Chair, Speech, Theatre & Journalism Department

School of Physical and Life Sciences
Richard R. Cohoon .......................................................... Dean
Charles Gagen .......................................................... Chair, Biological Sciences Department
Rebecca Burris .......................................................... Chair, Nursing Department
Jeff Robertson .......................................................... Chair, Physical Sciences Department

School of Systems Science
John W. Watson .......................................................... Dean
William C. Hoefler ..................................................... Chair, Agriculture Department
Larry Morell .......................................................... Chair, Computer & Information Science Department
Ronald Nelson .......................................................... Chair, Electrical Engineering Department
John Krohn ............................................................ Chair, Mechanical Engineering Department
Donald Carnahan ..................................................... Chair, Mathematics Department
Theresa A. Herrick ..................................................... Chair, Parks, Recreation and Hospitality Administration Department

Graduate School
Eldon G. Clary, Jr. .......................................................... Dean
SCOTT ADAMS, 1999
Assistant Professor of Instructional Technology
B.S., University of Central Arkansas, 1987; M.A., Purdue University, 1992.

ROBERT W. ALLEN, 1981
Professor of Chemistry
B.S., University of Oklahoma, 1969; M.S., University of Oklahoma, 1973; Ph.D., University of Oklahoma, 1975.

VREGE AMIRKHANIAN, 1989
Associate Professor of Mathematics
B.S., Tehran University, 1969; M.S., Oklahoma State University, 1973; Ph.D., Oklahoma State University, 1978.

VOLTA O. ANDERS, JR., 1968
Associate Professor of Music
Chair, Department of Music
B.A., Arkansas Tech University, 1967; M.M., Northwestern University, 1968.

GARY W. BARROW, 1981
Professor of Music
B.M.E., North Texas State University, 1969; M.M., Catholic University of America, 1973; Ph.D., North Texas State University, 1982.

LINDA C. BEAN, 2000
Associate Professor of Business
Chair, Department of Business
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
Chair, Department of Curriculum and Instruction

ERICK J. BLANDON, 2001
Assistant Professor of Spanish

ROBERT D. Bolen, 1970
Professor of Speech
Director of Forensics
B.S., Southeast Missouri State University, 1958; M.A., University of Colorado, 1970; Ph.D., University of Colorado, 1984.

CARL W. BRUCKER, 1984
Professor of English
Chair, Department of English
B.A., Rutgers University 1968; M.A., Rutgers University, 1976; Ph.D., Rutgers University, 1980.

CHARLES P. BUSCH, JR., 1986
Professor of Philosophy
B.A., Columbia University, 1971; M.A., University of Southern California, 1974; Ph.D., University of Southern California, 1977.

JERRY CANERDAY, 1994
Assistant Professor of Geography
B.S., Arkansas Tech University, 1988; M.A., University of Arkansas, 1991.

DONALD A. CARNAHAN, 1985
Professor of Mathematics
Chair, Department of Mathematics

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

E. URSULA CHANDLER, 1981
Professor of German
Chair, Department of Foreign Languages and International Studies
B.S., Illinois State University, 1965; Ph.D., Northwestern University, 1981.

ELDON G. CLARY, JR., 1967
Professor of Secondary Education
Dean of Graduate Studies
B.S.E., North Texas State University, 1962; M.Ed., North Texas State University, 1964; Ed.D., North Texas State University, 1968.

RICHARD R. COHOON, 1960
Professor of Geography
Dean, School of Physical and Life Sciences
B.A., Oklahoma City University, 1954; M.S., University of Oklahoma, 1959; Ed.D., Oklahoma State University, 1974.

RAYMOND E. COLE, 1970
Professor of Economics
B.S., Arkansas Tech University, 1969; M.A., University of Arkansas, 1970; Ph.D., University of Arkansas, 1978.

HAL D. COOPER, 1979
Associate Professor of Music
Director of Bands
B.M.E., Henderson State University, 1966; M.M.E., Henderson State University, 1974.

KANDIS S. CROOM, 2001
Assistant Professor of School Counseling

B. ALEXANDER DARKWAH, 1991
Professor of English and Developmental Reading
B.S., Cape Coast University, Ghana, 1972; M.S., Cape Coast University, Ghana, 1977; B.S., University of Mary Hardin Baylor, 1987; Ph.D., Texas A & M University, 1991.

THOMAS A. DEBLACK, 1995
Associate Professor of History
B.A., Southern Methodist University, 1973; M.S.E., Ouachita Baptist University, 1979; Ph.D., University of Arkansas, 1995.

GEORGENA D. DUNCAN, 1975
Professor of History
Dean, School of Liberal and Fine Arts
B.A., University of Arkansas, 1966; Ph.D., University of Liverpool, 1971.

PETER A. DUKEMA, 2001
Assistant Professor of History

ROGER FANG, 2001
Assistant Professor of Computer and Information Science

DENNIS W. FLENIKEN, 1975
Professor of Secondary Education
Director of Center for Teaching and Learning
B.S., Louisiana Tech University, 1963; M.S., Louisiana Tech University, 1966; Ph.D., Louisiana State University, 1974.

KAREN L. FUTTERER, 1980
Associate Professor of Music
B.M., State University of New York at Fredonia, 1975; M.M., North Texas State University, 1980.

KENNETH T. FUTTERER, 1980
Associate Professor of Music
B.M., North Texas State University, 1975; M.M., North Texas State University, 1980.

CHARLES J. GAGEN, 1990
Professor of Fisheries Biology
Chair, Department of Biological Sciences
B.S., University of Central Arkansas, 1986; Ph.D., University of Arkansas, 1990.

ROGER FANG, 2001
Assistant Professor of Computer and Information Science

DENNIS W. FLENIKEN, 1975
Professor of Secondary Education
Director of Center for Teaching and Learning
B.S., Louisiana Tech University, 1963; M.S., Louisiana Tech University, 1966; Ph.D., Louisiana State University, 1974.

KAREN L. FUTTERER, 1980
Associate Professor of Music
B.M., State University of New York at Fredonia, 1975; M.M., North Texas State University, 1980.

KENNETH T. FUTTERER, 1980
Associate Professor of Music
B.M., North Texas State University, 1975; M.M., North Texas State University, 1980.

CHARLES J. GAGEN, 1990
Professor of Fisheries Biology
Chair, Department of Biological Sciences
B.S., University of Central Arkansas, 1986; Ph.D., University of Arkansas, 1990.

ARKANSAS TECH UNIVERSITY
LUCIA GALLENO, 2002
Assistant Professor of Spanish
B.A., Catholic University of Peru, 1993; M.A., Catholic University of Peru, 1995; Ph.D., University of California, Berkeley, 2001.

PAOLA GEMME, 2001
Assistant Professor of English

ANDREW GEYER, 2003
Assistant Professor of English
B.A., University of Texas at Austin, 1988; M.F.A., University of South Carolina, 1992; Ph.D., Texas Tech University, 2003.

MARY B. GUNTER, 1998
Associate Professor of Educational Leadership
Chair, Center for Leadership and Learning

JACK R. HAMM, 1972
Professor of Mathematics
Vice President for Academic Affairs
B.S., Arkansas Tech University, 1964; M.S., University of Missouri at Rolla, 1968; Ph.D., University of Missouri at Rolla, 1972.

RUTH M. HARRISON, 1970
Associate Professor of English

FAYE E. HAWKS, 1986
Assistant Professor of Speech

MOSTAFA HEMMATI, 1983
Professor of Physics
Director of Undergraduate Research
B.S., University of Mashed (Iran), 1973; M.S., University of Oklahoma, 1980; Ph.D., University of Oklahoma, 1983.

THERESA A. HERRICK, 1985
Professor of Recreation and Park Administration
Chair, Department of Parks, Recreation, and Hospitality Administration
B.S., Southwest Missouri State University, 1976; M.S., University of Missouri at Columbia, 1981; Ph.D., Clemson University, 1993.

DAVID HOELZEMAN, 2000
Associate Professor of Computer and Information Science
B.S., University of Central Arkansas, 1988; Ph.D., Louisiana State University, 1993.

M. ANNETTE HOLEYFIELD, 1985
Professor of Physical Education
Chair, Department of Health and Physical Education

SHELIA JACKSON, 1998
Associate 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
Associate Professor of History
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.

GEORGE P. JOHNSON, 1990
Associate Professor of Biology
Curator of Herbarium
B.S., Western Kentucky University, 1978; M.S., Western Kentucky University, 1980; Ph.D., North Carolina State University, 1985.

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.

SEOK KANG, 2002
Assistant Professor of Journalism
B.A., Sung Kyun Kwan University, 1994; M.A. Sogang University, 1997; M.A. Illinois State University, 1998; Ph.D., University of Georgia, 2001.

KEVIN T. KEAR, 2004
Assistant Professor of Health and Physical Education
B.A., Ithaca College, 1974; M.S., Indiana State University, 1979; Ph.D., Ohio State University, 1983.

D. MICHAEL KEISLER, 1975
Professor of Mathematics
B.A., University of Texas, 1966; Ph.D., North Texas State University, 1974.

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

SCOTT W. KIRKCONNELL, 1981
Professor of Biology

WILLIAM KIRKPATRICK, 1989
Assistant Professor of Physical Education
B.S., Fort Hays State University, 1983; M.S., Fort Hays State University, 1985; Ed.D., University of Arkansas, 1991.

RICHARD A. KNIGHT, 1999
Associate Professor of Speech
B.A., Seton Hall University, 1992; M.A., Bloomsburg University, 1993; Ph.D., University of Southern Mississippi, 2000.

DAVID W. KRUEGER, 1960
Associate Professor of History
B.S., Memphis State University, 1958; M.A., Memphis State University, 1958.

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

MICHAEL A. LINK, 1965
Associate Professor of History
B.S., Henderson State University, 1962; M.S., Henderson State University, 1963; Ph.D., (History), Mississippi State University, 1966; Ph.D., (Philosophy and Religion), Protestant Faculty of Paris, 1976.

STANLEY D. LOMBARDO, 1977
Professor of English

GEORGE E. McELLAN, 1973
Associate Professor of Anthropology

DAVID J. MIDDLETON, 1998
Associate Professor of Computer and Information Science
B.S., University of Sydney, 1979; Ph.D., University of North Carolina at Chapel Hill, 1986.

JEFFREY A. MITCHELL, 1994
Associate Professor of Philosophy

JOHNTEY MOODY, 1997
Instructor of Computer and Information Science
B.S., Arkansas Tech University, 1994; M.Ed., Arkansas Tech University, 1996.

LARRY J. MORELL, 1998
Professor of Computer and Information Science
Chair, Department of Computer and Information Science
B.A., Duke University, 1974; M.S., Rutgers University, 1976; Ph.D., University of Maryland, 1983.
Gwen Morgan, 1984  
Professor of Elementary Education  
Director of Teacher Education Student Services  

Arkansas Tech University

Arth A. Morris, 1982  
Professor of Speech/Theatre  
Theatre Director  
B.A., University of the Ozarks, 1973; M.A., University of Arkansas, 1975; Ph.D., Northwestern University, 1989.

James L. Moses, 1999  
Associate Professor of History  

Hanna E. Norton, 2001  
Assistant Professor of Journalism  
A.B.J., University of Georgia, 1994; M.A., University of Georgia, 1998; Ph.D., University of Georgia, 2001.

Thomas E. Nupp, 1997  
Associate Professor of Wildlife Biology  
B.S., The Pennsylvania State University, 1987; M.S., Auburn University, 1992; Ph.D., Purdue University, 1997.

Philip D. Parker, 1977  
Associate Professor of Music  
B.M., Wichita State University, 1975; M.M., Indiana University, 1977.

Paula B. Pendergrass, 1992  
Professor of Biology  
B.S.E., Southwest Missouri State University, 1969; M.A., Southwest Missouri State University, 1970; Ph.D., Washington State University, 1974.

Harvey L. Philipotts, III, 1993  
Associate Professor of English  
B.A., University of Virginia, 1977; M.A., University of Virginia, 1979; Ph.D., University of Delaware, 1991.

Randy Powell, 2003  
Assistant Professor of Leadership and Learning  

Susan Poznar, 1993  
Associate Professor of English  

Byra L. Ramsey, 2000  
Assistant Professor of Early Childhood Education  
B.S., University of Arkansas, 1966; Ph.D., Mississippi State University, 1999.

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.

Carey M. Roberts, 2000  
Assistant Professor of History  
B.A., University of Southern Mississippi, 1993; M.A., University of South Carolina, 1995; Ph.D., University of South Carolina, 1999.

Jeff W. Roberton, 1997  
Associate Professor of Astrophysics  
Director of Astronomical Observatory  
Chair of Department of Physical Science  
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  
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.

Kenneth A. Rogers, 1989  
Professor of Political Science  
B.S., University of Oklahoma, 1970; M.A., California State University (Sacramento), 1976; Ph.D., American University, 1982.

Mary Ann Rollans, 1980  
Associate Professor of Secondary Education  
Dean, Community Education and Professional Development  
Affirmative Action Officer  
B.A., Arkansas Tech University, 1968; M.S.E., University of Central Arkansas, 1974; Ed.D., University of Arkansas, 1986.

Earl F. Schrock, Jr., 1971  
Professor of English  
B.A., Arkansas Tech University, 1966; M.A., University of Arkansas, 1968; Ph.D., University of Arkansas, 1980.

C. Glenn Sheets, 1980  
Professor of Elementary Education  
Dean, School of Education  
B.S.E., Henderson State University, 1971; M.S.E., Henderson State University, 1975; Ed.D., University of Arkansas, 1978.

Rebecca A. Shoffner, 2000  
Assistant Professor of Teaching and Learning  

Kenneth W. Shores, 1985  
Associate Professor of Mathematics  
B.S., University of Arkansas, 1972; M.S., University of Arkansas, 1978.

Stephen A. Shry, 1975  
Professor of Psychology  
B.S., Michigan State University, 1963; M.A., Southern Illinois University, 1965; Ph.D., Oklahoma State University, 1968.

V. Carole Smith, 2004  
Assistant Professor of Middle Level Education  

Sammie P. Stephenson, 1999  
Assistant Professor of Elementary Education  

Leslie C. Stewart-Abernathy, 1989  
Associate Professor of Anthropology  
Arkansas Archeological Survey  
B.A., Arkansas State University, 1970; M.A., Brown University, 1974; Ph.D., Brown University, 1981.

Joseph N. Stoeckel, 1992  
Professor of Fisheries Biology  
Director, Fisheries and Wildlife Biology Program  

H. Mikeal Tarver, 2002  
Associate Professor of History  
Chair, Department of Social Sciences and Philosophy  

L. Kim Troboy, 2002  
Associate Professor of Management Information Systems  
B.S., Arkansas Tech University, 1980; M.B.A., University of Arkansas, 1987; Ph.D., University of North Texas, 1997.

Thomas P. Tyler, 1967  
Professor of Economics  
Dean, School of Business  
VAN A. TYSON, 1973
Professor of Journalism
B.A., Arkansas Tech University, 1959; M.A., University of Arkansas, 1963; Ph.D., University of Arkansas, 1981.

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, 1979; M.A.Ed., Western Kentucky University, 1979; Ph.D., Indiana University, 1985.

SUSAN J. UNDERWOOD, 2003
Assistant 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.

DONNA R. VOCATE, 1998
Professor of Speech
Chair, Department of Speech/Theatre/Journalism

DANA D. WARD, 1988
Professor of Spanish

JOHN W. WATSON, 1978
Professor of Mathematics
Dean, School of Systems Science

DONNA R. WHITE, 2001
Assistant Professor of English

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
Assistant Professor of History
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

ANNETTE ZAKHARIAN, 1984
Professor of French
A.B., Rutgers University, 1974; M.A., Syracuse University, 1980; D.A., Syracuse University, 1983.

CONNIE W. ZIMMER, 1990
Associate Professor of Secondary Education
A.B., Western Kentucky University, 1972; M.S.L.S., Western Kentucky University, 1975.

STEVEN W. ZIMMER, 1991
Director of Math and Science Institute
B.S., Western Kentucky University, 1970; M.A., Western Kentucky University, 1973.
The Campus

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.

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. 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

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 location 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 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 increased 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 offered by Arkansas Tech in the summer of 1975. A master of education degree embraces the fields of instructional improvement, educational leadership, counseling and leadership, teaching, learning, and leadership, elementary education and seven areas of specialization in secondary education; the master of science in education degree is offered in gifted education. A master of liberal arts offers major concentrations in communications, fine arts, and social sciences. Master of arts degrees are offered in English, history, and multi-media journalism. Master of science degrees are offered in fisheries and wildlife biology and information technology.

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.

Arkansas Tech University, founded in 1909, is a multi-purpose, state-supported institution of higher education dedicated to providing an opportunity for higher education to the people of Arkansas and to serving the intellectual and cultural needs of the region in which it is located. The University offers a variety of programs committed to excellence in undergraduate and Graduate School. These programs are designed to prepare students to meet the demands of an increasingly competitive and intellectually challenging future by providing opportunities for intellectual growth, skill development, and career preparation. The institution monitors student mastery of general education and specialized studies, retention and graduation rates, and quality of teaching and academic programs to verify and facilitate demonstrable improvements in student knowledge and skills between entrance and graduation.

The basis for the student's intellectual growth and scholarly skill development is the general education program, which provides the context for more advanced and specialized studies and the foundation for life-long learning. The general education curriculum is designed to provide university-level experiences that engender capabilities in communication, abstract inquiry, critical thinking, analyzing data, and logical reasoning; an understanding of scientific inquiry, global issues, historical perspectives, literary and philosophical ideas, and social and governmental processes; the development of ethical perspectives; and an appreciation for fine and performing arts.

The University provides a range of specialized studies to prepare students to enter career fields or to continue their education at the post-graduate level. Specialized studies are offered within several areas of emphasis: business, professional education, liberal and fine arts, physical and life sciences, information technology, engineering, and applied sciences. Graduate work leading to the master's degree in selected disciplines provides advanced, specialized education which strengthens the academic and professional competence of students and enhances their capacities for scholarly inquiry and research.

The primary function of the University is teaching. Scholarly research and other professional activities of the faculty, continuing education, and community service are
encouraged, promoted, and supported. In keeping with its focus on teaching, the University seeks to recruit, develop, and retain faculty who are dedicated to quality teaching and providing dynamic classroom learning experiences that integrate theory and practice. The institution values academic freedom and the concept of shared governance. Faculty and student organizations such as the Faculty Senate, Graduate Council, and the Student Government Association participate in university governance by making policy recommendations. Leadership and management of the University is the responsibility of the President. Governance of the institution is the responsibility of the Board of Trustees.

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, and Educational Specialist.

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 Instructional Improvement; Educational Leadership; Elementary Education; School Counseling and Leadership; and Teaching, Learning and Leadership. Programs in Secondary Education include secondary education specializations in English, Instructional Technology, Mathematics, Physical Education, and Social Studies. The Master of Science in Education specializes exclusively in Gifted Education.

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, Spanish, 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 the 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 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 Fisheries and Wildlife Biology 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 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.
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.

The graduate program is administered by the Dean of Graduate School 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.

The physical plant of Arkansas Tech University includes fifty-eight buildings 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, completed in 1988, provides instructional space and state of the art laboratories for engineering, business, computer science, accounting and mathematics. The Center for Energy Studies, completed in the spring of 1994, supports courses and research in neutron science, nuclear engineering, materials science, and other areas related to energy and the environment. During the spring of 1993, Dean Hall renovation was completed to provide modern facilities for the instructional programs in agriculture, nursing, foreign languages, community education and emergency administration management. The Health and Wellness Center is also housed in Dean Hall.

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, has an Olympic-style swimming pool which is used for physical education classes; for recreational swimming for students, faculty, and staff; and by the community swim club. The Witherspoon Arts and Humanities Building has a modern auditorium with a seating capacity of 742. The L.L. “Doc” Bryan Student Services Center and the Student Activities Building constitute the main facilities for student services, student government, publications, and indoor recreational activities. The Museum of Prehistory and History, located in Tucker Hall, 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.

The Ross Pendergraft Library and Technology Center houses more than 1,080,000 items for use. Included in this number are 142,000 volumes; 810,000 microforms; 88,000 government documents; 40,000 ANO/NRC materials; and 1,245 periodical subscriptions. Among these holdings are extensive back files of journals and newspapers. Copiers 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 eighty electronic databases covering most subjects are accessible from the library and over the Internet from the Library website at http://library.atu.edu Assistance in the retrieval and use of materials is provided by seven professional librarians, seven paraprofessional staff, and a number of part-time employees. Librarian-mediated 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.

The Pendergraft Library is open approximately 90 hours per week during fall and spring semesters. The state-of-the-art facility includes two open computer labs, two instructional computer labs, one special purpose lab, two distance learning classrooms, a large conference room, five breakout/meeting rooms, twelve group study rooms, satellite downlink, cable TV connections, 108 publicly accessible computers, 58 lab computers, and about 400 data drops for laptop computers.
# Fees and Charges

(Subject to changes as necessary)

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<th>Description</th>
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<td>Tuition and Fees</td>
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<td>Resident -- per credit hour$^1$</td>
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<tr>
<td>University Commons Apartments</td>
<td></td>
</tr>
<tr>
<td>2 bedroom apartments</td>
<td>$2,034</td>
</tr>
<tr>
<td>4 bedroom apartments</td>
<td>$1,647</td>
</tr>
<tr>
<td>Degree Audit Processing Fee</td>
<td>$25</td>
</tr>
<tr>
<td>Late registration fee</td>
<td>$25</td>
</tr>
<tr>
<td>Adding/dropping courses</td>
<td>$10</td>
</tr>
<tr>
<td>Returned check</td>
<td>$10</td>
</tr>
<tr>
<td>Replacement of ID card</td>
<td>$25</td>
</tr>
<tr>
<td>Post Office box rent (required of all students living on campus)</td>
<td>$10</td>
</tr>
<tr>
<td>Auto registration</td>
<td>$20</td>
</tr>
<tr>
<td>Parking fees and fines (see Traffic Regulations)</td>
<td></td>
</tr>
<tr>
<td>(All students parking on campus must have a parking permit)</td>
<td></td>
</tr>
</tbody>
</table>

$^1$Up to $9.30 per credit hour (not to exceed twelve hours per semester) of the tuition fee for courses taken during the fall and spring semesters will be allocated to athletics.

$^2$Information concerning residence status may be obtained from the Registrar’s Office, Doc Bryan Student Services Center, Suite 153 (479) 968-0272.

$^3$Entitles students to a picture student ID card and admission to all University-sponsored activities.
Food and Housing
(Subject to changes as necessary)

Graduate students are eligible to live in residence halls. 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, Doc Bryan Food Court and Convenience Store. The room and board charge for students living in residence halls includes basic telephone service.

All residence halls and the cafeteria are closed during spring holidays and between semesters. Students desiring to remain in campus housing during these times must have specific approval from the Student Services Office and will be charged a daily or weekly room rental, as appropriate.

Payment of Accounts

Tuition and all other fees and charges, including room and board charges for students in residence halls, are due and payable prior to the beginning of each term at the Student Accounts Office, in the Doc Bryan Student Services Building, Office 133. Financial settlement, which consists of tuition, fees, and at least one-fourth of room and board may be made by personal payment or authorized financial aid (loans, scholarships, grants, third parties, etc.). Visa, MasterCard, and Discover credit cards are accepted for all charges. An alternative payment plan is offered via the web site: http://stuacct.atu.edu Registration is not complete until all financial obligations have been met satisfactorily. Failure to make financial settlement may result in cancellation of the class schedule.

The student identification number (social security number) is assigned as the student's account number for billing purposes. An alternate nine digit number will be assigned as the student's identification number (social security number) upon written request to the Registrar's Office. Monthly billing statements are payable upon receipt. Invoices for preregistration are mailed approximately thirty days prior to the first day of class. Students must return the top portion of the preregistration invoice along with applicable payment by the due date.

Students with delinquent accounts are not eligible for food service, graduation, transcripts, recommendations, advance registration or readmission to any term. Collection fees for outstanding debts owed to the University may be assessed to the student.

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

Reduction of Fees and Charges

Reduction of Tuition for Official Withdrawal

Students 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” on page 1, 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 in fees will be made after the first day of the summer semester.

Students registering for the fall or spring semester but officially withdrawing from the University by the end of the second day of the semester, as listed in the “Academic Calendar” on page 1, 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 second day of the semester.
In the event a student is receiving financial aid, any refund amount attributable to a loan, grant, or scholarship will be returned to the appropriate account and not to the student. Effective July 1, 2000, 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 Family Education Loan Programs, Federal Perkins Loan 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 for any further federal financial aid until the required payments are made.

Three aid programs are available to graduate students: the Federal Perkins Loan Program, which provides a five-percent loan to eligible students; the Federal Stafford Loan Program, which provides loans 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 should submit a Free Application for Federal Student Aid. These applications and additional information about the programs may be obtained by writing to the Financial Aid Office, Arkansas Tech University, Russellville, Arkansas 72801-2222 or at www.fafsa.ed.gov. Priority deadlines are April 1 for summer, April 15 for fall, and November 1 for spring.

Graduate students receiving federally funded financial aid must meet the below listed conditions in order to remain eligible for financial aid:

1. Full-time students must earn an average of nine (9) hours per semester; part-time students must earn the hours in which they enroll each semester.
2. Students must maintain a 3.00 GPA on both graduate and undergraduate courses each semester.
3. Complete the degree by the end of six full-time semesters.

The University offers a limited number of graduate assistantships through its academic departments and administrative offices. Inquiries regarding assistantships should be directed to the Dean of Graduate School. The Graduate School will accept and forward all applications for assistantships to the appropriate program director or supervisor. To ensure timely consideration, please submit all material by November 1st for Spring position, and by April 1st for the following Fall term.

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 appointment may take a maximum of nine hours and a minimum of six hours of course work per semester. During each summer term, the student may take a maximum of six hours and a minimum of three hours. Exceptions may be made upon the approval of the appropriate program director and the Dean of Graduate School. A student may have a maximum appointment of 50 percent (20 hours a week) except in the summer when he/she can receive a 100 percent appointment. A student may not hold more than one graduate assistantship at any given time.

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.
Tate C. “Piney” Page Memorial 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 E. Tucker 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.

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 School.

Jim Ed McGee Graduate Honors Award

The Jim Ed McGee Graduate Honors Award was instituted to recognize one Arkansas Tech University graduate student each year as the outstanding graduate student of the year.

A graduate student who has recently completed a graduate degree and wishes to be considered for the Jim Ed McGee Graduate Honors Award may submit a letter of application with two faculty recommendations to his/her program director by February 1 of the year in which the honors award is to be presented. If the advisor is someone other than the program director, one of the two faculty recommendations must come from the student's advisor.

Persons who graduated in May or December of one year are eligible to apply for the award which will be presented in April of the following year. The student's program director will review the application materials on the basis of graduate school performance in such areas as grades, research project, academic papers, leadership in graduate program activities, and faculty recommendations.

The program director will forward the application materials of recommended outstanding graduate students to the Dean of Graduate School by February 15.

A panel of evaluators, consisting of the Dean of Graduate School and four other graduate faculty members, will review nominations of candidates for the Graduate Honors Award. The panel will rate the applicants based on the following: (1) evaluation of documentation submitted by the applicant, graduate transcripts and faculty recommendations; (2) work submitted by the applicant, abstracts, prospectus or project summary, and advisor recommendations; (3) leadership and involvement in graduate program activities. A personal interview may be required.

The person selected as the recipient of the Jim Ed McGee Graduate Honors Award will receive a personal plaque and have his/her name inscribed on the Jim Ed McGee Graduate Honors Award Plaque that will be on permanent display in the Graduate School.
The mission of the Arkansas Tech University English Language Institute (ELI) is to provide programs that assist international students in developing the English language skills necessary to successfully pursue academic work in a United States college or university, and to assist in their adjustment to a different culture. The ELI accomplishes this mission by delivering non-credit English as a Second Language (ESL) instruction for international students, and by providing those students with activities that increase their awareness and understanding of American culture. The ELI is an integral part of the Office of International and Multicultural Student Services.

The International and Multicultural Student Services Office (IMSSO) 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.

Several established organizations receive support from the International and Multicultural Student Services Office. The Association for Cultural Interaction (ACI) promotes cross-cultural social and educational exchanges between international and U.S. college students. The Black Student Association (BSA) and the Hispanic Student Association (HSA) are also supported by the IMSSO.

The International and Multicultural Student Services Office also develops and sponsors programs to educate faculty, staff, and students regarding international/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, Doc Bryan Student Services Center, Office 163, Arkansas Tech University, Russellville, Arkansas 72801, U.S.A.

The University-owned bookstore, located in the Young Building, carries many educational items including reference books, lab manuals, workbooks, calculators and, of course, textbooks. Computer software is also available at special educational prices. If the software you need is not in stock, the bookstore can special order it. In addition to the above items the bookstore carries gift items, sportswear, greeting cards, school supplies, health and beauty supplies and a wide selection of backpacks.

You are eligible for a full refund on new or used textbooks until the end of the 5th class day. The following conditions apply: 1) You must have a cash register receipt and student ID, 2) Your new textbooks must be returned in brand new, clean condition with no bent corners or water damage. Wrapped textbooks must be unopened. Returns are not allowed on study guides, workbooks, cliffs notes, reference books, dictionaries, etc.

The manager reserves the right to make the decision on the condition or salability of the merchandise. There is a waiting period for refunds when payment is made by check. Check store for details. Due to limited cash availability in the Bookstore, refund checks will be disbursed through the Student Accounts office for refunds greater than $100.00.

Book buy back is held during finals week of the fall and spring semesters and the last two days of each summer term. Textbooks will be worth up to 50% of the price paid.
if the bookstore has received a request from the instructor stating those textbooks are being used for the following semester, if the textbooks are in good condition, and if the bookstore is not currently overstocked. Wholesale market value will be paid on current editions not used or needed for the following semester. 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 gail.vaughan@atu.edu.

Traffic Regulations

By authority of the Board of Trustees and in accordance with Legislative Act 328, 1967, Arkansas Tech University requires all members of the faculty, staff, student body, and classified personnel to register motor vehicles which they own or operate on the 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 1511 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. These parking permits are provided at no cost and are valid for a maximum of seven days.

The University provides a health center for use by all students. The mission of the Health and Wellness Center is to assist in the educational process of the University by modifying or removing health-related barriers to personal development and learning. It also provides educational services by serving as a health and medical resource for the University community. Most of these services are done free of charge.

The Center is staffed by a registered nurse and a licensed counselor Monday through Friday. They provide outpatient mental and physical health services in a strictly confidential manner and make appropriate referrals when necessary. The Center also has educational materials (i.e. brochures, books, CD’s, and videos) available to the University community.

The registered nurse does physical assessments, treats minor injuries and illnesses, and provides health education to all within her scope of practice. The
counselor provides brief mental health counseling for individuals, couples, and groups. The counselor also provides consultation and outreach programming on mental health conditions. You can visit the Health and Wellness Center website at http://stuserv.atu.edu/hwc/.

Arkansas Tech University is committed to providing equal opportunities for higher education to academically qualified individuals who are disabled. Students with disabilities attending Tech will be integrated as completely as possible into the university community. Tech does not offer a specialized curriculum for students with disabilities nor does it assume the role of a rehabilitation center, but does assume responsibility for modifying campus facilities and procedures to accommodate individual needs where feasible and without posing an undue hardship on the University.

Services arranged through the University’s Disabilities Director include consideration of classroom and building accessibility, planning for adequate travel time between classes, note-taking assistance, alternative testing, and similar types of accommodations. Per individual needs, students who may require academic support are encouraged to utilize the departmental tutorial laboratories.

Tech is subject to and endorses both the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. The Disabilities Director serves as the coordinator for these federal programs. The Disabilities Director’s Office is located in Bryan Hall, Arkansas Tech University, Russellville, AR 72801-2222, and can be contacted by calling (479) 968-0302, for TDD call (479) 964-3290, or by E-mail disabilities@atu.edu.

The University Testing Center provides services which assist in the recruitment, retention, and graduation of students. The services offered include testing services. 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), Medical College Admissions Test (MCAT), Professional Assessments for Beginning Teachers (PRAXIS), and others. Test registration bulletins and preparatory materials are available for many of these exams via the University Testing Center. Credit by examination is also a testing service. It allows an individual to earn college credit by attaining the qualifying score established by Arkansas Tech University. Examinations included in this program are Advanced College Placement (AP), College Level Examination Program (CLEP), National League for Nursing (NLN), and Arkansas Tech examinations.

Furthermore, the University Testing Center facilities include a computer lab and a study/testing lab. Each of these rooms provides a quiet, comfortable atmosphere for studying. The Center is staffed with a director and one testing coordinator. Arkansas Tech University students may use these services for free (excluding tests). The University Testing Center is located in suite 103 of Bryan Hall and may be reached via phone (479) 968-0302, fax (479) 968-0375, or E-mail universitytesting@atu.edu For additional information, visit the center’s web site at http://ufds.atu.edu.

The Norman Career Services Center provides online registration for students, alumni, and employers, as well as established web links to ethical employment boards. Registrants may access and provide information through http://techncs.erecruiting.com, including cover letters, resumes, campus recruiting schedules, information sessions, etc. The center hosts and maintains a computerized career interest inventory, called “Discover,” located in residential housing, University Testing Center, and its 211 Suite in the Doc Bryan Student Services Center. Services provided to ALL classifications of students and alumni include an extensive career
library, company videos, career counseling, and resume critiquing. It also provides career workshops to classes, student groups, and community organizations to ensure that Arkansas Tech University graduates are well informed, prepared for the job search, and availed of every opportunity to choose from professional alternatives. Career and part-time employment opportunities through business, industry, government, the health field, and education are posted through the recruiting web site, as well as the electronic kiosk located in the entry way of the Doc Bryan Student Services Center.

The Arkansas Tech University Norman Career Services Center hosts recruiters from non-discriminatory employing agencies who conduct a variety of interviews each semester. Current contacts are maintained with local, national, and international employers seeking career professionals from every major. Career fairs are hosted each fall and spring for all students.

Additional information concerning Career Services may be obtained by calling (479) 968-0278, or writing to ATU, Norman Career Services, Doc Bryan Student Services Center, Suite 211, Russellville, AR, 72801.
Admission to graduate study at Arkansas Tech University is open to any qualified individual subject to the admission requirements listed in this catalog. However, the University reserves the right to reject the application of any individual whose records do not satisfy the requirements. Every student must file an initial application for admission. An application for admission to graduate study may be obtained by contacting the Dean of Graduate School. 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 weeks in advance of the initial date of enrollment. Applicants for admission must submit a completed application form and request each college or university that they have attended to send complete official transcripts (undergraduate and graduate) directly to the Graduate School.

Detailed information regarding graduate student admissions may be obtained by contacting: Graduate School, 1507 North Boulder Avenue, Tomlinson 113, Russellville, AR 72801. Phone (479) 968-0398, FAX (479) 964-0542, or E-mail: graduate.school@atu.edu.

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 year; applicants who do not enroll during the year in which they applied will be required to reapply for admission. Admission to graduate study does not imply admission to candidacy for a degree.

Any student requiring special accommodations in order to complete a course or program of study should contact the Disabilities Director, Bryan Hall, Room 103, 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.

Persons born after January 1, 1957, must furnish proof of immunity against measles 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.

For unconditional admission applicants must:

1. Hold a bachelor’s degree from an accredited college.
2. 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.
3. Request each college or university that they have attended to send complete official transcripts (undergraduate and graduate) directly to the Graduate School. Mail all materials to: Graduate School, 1507 North Boulder Avenue Tomlinson 113, Russellville, AR 72801.
4. Meet additional admission requirements specified by programs in the graduate catalog (GRE, writing samples, etc.).

Unconditional Admission
Conditional Admission

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 unconditional admission may be admitted conditionally to enroll for a maximum of twelve semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 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 graduate hours, the student will be granted unconditional admission.

Non-Degree Admission

Applicants not pursuing a graduate degree may be admitted as non-degree seeking graduate students upon submitting a completed application for admission to graduate study and an official transcript from an accredited college or university showing that 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 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

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 that they have been admitted to its graduate program and are in good standing.

International Student Admissions

Any student who is not a U.S. citizen or a permanent resident of the United States is considered an international student. A brief description of the information required to apply for admission to graduate study at Arkansas Tech University follows:

1. Application – an application for international student admission form, properly completed.

2. Application fee – a non-refundable application fee of $30 (US).

3. Academic records – MUST be originals or school-certified copies of originals of all academic records with official English translations. Notarized copies will not be accepted. Students seeking transfer credit from other institutions MUST submit their academic records to an approved credential evaluation service to evaluate transfer courses (otherwise no credit will be given for transfer work). A list of approved services can be obtained from the IMSSO, the Graduate School or the Registrar’s office.

4. English Proficiency – demonstrate English proficiency. Must meet one of the following:
a. A minimum score of 550 on the written TOEFL (Test of English as a Foreign Language) or 213 on the computerized TOEFL. Scores **MUST** be received directly from the Educational Testing Service (school code 6010).

b. IELTS (International English Language Testing System) scores are accepted. A minimum IELTS score of 6.0 or higher must be provided for admission.

c. Students may also take any similar test of English proficiency approved by Arkansas Tech University at a site authorized by Arkansas Tech University.

d. Successful completion of an English as a Second Language (ESL) program through the English Language Institute (see English Language Institute or at a site approved by the Office of International and Multicultural Student Services.

5. **Evidence of sufficient financial support** – approximately $13,920 (US) is needed for 12 months of study; certified evidence of the source and amount of support must accompany the application. All international students will pay out-of-state tuition and will be assessed an international student services fee each semester.

The application for admission and all documentation should be submitted by May 1 for the fall semester, October 1 for the spring semester, and March 1 for the summer sessions for priority consideration. Admission will not be granted until all documents have been received and evaluated.

Upon acceptance, notification will be sent to the student along with an I-20 (Certificate of Eligibility). Prior to enrollment, international students are required to purchase a health insurance policy, approved by Tech. Tech receives no remuneration as a result of international student enrollment in the health insurance policy. Full payment of tuition and fees must be paid at registration each semester.

Detailed information regarding international student admissions may be obtained by contacting: International and Multicultural Student Services, Doc Bryan Student Services Building 163, Arkansas Tech University, Russellville, Arkansas 72801-2222, USA; telephone (479) 964-0832; FAX (479) 880-2039.

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 School to enroll in no more than six hours of graduate course work. The student's course load is not to exceed a total of 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 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 School.

Subject to the approval of the advisor, program director, and Dean of Graduate School 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.

**Undergraduate Senior Admission**

**Second Master's Degree**

Arkansas Tech University
Any courses applied to the second master’s degree must meet the requirements for the degree and must not be more than six 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**

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

A maximum of six semester hours of graduate credit in a 30 hour program and nine 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 School. 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 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 School. 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 School.

**Catalog Privilege**

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 years old when requirements for the degree are completed.

**Academic Advising**

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

**Graduate Student Load**

Graduate students may enroll for a maximum of twelve hours of credit per semester during the academic year and six 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 or more hours of credit during a regular semester or four hours during a summer term. Graduate Assistants will be considered full-time if carrying six or more hours. Students receiving financial aid should check with the Financial Aid office for requirements necessary to be considered a full-time student. Permission to take more than the maximum loads stated above requires the written approval of the students advisor, program director, and Dean of Graduate School.

**Adding and Dropping Courses**

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.
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, 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.

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.

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.

To withdraw officially, the student must report to the Graduate School 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 School.

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.

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

Independent study courses 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 School 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 hours of graduate credit.

**Limit on Workshop and Independent Study Credit**

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

**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 grade of “R” does 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.

**Academic Probation and Dismissal**

A student admitted unconditionally or a student who has been admitted to candidacy will be considered on probation for the following semester if the cumulative grade point average drops below 3.00. If the semester grade point average for the following semester is 3.00 or greater and the cumulative grade point average is 3.00 or greater, the student will be removed from probation. If the cumulative grade point average remains below 3.00, the student will be continued on probation. A student on probation having a semester grade point average below 3.00 for the following semester will be subject to suspension from Graduate School.

A student who is admitted conditionally or on a non-degree basis will be subject to suspension from Graduate School after attempting 12 semester hours with less than a 3.00 grade point average.

A student who has been admitted to candidacy but does not have a 3.00 grade point average at the time of completing the minimum number of hours required by the degree program may submit no more than six additional hours in an attempt to attain a grade point average of 3.00. A maximum of six 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 hours above the total number of hours required for the program to reach the 3.00 grade point average.

A student suspended from Graduate School may apply for readmission after one year. Reinstatement to Graduate School will not necessarily mean reinstatement to a particular graduate program.

**Academic Dishonesty/Academic Misconduct**

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. The 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 or dishonest practices.

The Graduate Student Academic Conduct Policy may be found at the Arkansas Tech University Graduate School home web-page. This policy defines Academic Dishonesty and Academic Misconduct. These definitions are not all inclusive and conduct not expressly set forth in the definitions may also be considered academic dishonesty or academic misconduct. The policy also includes the description of the Graduate Academic Appeals Committee, the procedure for charges of academic dishonesty, and the procedure for charges of academic misconduct.

**Appeals Procedures**

Appeal procedures of academic grades or academic program dismissal are found in the Student Handbook. All other types of appeals not solved at the instructor or departmental level should be referred to the Dean of Graduate School.
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 of 1974 assures confidentiality of education records containing information directly related to a presently enrolled student, a former student, or alumni.

The institution, according to the Act, may make public “directory information” about a student, e.g., name, address, e-mail address, telephone listings, attendance, participation in officially recognized activities and sports, weight and height of members of athletic teams, and the previous educational agency or institution attended.

A request to suppress from public distribution the above mentioned information must be made in writing annually to the Vice President for Student Services no later than September 15 of the academic year for which the information is being made public. Further information may be obtained from the Student Services Office.

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 REQUIREMENTS

Candidacy
Graduate students admitted unconditionally must apply for candidacy to the selected degree program upon completion of twelve credit hours. Students admitted conditionally cannot apply for candidacy until all conditions assigned at the time of admission to graduate study have been removed. Failure to apply for candidacy will result in a hold being placed upon the student's records. A petition to remove a hold must be addressed to the Dean of Graduate School.

Application for Graduation/Processing Fee
In addition to satisfying all degree requirements, a candidate for a degree must file an "Application for Graduation" at the Registrar's Office. THIS MUST BE DONE THE FIRST WEEK OF THE SEMESTER/Term IN WHICH THE DEGREE WORK IS EXPECTED TO BE COMPLETED OR YOU WILL NOT BE PERMITTED TO GRADUATE THAT SEMESTER. A processing fee, payable at the Student Accounts Office, is assessed when the application for graduation is approved. If the student fails to complete all graduation requirements, an additional processing fee will be assessed for the next semester or term in which graduation is planned.

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

Commencement
The University confers degrees at commencement, which is held in May and December of each year. No degree is conferred except at these times. Students will participate in the commencement ceremony held at the end of the fall or spring semester during which they complete all degree requirements. Students who are completing course work for degree requirements during the summer term(s) will participate in the following fall commencement ceremony. The candidate is expected to be present at commencement for the conferral of the degree unless written authorization in absentia is granted by the Dean of Graduate School.
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
Requests to graduate in absentia must be in writing and should be forwarded to the Dean of Graduate School at least two 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
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 theses must be written in accordance with the guidelines set forth in the thesis writing guide "Instructions for the Preparation of the Master's Thesis." This guide may be obtained at the Graduate School or the candidate's major department.
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 thesis plan for approval to the Dean of Graduate School via the program director.
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 School no later than two weeks prior to the date of graduation.

Three copies of the thesis are required. The first copy is for the library, the second copy is for the major department, and the third copy is for the Dean of Graduate School. 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. Three copies of the abstract will be submitted with the three copies of the thesis.

An oral defense of the thesis is required. It will be conducted by the thesis committee. The Dean of Graduate School 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 weeks before the degree is conferred.

Candidates for the Master of Education in Educational Leadership; School Counseling and Leadership; and Teaching, Learning and 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 hours of portfolio study after completion of twenty-eight hours of course work. The portfolio is to be completed at the end of course work during the last semester of enrollment.

Three 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.

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 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 accompanied by the payment of graduation fee. 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 years from the time unconditional or conditional admission to the program was granted.
8. See specific degree programs for special requirements.
M aster of Education and
Master of Science in 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 Instructional Improvement; Educational
Leadership; Elementary Education; School Counseling and Leadership; Teaching,
Learning and Leadership. In Secondary Education, with secondary education
specializations in English, Instructional Technology, Mathematics, Physical Education,
and Social Studies. The Master of Science in Education specializes exclusively in
Gifted Education.

Unconditional Admission

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

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
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 semester
hours. If a cumulative 3.00 grade point average or better is achieved at the completion
of twelve semester hours, the student will be granted unconditional admission.

Academic Advisors

The academic advising process for degree students begins at the time that
the student is admitted to Graduate School. 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 that 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 School 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 that the student is aware of assistance and services provided for
   graduate students by the various university offices.

Admission to Candidacy

Students who have been granted conditional admission are eligible for admission
to candidacy for the degree upon the completion of twelve hours with a 3.00 grade
point average or better and completion of all deficiencies. Students who have been
granted unconditional admission are eligible for admission to candidacy upon
completion of twelve hours with a 3.00 grade point average or better. Students who do
not submit an “Application for Admission to Candidacy” prior to the end of the semester
in which the student becomes eligible will not be allowed to register for subsequent
graduate classes.

1. Thirty-six semester hours must be completed, 18 of which must be at the 6000
   level.
2. The Graduate Record Examination (GRE) or Miller’s Analogy Test (MAT) must
   be completed and official scores on file in the Graduate School.
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 6
   hours of “C” grades. A student receives more than 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 years from the time
   of admission to the graduate program.

A maximum of nine 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 School. 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 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 School. 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.

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 School.

All candidates for a M.ED. or M.S.E. 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.

General Requirements

Special Conditions of
Graduate Credit

Graduate Credit Taken
Prior to Admission to
Arkansas Tech University

Graduate Credit Taken
After Admission to
Arkansas Tech University

Project in Educational
Research
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.

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 School and departmental requirements on page 36.

Degree Requirements

Candidates for the Master of Education degree with a major in elementary education and the early childhood education option 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 39-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.
Unconditional Admission

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 School and departmental requirements on page 36.

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

English

The purpose of the master’s program in English is to advance student understanding of English teaching, content, and research.

Degree Requirements

Candidates for the Master of Education degree with a specialization in English must complete 18 semester hours in English and 18 semester hours in education.

English Core Requirements (18 hours)

- ENGL 6013 Structure of the English Language
- ENGL 6033 Rhetoric
- English Electives 6 - 12 semester hours

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
Secondary Education
Mathematics
Dr. Tim Carter,
Associate Professor
Crabaugh Hall, Room 207
(479) 968-0420
Tim.Carter@atu.edu

The purpose of the master’s program in Mathematics is to promote professional and scholarly growth in student’s understanding of mathematics learning and pedagogy from theoretical, research, and practical orientations.

Degree Requirements
Candidates for the Master of Education degree with a specialization in mathematics must complete 18 semester hours in mathematics and 18 semester hours in education.

Mathematics Core Requirements
- MATH 6123 Modern Geometry
- MATH 6143 Number Theory
- MATH 6183 Introduction to Real Analysis
- Mathematics electives 6-9 semester hours*

Professional Education Core Requirements
- 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

*If the candidate has not completed a course in the history of mathematics, MATH 5113 must be elected.

Secondary Education
Physical Education
Dr. Annette Holeyfield, Chair
J.W. Hull Physical Education Building, Room 110
(479) 968-0323
Annette.Holeyfield@atu.edu

The mission of the Master’s of Education in Physical Education is to provide post-baccalaureate preparation for public school teachers who wish to broaden their knowledge of the field of physical education and the teaching and learning process.

Degree Requirements
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 9 semester hours that comprise the core requirements and complete additional physical education electives to meet the 18 semester hour requirement in physical education.

Physical Education Core Requirements
- PE 6013 Principles of Physical Education
- PE 6023 Curriculum Development in Physical Education
- PE 6083 Research Design and Statistics in Physical Education

Electives:
- 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
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
Social Studies
Dr. Tim Carter,
Associate Professor
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(479) 968-0420
Tim.Carter@atu.edu

The Master of Education in Social Studies is designed to give students, especially teachers and future teachers, a greater subject matter knowledge in history, political science, and geography; sharpened critical thinking skills about man’s society; and a heightened social studies research skills.

Degree Requirements*
Candidates for the Master of Education degree with a specialization in social studies must complete 18 semester hours in social studies and 18 semester hours in education.

Social Studies Core Requirements
GEOG 6003 Political Geography
HIST 6023 Seminar in American History since 1877
HIST 6423 Seminar in European History since 1789 to Present
Social Studies Electives 3-9 semester hours

Professional Education Core Requirements
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

*In addition to having a bachelor's degree, a candidate for the Master of Education degree must meet the following undergraduate prerequisites to take graduate courses in each of the following disciplines:
American History courses - 9 semester hours in undergraduate American history
European History courses - 9 semester hours in undergraduate European history (including Western or World Civilization)
Economics courses - 6 semester hours in undergraduate economics
Geography courses - 6 semester hours in undergraduate geography
Political Science courses - 6 semester hours in undergraduate political science
Psychology courses - 6 semester hours in undergraduate psychology
Sociology courses - 6 semester hours in undergraduate sociology
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 technology or for candidates with valid Arkansas teacher certification seeking Arkansas certification as School Library Media Specialists (Ten-Year Certificate). Entrance into the instructional technology program does not require teacher certification.

Degree Requirements

Candidates for the Master of Education degree with a specialization in instructional technology must complete 36 hours of graduate-level course work that includes 24 semester hours in approved educational media, library media, or computer science courses, and a minimum of 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), a concentration in instructional design and technology, or a general program in instructional technology. To be certified 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 Instructional Technology

- EDFD 6003 Educational Research
- EDFD 6993 Project in Educational Research
- EDMD 5033 Introduction to Instructional Technology
- EDMD 6163 Internet Resources
- EDMD 6303 Survey of Instructional Media
- EDMD 6313 Instructional Design and Product Development
- EDMD 6503 Computer Literacy
- EDMD 6513 Computer-Based Instruction
- Electives: Additional instructional technology electives to meet the 36-hour degree requirement.

Degree requirements for the Library Media specialty option

- EDFD 6003 Educational Research
- EDFD 6993 Project in Educational Research
- EDMD 5033 Introduction to Instructional Technology
- EDMD 6133 Production of Instructional Materials
- EDMD 6233 Administration of Media Programs
- EDMD 6313 Instructional Design and Product Development
- EDMD 6433-6 Practicum in Educational Media
- EDMD 6883 Workshop: Preservation of Instructional Materials OR
- 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 6403 Literature for Children and Adolescents

Degree requirements for Instructional Design and Technology option

- 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
EDMD 6513 Computer-Based Instruction
Electives: Additional instructional technology electives to meet the 36-hour degree requirement.
The Master of Education in School Counseling and Leadership is designed to prepare candidates for licensure as school counselors. The program consists of 15 hours of leadership core courses and 27 hours of school counseling specialty courses. Practical activities representative of situations school personnel face on a daily basis have been integrated into the coursework. The program will provide opportunities for outstanding teachers to earn Arkansas school counselor licensure. Students will be entered into the program as cohorts.

Unconditional Admission

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

1. Applicants must meet the admission requirements for Graduate School.
2. Three years of teaching experience.
3. A written assessment followed by an interview.
4. Successful completion of a technology assessment within the first semester of admission to the program is required.

Degree Requirements

1. A minimum of 42 semester hours must be completed; all courses must be at the 6000 level, including the following courses:

Level One Coursework - Core Courses (15 hours)

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

Level Two Coursework - School Counseling and Leadership (20 hours)

- COUN 6213 Developmental Counseling: Theory and Application
- COUN 6224 Counseling Skill Development (I)
- COUN 6233 School Counseling Programs
- COUN 6243 Group Counseling Strategies in the Schools
- COUN 6254 Assessment and Career/Academic Advising
- COUN 6263 Teaming, Collaboration, and Advocacy

Level Three Courses - Supervised Field Experiences (7 hours)

- COUN 6303 Counseling Skill Development II
- COUN 6302/4 Internship

2. A portfolio must be successfully completed and approved by a portfolio review committee.
The Master of Education 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 Arkansas Standards for School Leaders and the Interstate School Leaders Licensure Consortium (ISLLC) standards. Students will be entered into the program as cohorts.

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 School.
2. Two years of teaching experience.
3. A written assessment followed by an interview.
4. Successful completion of a technology assessment within the first semester of admission to the program is required.

Degree Requirements

1. A minimum of thirty-eight 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 6303 Technology as an Administrative Tool
   - EDLD 6313 Principles of Curriculum for School Leadership
   - EDLD 6352 Physical Environment of Schools
   - EDLD 6402 Working with the Marginal Performer
   - EDLD 6552/4 Administrative Internship
   - EDLD 6992 Professional Portfolio

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

3. Course work 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 Arkansas Standards of Licensure for Building Level Principals.
The Instructional Improvement degree is designed around the three areas teachers have identified as constituting the biggest instructional problems. Those problems are: inclusion, students with limited English proficiency, and reading. The program requires a core of courses with a minimum of 6 hours in each of the problem areas. This is a 36 semester hour program.

Students may elect a concentration in TESOL by completing ENGL 5023, 5703, 5713, and 5723.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Education degree program in Instructional Improvement if they meet the admission requirements for Graduate School and the departmental requirements on page 36.

Degree Requirements

Candidates for the Instructional Improvement degree must complete a core of 15 hours with a minimum of two courses in each of the areas of reading, inclusion and limited English proficiency.

Professional Education Core (15 hours)

- EDFD 6003 Educational Research
- EDFD 6993 Project for Educational Research
- EDFD 6063 Educational Assessment
- EDFD 6053 The At-Risk Child in the School Environment
- EDFD 6313 Principles of Curriculum Development

Reading (6 hours)

- ELED 5333 Teaching Reading and Study Strategies In the Content Area
- ELED 6323 Survey of Teaching Reading OR
  ELED 6343 Literacy Assessment and Intervention

Inclusion (6 hours)

- ELED 6803 Teaching the Exceptional Child
- ELED 6823 Introduction to Learning Disabilities

Limited English Proficiency(6 hours)

- ENGL 5023 Second Language Acquisition
- ENGL 5703 Teaching English as a Second Language

Electives: 3 hours
Master of Education
Teaching, Learning, and Leadership

The Master of Education in Teaching, Learning and Leadership will facilitate teachers 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 who have the knowledge, skills and dispositions to be mentors for new teacher inductees and colleagues, as well as marginal teachers. The degree will also fulfill the program of study requirements for Arkansas Curriculum/Program Administrator Licensure.

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:

1. Applicants must meet the admission requirements for Graduate School.
2. Two years of teaching experience.
3. A written assessment followed by an interview.
4. Successful completion of a technology assessment within the first semester of admission to the program is required.

Unconditional Admission

Degree Requirements

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

Common Core Courses (17 hours)
- MTLL 6003 School Organization and Leadership for Teacher Leaders
- MTLL 6113 Action Research and Data Analysis for School and Classroom Use
- 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

Additional Coursework (21 hours)
- MTLL 6202 Professionalization of Teaching for the Master Teacher
- MTLL 6223 Teaching and Learning for the Master Teacher
- MTLL 6242 Cognitive Coaching and Mentoring for the Master Teacher
- MTLL 6253 Advanced Curriculum Design Practicum for the Master Teacher
- MTLL 6262 Action Research Practicum for the Master Teacher
- MTLL 6271 Resource Acquisition for the Master Teacher
- EDLD 6002 Administrative Law
- EDLD 6402 Working with the Marginal Performer
- EDLD 6552/4 Administrative Internship

2. A culminating portfolio must be successfully completed and approved by a portfolio review committee.
The Master of Science in Education in Gifted Education Degree and the Gifted Education Certification Program provide a well conceived and systematic, yet flexible plan for opportunities to gain expertise in the development and education of the gifted and related areas in education. These programs will prepare graduates for a variety of types and levels of professional roles including: Practitioner (Teacher/Consultant), Teacher Trainer/Coordinator, and Program Developer/Evaluator.

Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Science in Education degree program in Gifted Education if they meet the admission requirements for Graduate School and the departmental requirements on page 36.

Degree Requirements

Candidates for the Master of Science in Education degree in gifted education must complete a 36-semester-hour degree program consisting of 9 semester hours of gifted education core requirements, 9 semester hours of professional education core requirements that includes 3 hours of action research, 9 semester hours in professional practicum and 9 semester hours in a subject matter area.

Gifted Education Core Requirements (9 hours)
- GTED 6843 Curriculum Development for Instruction of the Gifted/Talented
- GTED 6853 Methods and Materials in Gifted Education
- GTED 6903 Guidance and Counseling for the Gifted/Talented

Professional Education Core Requirements (9 hours)
- GTED 6993 Action Research
- GTED 6833 Current Issues and Trends in Gifted Education
- EDFD 6003 Educational Research

Professional Practicum (9 hours)
- GTED 5003 Understanding the Gifted in Home, School, and Community
- GTED 6863 Practicum in Gifted Education
- GTED 6873 Developing Creative Talent

Subject Matter Requirements (9 hours)

Nine (9) semester hours at the 5000-6000 level to be selected from graduate courses in subject matter areas pertaining to the student’s professional development goals.
The Educational Specialist Degree program is based on the "value-added" concept of preparation of school leaders for district level leadership positions such as superintendent and assistant superintendent.

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

1. Hold a Master's degree or equivalent in Educational Leadership.
2. Hold a Standard Teaching License.
3. Hold an Administrative License.
4. Pass a written assessment or portfolio update to be administered and/or reviewed by Educational Leadership faculty.

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

The director of the CLL program will assign a faculty advisor to each student admitted to the degree program. The advisor will assist the student in the program of study that leads to the fulfillment of degree requirements. Subsequently, the academic advisor, the Department Graduate Committee, and the Graduate School 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.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average. Students who do not submit an "Application for Admission to Candidacy" prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

1. A minimum of 30 semester hours (all at the 7000 level), including the completion of the following courses:
   EDLD 7003 Seminar in Systems Issues
   EDLD 7013 The Superintendency and Central Office
   EDLD 7022 Building a Leadership Community
   EDLD 7023 School Board Relations
   EDLD 7033 School Personnel and Business Management
   EDLD 7101 Administrative Internship in Educational Facilities
   EDLD 7112 Advanced Legal Issues
   EDLD 7113 Seminar in Current Issues
   EDLD 7122 Educational Facilities
   EDLD 7132 School Finance for District Level Administration
   EDLD 7143 School Accountability Systems
   EDLD 7201 Administrative Internship in District Level Finance
   EDLD 7202 Administrative Internship in School Accountability Systems
2. A portfolio must be successfully completed and approved by a portfolio review committee.

**Portfolio**

A candidate for an Educational Specialist in Educational Leadership must complete a portfolio as part of the program of study for the degree of Educational Specialist. This portfolio is an edited, integrated collection of an Educational Leadership candidate’s evidence that competencies 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.

**Special Conditions of Graduate Credit**

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

A maximum of nine 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 School. 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 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 School. 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 School.
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.

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 Graduate School.
2. Applicants must have previous experience in some area of student leadership or student services.
3. Applicants must submit three 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 submit recent (within the last 5 years), acceptable scores (to be determined by the faculty) of the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT).
5. Applicants must submit an essay that elucidates the requisite previous experiences and the applicant’s commitment to student personnel as a career path. The review of the essay will include a focus on both content and the applicant’s ability to write clearly and concisely.

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 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 semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 School monitor the students’ progress as they progress through the program. It remains, however, the student’s responsibility to understand and to satisfy all degree requirements.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.
Degree Requirements

1. The completion of a minimum of 36 semester hours of graduate work including the following courses:
   CSP 6013 American Higher Education in Transition
   CSP 6023 Introduction to College Student Personnel Work
   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 6063 Special Topics: College Student Personnel Capstone Seminar
   CSP 6073 Counseling with College Students
   CSP 6081-3 Practicum I in College Student Personnel
   CSP 6091-3 Practicum II in College Student Personnel
   CSP 6113 Research Design and Analysis
   CSP 6123 Assessment and Evaluation in Higher Education
   CSP 6133 Ethical Leadership in Higher Education

2. A thesis option is available for those students planning to pursue further graduate study. The thesis option must be approved by the Program Director. Students completing the thesis would take CSP 6096: Thesis in College Student Personnel in the place of CSP 6123: Assessment and Evaluation in Higher Education and CSP 6133: Ethical Leadership in Higher Education.

3. A cumulative grade point average of at least 3.00 in all graduate courses completed at Arkansas Tech University with a maximum of 6 hours of “C” grades.

4. A minimum of 27 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 years from the time of unconditional or conditional admission into the program.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine 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 School. 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 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 School. 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 School.
The Master of Science in Fisheries and Wildlife Biology is offered for those who wish to pursue careers in various areas of fisheries or wildlife biology, 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.

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

1. Met the admission requirements for Graduate School.
2. Completed a bachelor’s degree in a biological science from an accredited university.
3. Completed courses in fisheries management or wildlife management, ecology, and statistics with a minimum grade of “C”.
4. Filed scores for the Graduate Record Examination (GRE) in the Graduate School.
5. Prepared a letter of intent that addresses the applicant’s interests, goals, and reasons for applying to the degree program.
6. Provided two letters of recommendation, using the form provided by our department, from professors familiar with the applicant’s academic ability.

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 semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 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. A proposal of thesis research developed by the student and the advisor and approved by the advisory committee and program director also is expected by the end of the first semester. The advisory committee will determine acceptability of the thesis and oral defense.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon
completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

1. A minimum of 30 semester credit hours of coursework at the graduate level must be completed, including completion of:
   
   FW 6001 Graduate Seminar in Fisheries and Wildlife Biology
   FW 6002 Research Methods I
   FW 6012 Research Methods II
   FW 6013 Population Dynamics
   An approved statistics class - 3 hours
   FW 6991-6 Thesis Research - 6 hours
   Approved 5000 or 6000 level elective courses - 13 hours

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 6 hours of “C” can be counted toward degree requirements, and a student receiving more than 6 hours of “C” or 3 hours of “D” or “F” is subject to dismissal from the program. Refer to the section of the catalog on “Academic Probation and Suspension.”

3. A written thesis and an oral defense of the research thesis must be approved by the advisory committee, the program director, and the Dean of Graduate School. Students must be enrolled for a minimum of 3 graduate hours during the term of the thesis defense.

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

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six 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 School. 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 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 Dean of Graduate School. 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 School.
The Master of Science in Information Technology (MSIT) 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, and the web. Particular emphasis is placed on the use of information systems in business and education. 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.

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 business information systems. The focus is on an integrated study of networking, databases, and the web.

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 School.
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 MSIT Graduate Committee.
3. Applicants have completed one math course beyond college algebra with a minimum grade of “C”.
4. Applicants of CBIT program have completed one semester computer programming course comparable to COMS2104 with a minimum grade of “C”. Completions of one full year of computer programming courses comparable to COMS2104 and COMS2203 with a minimum grade of “C” are required for applicants of IT program.
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 School.

Applicants who fail to meet the grade point requirement specified for unconditional admission or who are lacking background in computing, computer usage, or programming may be admitted conditionally by the MSIT Graduate Committee to earn a maximum of twelve (12) graduate credit hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

The MSIT Graduate Committee will assign a faculty advisor to each student admitted to the MSIT 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 School will monitor the students’
progress. It remains, however, the student’s responsibility to understand and to satisfy all degree requirements.

Admission to Candidacy

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve graduate hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or higher. Students who do not submit to the MSIT Graduate Committee an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

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 these 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

Plus completion of 9 semester hours from the following courses:

- INFT 5103 Programming Methods
- INFT 5503 The UNIX Operating System
- INFT 5403 Introduction to Information Technology and Systems
- INFT 5413 Computer Systems and Architecture

*By passing assessment tests a maximum of 12 hours of core requirements courses can be substituted with other INFT elective courses.

Computer-Based Instructional Technology (CBIT) Option (18 hours)

- EDFD 6003 Educational Research
- EDM 6133 Production of Instructional Materials
- EDM 6313 Instructional Design and Product Development
- EDFD 6313 Principles of Curriculum Development
- EDFD 6513 Computer Based Instruction
- INFT 3 hour elective (6000 level)

Plus successful completion of written comprehensive examinations.

Information Technology (IT) Option (18 hours)

Completion of nine 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

Option I (Comprehensive Examinations):

9 hours of INFT 6000-level elective courses

The successful completion of written comprehensive examinations.
Option II (Internship):

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

Option III (Thesis):

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

2. A cumulative grade point average of at least 3.00 in all graduate courses completed at Arkansas Tech University with a maximum of 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 years** of admission into the program.

A maximum of **nine** 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 School. 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 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 School. 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.

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 School.
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. Tech’s M.A. 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.

Unconditional Admission

Students are eligible to apply for unconditional admission to the M.A. degree program in English if they meet the admission requirements for Graduate School.

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 semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

Academic Advisors

The Head of the English Department will assign a faculty advisor to each student admitted to the M.A. 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 School monitor the students’ progress. It remains, however, the student’s responsibility to understand and to satisfy all degree requirements.

Admission to Candidacy

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

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 6 hours of ENGL 6993 Thesis Research or ENGL 6996 Thesis Research (thesis option).

4. The satisfactory completion of a comprehensive examination based on the M.A. 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 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 years of admission.

**Degree Requirements for English with TESL Option**

1. The M.A. 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 6033 Rhetoric

3. The satisfactory completion of 9 semester hours of graduate English 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 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 years of admission to the program.

A maximum of six 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 School. 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 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 School. 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.

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 School.

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 Dean of Graduate School, 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.
The Master of Arts in History program at Arkansas Tech University is designed to provide advanced historical study for students who plan eventually to pursue the doctoral degree in history as well as for those who intend to pursue careers in teaching, law, journalism, business, government, public service, or the private sector. The program offers graduate education directed by faculty members with strong teaching and research backgrounds, each holding advanced degrees from noted universities. While the department has a strong commitment to excellence in teaching, its professors are also active in research and scholarship. The graduate faculty members maintain a supportive academic environment that enables them to interact closely with the graduate students.

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 School.
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 4.0 scale.
4. Applicants must submit recent (within the last 5 years), acceptable scores (to be determined by the faculty) of the Graduate Record Examination (GRE).

Conditional Admission

Applicants who fail to meet the grade point or the GRE requirement specified for unconditional admission may be admitted conditionally by the History Graduate Committee to earn a maximum of twelve semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student may be granted unconditional admission.

An applicant who does not satisfy the grade point requirement or who has not completed 24 hours of undergraduate work in history are 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 thirty 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 graduate hours, the student will be granted unconditional admission. The nature of the deficiency requirements will be determined by the History Graduate Committee.

Academic Advisors

The director of the graduate program in history will assign a faculty advisor to each student admitted to the degree program. The faculty advisor will specialize in the general field of the student’s interest, and will assist the student in the design of a curriculum of study that leads to the fulfillment of degree requirements. Eventually, the student will be encouraged to select an advisor in a specific concentration, who will help the student prepare for the thesis or comprehensive exams. The faculty advisor, the History Graduate Committee, and the Graduate School monitor the students’ progress as they progress 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 and United States History.
Students must seek a secondary area of concentration in either Modern European History, United States History, or World History.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Admission to Candidacy

Degree Requirements

Option I: Thesis Option

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

1. A minimum of 30 hours in history at the graduate level (5000-6000) with no more than 12 hours of 5000-level courses considered toward the completion of degree.
2. The satisfactory completion of HIST 6003 Historiography and Methods.
3. The satisfactory completion of 12 hours in the primary core field, including 6 hours each in Readings and Seminar courses in the area of concentration.
4. A minimum of 9 hours in the secondary area of concentration.
5. The satisfactory completion of 6 hours of HiST 6993 Thesis Research.
6. All course work must be completed within six years of admission to the degree program.
7. 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.

In addition to the above requirements, the Master of Arts in History, Thesis Option requires that:

8. No more than 6 hours of HIST 6891-4 Independent Study be counted toward the degree;
9. No more than two course grades of “C” be considered acceptable during the student’s program, and no grade lower than “C” be considered toward completion of the required course work; and
10. 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 of history at the graduate level (5000-6000) with no more than 12 hours of 5000-level courses considered toward the completion of degree.
2. The satisfactory completion of HIST 6003 Historiography and Methods.
3. The satisfactory completion of 15 hours in the primary core field, including 6 hours each in Readings and Seminar courses in the area of concentration.
4. A minimum of 12 hours in the secondary area of concentration, including 3 hours each in Readings and Seminar courses in the secondary area of concentration.

5. All course work must be completed within six years of admission to the degree program.

6. Successful completion of written comprehensive examinations on the completed course work. Comprehensive examinations will be comprised of two written exams in the primary area of concentration and one in the secondary area of concentration. Candidates will receive additional information from the Program Director upon admission to candidacy.

In addition to the above requirements, the Master of Arts in History, Non-Thesis Option requires that:

7. No more than 6 hours of HIST 6891-4 Independent Study be counted toward the degree; and

8. No more than two course grades of “C” be considered acceptable during the student’s program, and no grade lower than “C” be considered toward completion of the required course work.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six 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 School. 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 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 School. 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 School.
The Master of Arts in Multi-Media Journalism is a program designed to prepare students for careers in media that is 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.

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 School.
2. Applicants must have completed the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT) and have scores on file in the Graduate School.
3. Applicants must present a 500 word writing sample to the Director of the Multi-Media Journalism Program.
4. Successful completion of a writing and technology performance review by the Journalism Graduate Committee following the applicant’s first semester in the program is required.

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 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 semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 School monitor the students’ progress as they progress through the program. It remains, however, the student’s responsibility to understand and to satisfy all degree requirements.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

1. The completion of a minimum of 30 semester hours of graduate work including the following courses:
   
   SPH 5003 Human Communication Theory
   SPH 5153 Persuasive Theory & Audience Analysis
JOUR 5163 Advanced Photography and Video
JOUR 6053 Media and Society
JOUR 6133 Multi-Media Publishing
JOUR 6193 Journalistic Writing for Multi-Media
JOUR 6996 Professional Project
Electives 6 Hours*

*Electives may be chosen from the following Journalism courses.
  JOUR 5083 New Communication Technology
  JOUR 5123 Laws of Communication
  JOUR 5193 Communication Research Methods
  JOUR 5243 Journalism Writing Seminar

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 years of admission to the degree program.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six 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 School. 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 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 School. 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 School.
MASTER OF ARTS
SPANISH

The Master of Arts degree in Spanish is designed to provide students with advanced studies in Spanish language, literature, and culture with special emphasis on contemporary Latin American studies.

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

1. Applicants must meet the admission requirements for Graduate School.
2. Applicants must hold a B.A. in Spanish.
3. Applicants must be proficient in Spanish. Advisors will assess Spanish proficiency.
4. Applicants must have a 3.00 grade point average on a 4.00 scale in Spanish.

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 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 semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 School monitor the students' progress as they progress through the program. It remains, however, the student's responsibility to understand and to satisfy all degree requirements.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

1. The satisfactory completion of the following 36 semester hours of graduate work.

Core Requirement (12 hours)

SPAN 6003 Introduction to the MA in Spanish: Fiction as Disguised History
SPAN 6013 Spanish Composition Through Literature
SPAN 6023 Literary Theory
SPAN 6033 Seminar in Spanish American Literature
Electives (24 hours)

SPAN 5283/6283 Seminar in Spanish
SPAN 6016 Thesis Research
SPAN 6043 Conquest and Chronicles: Historiography and Fiction in the XVI Century
SPAN 6053 Spanish American Modernism, 1880-1920
SPAN 6063 Spanish American Literature and Culture in Modern Times
SPAN 6073 Spanish American Short Story
SPAN 6083 Contemporary Latin American Poetry
SPAN 6093 Latin American Novel
SPAN 6881-6 Foreign Language Workshop
SPAN 6891-4 Foreign Language Independent Study

Option I: 24 hours and a written comprehensive examination

Option II: 18 hours and a thesis

2. The satisfactory completion of 36 credit hours of graduate work (18 of which must be at the 6000 level) and a comprehensive examination, or the satisfactory completion of 30 hours of graduate work and a thesis.

3. Grades in all graduate courses must be “B” or better to be counted toward the Spanish degree.

4. The satisfactory completion of the comprehensive exam or a thesis.

5. The completion of all degree requirements within six years of admission to the degree program.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine 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 School. 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 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 School. 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 School.
MASTER OF ARTS
TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

The Master of Arts degree in Teaching English to Speakers of Other Languages (TESOL) is designed to provide further training to teachers who have already taken ESL endorsement courses, or professionals who work with language minority populations.

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

1. Applicants must meet the admission requirements for Graduate School.
2. Applicants must hold a 3.00 grade point average on a 4.00 scale for the final 60 semester hours of undergraduate study.
3. Two letters of recommendation.

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 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 semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 School monitor the students’ progress through the program. It remains, however, the student’s responsibility to understand and to satisfy all degree requirements.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

1. The satisfactory completion of the following 36 semester hours of graduate work.

Core Requirement ESL Endorsement (12 hours)

TESL 5023 Tesol Second Language Acquisition
TESL 5703 Tesol Methods: Teaching English as a Second Language
TESL 5713 Tesol Assessment
TESL 5723 Tesol Teaching People of Other Cultures
TESOL Core (9 hours)

TESL 6003 Linguistics
TESL 6013 Modern English Grammar and Usage
TESL 6023 Language and Society

Methodology (6 hours)

TESL 6033 Tesol Methods: Oral Communication
TESL 6043 Tesol Methods: Written Communication

Assessment (3 hours)

TESL 6053 Tesol Assessment Strategies

and

The satisfactory completion of six hours of the Field Experience Practicum, either TESL 6066, or TESL 6076, or TESL 6086.

Field Experience Practicum (6 hours)

TESL 6066 Public School Experience or
TESL 6076 Intensive English Internship or
TESL 6086 Overseas Internship

2. The satisfactory completion of 36 credit hours of graduate work, 24 of which must be at the 6000 level.
3. Grades in all graduate courses must be “B” or better to be counted toward the TESOL degree.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine 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 School. 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 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 School. 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 School.
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.

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.

Students are eligible to apply for unconditional admission to the Master of Liberal Arts degree program if they meet the admission requirements for Graduate School.

Applicants who fail to meet the grade point requirement specified for unconditional admission may be admitted conditionally to enroll for a maximum of twelve semester hours. If a cumulative 3.00 grade point average or better is achieved at the completion of twelve semester hours, the student will be granted unconditional admission.

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 School monitor the students’ progress through the program. It remains, however, the student’s responsibility to understand and to satisfy all degree requirements.

Students who have been granted conditional admission are eligible for admission to candidacy for the degree upon the completion of twelve hours with a 3.00 grade point average or better and completion of all deficiencies. Students who have been granted unconditional admission are eligible for admission to candidacy upon completion of twelve hours with a 3.00 grade point average or better. Students who do not submit an “Application for Admission to Candidacy” prior to the end of the semester in which the student becomes eligible will not be allowed to register for subsequent graduate classes.

Degree Requirements

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

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA 6013 Introduction to the Liberal Arts</td>
<td>3 hours</td>
</tr>
<tr>
<td>LA 6713 Liberal Arts Project</td>
<td>3 hours</td>
</tr>
<tr>
<td>Major Concentration</td>
<td>12 - 18 hours</td>
</tr>
<tr>
<td>Courses in Related Area</td>
<td>6 - 12 hours</td>
</tr>
</tbody>
</table>

2. The satisfactory completion of LA 6013, Introduction to the Liberal Arts, and LA 6713, Liberal Arts Project, as part of the 30-semester-hour requirement.

3. The public presentation of the project paper prepared for LA 6713.
4. The completion of a 12- to 18-semester hour major concentration of coursework in one of three areas:
   A.) Communications (including English and linguistics)
   B.) The Fine Arts
   C.) Social Sciences

   The completion of 6 to 12 hours in a related area of study.

5. 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 semester hours of “C” grades.

6. A minimum of 24 semester hours of graduate course work completed in residence at Arkansas Tech University. (Full time residence is not required.)

7. Completion of all degree requirements within six years of admission to the program.

1LA 6013 must be taken before the completion of twelve semester hours of graduate course work.
2The major concentration areas are communications, the fine arts, and the social sciences. The advisor will approve the courses that apply to the student's MLA major.
3Courses in the related area of study will usually not belong to the major, but will be related to a dominant theme in the courses in the major and/or to the capstone project dealt with in LA 6713.

Special Conditions of Graduate Credit

Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of six 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 Dean of Graduate School. 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 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 Dean of Graduate School. 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 Dean of Graduate School.

Liberal Arts Project

All candidates for the MLA degree must complete LA 6713, Liberal Arts Project. The requirements for this course include a scholarly research paper that will be presented publicly. With the approval of the Dean of Graduate School and the MLA Director, a significant creative project may be substituted for a scholarly research paper.
Anthropology

ANTH (RP/MUSM) 5403 Interpretation/Education through Museum Methods
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. 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 6881-3 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ANTH 6891-4 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.

Art

ART 6133 Contemporary Art Issues
An examination of topics and concerns relating to the art of our time. Discussions will be based on such topics as: art’s place in today's culture, the changing art market, the role of the artist, the semantics of art, and issues of ownership. Special emphasis is placed on the failure of Modernism and the promise of Post-Modern Art.

ART (JOUR) 6163 Survey of 20th Century Photography
An investigation of the development of photography as a fine art or commercial art form or as a medium for social documentary. Fine art photography is emphasized with the work of significant advertising, commercial, and documentary photographers also included.

ART 6891-4 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.

Biology

BIOL (PHSC) 5003 History and Philosophy of Science
A course in the historical development and philosophical basis of modern science. May not be taken for credit after completion of BIOL (PHSC) 4003 or equivalent.

BIOL 6014 Concepts of Biological Science
The general concepts, theories, and laws which are fundamental to a synthesis of modern biological knowledge. Emphasis will be placed on those areas which are particularly pertinent to and have application in the teaching of science in secondary schools. $5 laboratory fee.

BIOL 6023 Conservation Workshop
First summer term. A workshop for teachers of secondary science. Topics to be covered include the natural resources, their use and conservation, man's interaction with the environment, and the limiting factors affecting man. Workshop includes both lecture and field experience. Special project will be the development of a conservation project which will have application in the teacher's home environment.

BIOL (PHSC) 6813 Science, Technology and Human Values
Prerequisite: Bachelor's degree in one of the biological sciences. (Note: Those lacking such degree should enroll in LA 6813). An interdisciplinary introduction to the role of science and technology in shaping world views and addressing societal problems. Team taught by scientists and humanists.

Chemistry

CHEM 6034 Concepts of Chemistry
Prerequisite: Eight hours of chemistry or consent of instructor. Emphasis will be primarily directed to those inorganic/analytical concepts common to secondary school chemistry courses. Students will be introduced to some new chemistry courses: atomic theory, bonding, the periodic law, states of matter, reaction stoichiometry, kinetics, thermodynamics, acid-base chemistry, electrochemistry, nuclear chemistry, etc.

Three hours of lecture and three hours of laboratory. $5 laboratory fee.

College Student Personnel

CSP 6013 American Higher Education in Transition
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
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
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
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
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
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
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 6081-3 Practicum I in College Student Personnel
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 6091-3 Practicum II in College Student Personnel
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 6096 Thesis in College Student Personnel
Prerequisite: 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 6113 Research Design and Analysis
The student will learn to interpret, analyze, and evaluate research reports in professional journals and will understand the principles which underlie effective scientific investigation.

CSP 6123 Assessment and Evaluation in Higher Education
An in-depth survey of the outcomes assessment and institutional effectiveness movement and including assessment techniques, instruments selection, analysis of assessment data, and reporting of assessment findings.

CSP 6133 Ethical Leadership in Higher Education
A study of how educational policy is developed through micro and macro political elements, an examination of ethical and value issues confronting educational leaders, and a demonstration of how individual values drive ethical behavior and ethical decisions.

CSP 6893 Independent Study
Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University’s graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Counselling
COUN 6003 School Organization and Leadership for the Counselor
The course will examine how schools are organized and supported from the federal level to the local school. The concepts of leadership and its role at all levels will be a focal part of this study. Students will begin to examine their leadership style and dispositions.

COUN 6011 Instructional Leadership/Counseling
This course will focus on the “hard and soft” skills of instructional leadership, counseling, and micro-counseling. The teaching and learning process will be the focus of student work. Students will learn how to observe and coach for excellence in teaching and learning. The reflective practice model will serve as a basis for theory and skill development.

COUN 6113 Action Research and Data Analysis for High Performing Schools
This course will center on the analysis of data with emphasis on student achievement and whole school accountability. Data-driven decision making will be examined. Students will look at research methodologies with a focus on action research and the role of the leader in facilitating action research in the field.

COUN 6133 Principles of Curriculum Development
This course will focus on national, state, and local curriculum standards. Students will gain an understanding of the alignment issues of curriculum, instruction, and assessment as they prepare a curriculum artifact based on the principles of curriculum.

COUN 6143 Organizational Change/Role of School Counselor
This course will examine theories of change looking at research and case studies of first and second order change. Students will gain strategies as leaders of change as schools work to move closer to higher performance. Students will study a current change taking place in a school.

COUN 6152 Professional Portfolio
Students will develop a portfolio organized to provide evidences demonstrating proficiency supporting the standards for Arkansas licensure requirements for counselors. This professional portfolio will be a comprehensive collection of artifacts reflective of the program of study designed to meet the standards for school counselors.

COUN 6213 Developmental Counseling: Theory and Application
This course provides an overview of the basic tenets of life span development and how they relate to school counseling. Developmental Counseling contains a balance of research, theoretical clarity, and practical application as students move through the stages of lifesaving development.

COUN 6224 Counseling Skill Development I
Students will examine basic skills and characteristics involved in becoming effective school counselors; will articulate, practice, and demonstrate basic mastery of these skills and characteristics; will develop a systematic approach to the counseling process; and will assess personal strengths and limitations related to becoming professional school counselors.
COUN 6233 School Counseling Programs
This course will review the basic concepts and principles of elementary, middle, and secondary school counseling programs. Specific focus will be on program accountability, development, and leadership of school-based counseling programs.

COUN 6243 Group Counseling Strategies in the Schools
Students will be expected to draw relationships among the concepts and principles of individual, family, and group counseling and apply that knowledge to a school setting.

COUN 6254 Assessment and Career/Academic Advising
This course prepares pre-service counselors to facilitate the public schools role in career development, planning, and decision making within the educational context.

COUN 6263 Teaming, Collaboration, and role in career development, planning, and counselors to facilitate the public schools setting.

COUN 6243 Group Counseling Strategies in the Schools
Specific focus will be on program principles of elementary, middle, and schools.

COUN 6233 School Counseling Programs
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. Internship fee of $100.00 for 4 hour course.

COUN 6291-4 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. May be repeated for a maximum of 4 hours.

Driver Education
DE 5613 Driver and Traffic Education I
Prerequisites: Arkansas Teaching Certificate, valid driver's license, good driving record, or approval of department head. This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. This course provides a survey of materials and methods of instruction plus evaluation of textbooks and in-car training of a student driver. Two hours lecture, two hours laboratory. May not be taken for credit after completion of DE 4513 or equivalent.

DE 5543 Driver and Traffic Education II
Prerequisites: Arkansas Teaching Certificate, valid driver's license, good driving record, or approval of department head. This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. It includes administration, supervision of personnel, design of facilities, and a research project. May not be taken for credit after completion of DE 4543 or equivalent.

Economics
ECON 5073 World Economic Systems
On demand. Prerequisites: ECON 2003, 2013, or consent of instructor. A study of the institutional framework of an economic system selected by the instructor. The course includes a visit to the country being studied. May not be taken for credit after completion of ECON 4073 or equivalent.

ECON 6881-3 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ECON 6891-4 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.

Educational Foundations
EDFD 5052 Teaching Exceptional Learners
A study of the major areas of exceptionality including the learning and physically disabled, mentally retarded, and the gifted, and of their special needs in a school program. May not be taken for credit after completion of EDFD 4052.

EDFD 6003 Educational Research
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
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
A seminar designed to investigate the characteristics of the at-risk student and to investigate the teaching strategies utilized to meet the needs of the at-risk student in the regular classroom.

EDFD 6063 Educational Assessment
Provides the knowledge base for construction, selection, administration, and interpretation of formal, informal, and alternative forms of student assessment.

EDFD 6203 Supervision of Instruction
The techniques of instructional supervision including evaluation and improvement of classroom instruction.

EDFD 6313 Principles of Curriculum Development
A study of the elements and principles of curriculum design and construction for teachers at the elementary and secondary school levels. The course considers the theoretical concerns of curriculum planning as well as the activities involved in carrying theory into practice.
EDFD 6402 Social and Historical Factors in Education
The study of education and various social groups, including the effects of various societal and educational systems.

EDFD 6503 Classroom and Behavioral Management
A seminar to examine research for sources and types of models available for managing the classroom. Development of classroom management skills and systems by applying human development, learning, teaching, and communication principles. This class will review the research and professional literature on classroom management.

EDLD 6102 School Finance
A study of school budgeting, accounting techniques, and funding formulas.

EDLD 6113 Action Research and Data Analysis
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
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
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
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. This course is a prerequisite for EDLD 6402.

EDLD 6303 Technology as an Administrative Tool
The role of technology in improving the education system is the focus of this course. The use of technology by the administrator to improve the quality of education managerially and instructionally is the emphasis of the course.

EDLD 6313 Principles of Curriculum for School Leadership
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
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
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 6552 Administrative Internship
Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system. Internship fee of $50.00 for 2 hour course.

EDLD 6554 Administrative Internship
Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system. Internship fee of $100.00 for 4 hour course.

EDLD 6891-4 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.

EDLD 6992 Professional Portfolio
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.

EDLD 7003 Seminar in Systems Issues
This course focuses on system issues and the resulting development of coherent educational policy for public elementary and secondary schools that unifies purpose. This focus is primarily at the state level, where formal responsibility lies, but it concerns federal and district policy as well as school practice.

EDLD 7013 The Superintendent 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 7022 School Board Relations
The study of school board-administrator relationships and procedures with emphases on community relations, the politics of education and functioning cohesively as an educational, policy-making group.

EDLD 7033 School Personnel and Business Management
Principles, processes and procedures of school personnel management and business management are probed. Issues and topics investigated include supervision, evaluation, recruitment, staff development, salary and contractual obligations, attendance accounting, APSCN procedures, financial accounting, and property accounting.

EDLD 7101 Administrative Internship in Educational Facilities
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.

EDLD 7112 Advanced Legal Issues
This course focuses on the United States Constitution and its effects on due process requirements for public schools. Issues include the relationship of constitutional, statutory and case law to public school districts particularly in these areas of current concern - students’ rights and responsibilities, teachers’ rights and responsibilities, procedural and substantive due process, and liability.

EDLD 7113 Seminar in Current Issues
The course will investigate contemporary issues and trends related to educational leadership and examine problems and solutions that are of current concern for school organizations. These issues include school finance alternatives, serving a diverse constituency, meeting individual and group needs, accountability issues, instructional issues including the integration of technology, evaluation of instructional issues, evaluation of programs and personnel, and changing policies at the state and national level.

EDLD 7122 Educational Facilities
This is a study of school facilities and transportation planning and concepts, management and practices. Topics include how to use and maintain present school plants, keeping the board and community informed as to building needs, selecting architects, financing construction, safety and security issues, and developing educational specifications.

EDLD 7132 School Finance for District Level Administration
Economics and school finance: Basic concepts include local, state and federal support of education, the Arkansas State Financial System (APSCN), budgeting and projecting, financing capital items, centralization vs. site-based concepts, fiscal management, auditing, and communicating finance to the board and community.

EDLD 7143 School Accountability Systems
This course probes the essential elements of a monitoring system designed to help schools and districts acquire the information they need to better realize their intentions for improvement, accountability, and school restructuring.

EDLD 7201 Administrative Internship in District Level Finance
A field study experience providing the student with an opportunity to synthesize and apply knowledge, and to develop and practice administrative skills as they relate to the principles of district level school finance. It applies reflective practice under the direction of a practitioner mentor and a university advisor and focuses on existing state and district level financial practices, resources, and responsibilities.

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.

EDMD 6113 Microcomputers for Education and Training
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 6133 Production of Instructional Materials
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 6135 Internet Resources
An introduction to resources available on the Internet as well as the tools needed to navigate within a worldwide network of computers, made up of thousands of autonomous networks which are separately administered.

EDMD 6233 Administration of Media Programs
Prerequisite: Nine 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
A survey of current media research, educational media formats, and utilization of mediated materials in education and training, and the development of instructional programs.
EDMD 6313 Instructional Design and Product Development

Prerequisites: Nine hours of instructional technology courses, including a media production course. A study of the systematic approach to the design, production, evaluation, and utilization of instructional materials. Using design models and general theoretical knowledge specifications, students will write goals and objectives, identify learner characteristics, conduct task analyses, define learning conditions and instructional events, produce instructional products to meet identified needs, and field test finished products.

EDMD 6333 Instructional Multimedia

A study of the human, persuasive, and communicative elements of the medium of television; the effective use of television in education and training; and the writing, producing, directing, and editing of one-camera and studio television productions.

EDMD 6432-6 Practicum in Educational Media

An overall view of the field of educational media and instructional technology. Current journals, trends, and authorities in the field will be studied. Students will participate in 120 hours (3 hrs. credit) OR 240 hours (6 hrs. 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. Required of all library media specialist students.

EDMD 6503 Computer Literacy

An introduction to computer hardware and software. An overview of computer uses in society with an emphasis on computers in education. An introduction to programming with a high-level language. May not be taken for credit after completion of COMS 4503/5503 or equivalent.

EDMD 6513 Computer - Based Instruction

An introduction to the use of the computer as a classroom tool to aid in individual instruction. A survey of existing programs available to support courseware development and use on microcomputers, minicomputers, and mainframes. Hands-on experience in developing an interactive instruction lesson. May not be taken for credit after completion of COMS 4513/5513 or equivalent.

EDMD 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDMD 6891-4 Instructional Technology Curriculum

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

EDMD 6993 Thesis Research Seminar

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 graduate students.

Elementary Education

EDLE 5633 Educators in Industry

A course devoted to career awareness in relation to the modern workplace. It is conducted in cooperation with local businesses and industries. The course involves research, on-site instruction, and work experience.

EDLESEED 5333 Teaching Reading and Study Strategies in the Content Area

This course is designed to provide pre-service and in-service teachers and administrators with a knowledge of reading factors as they relate to various disciplines. Content of the course includes estimating students' reading ability, techniques for vocabulary, questioning, and developing reading-related study skills.

EDLE 6036 Science, Mathematics, and Reading: An Interdisciplinary Approach K-4

This course stresses the learning of science, mathematics, and reading as active, integrated, constructive processes involving experimentation, investigation, communication, reasoning, and problem solving.

EDLE 6322 Survey of Teaching Reading

A broad overview of the major viewpoints about reading and current approaches to literacy instruction, with emphasis on its socio-psycholinguistic aspects.

EDLE 6343 Literacy Assessment and Intervention

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.

EDLE 6363 Clinical Practices

Prerequisites: ELED 6323 and ELED 6343. Clinical experiences in reading. Students diagnose and treat reading disability cases under supervision. A $12.50 fee will be assessed to cover the cost of supplies and materials.

ELED (LBMD) 6403 Literature for Children and Adolescents

An in-depth study of printed and other types of materials available for use in the elementary grades and middle school. Emphasizes the selection and use of materials to stimulate and improve learning.

ELED 6423 Current Issues in Early Childhood Education.

A survey of contemporary developments in early childhood education with emphasis upon individual teaching problems. Intensive study in areas of individual interest and need.

ELED 6523 Survey of Research in Elementary Education

A critical review, examination, and evaluation of investigations, studies, and other research findings which have special significance for elementary education. The implications of this research for educational practice will also be considered.

ELED 6603 Teaching Social Studies in the Elementary School

Focuses on new and emerging elementary and middle school social studies curricula. Special emphasis on improving the instructional program.

ELED 6803 Teaching the Exceptional Child

Focuses on curricular content and teaching materials for the exceptional child. Special consideration is given to developing more effective teaching methods and materials for the atypical child.

ELED 6823 Introduction to Learning Disabilities

A study designed to teach a recognition of behavioral characteristics of children who have perceptual problems. This course also includes information about prescribed referral procedures and gives an overview of diagnostic, and prescriptive instruction.

ELED 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Arkansas Tech University
ELED 6891-4 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.

ELED 6993 Thesis Research
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
Directed research on a thesis topic selected by the student in consultation with a supervising professor.

English

ENGL 5203 Second Language Acquisition
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. May not be taken for credit after completion of ENGL 4023.

ENGL 5083 Seminar: English Language
Course content will vary. May be taken for credit after completion of ENGL 4083 or ENGL 5083 if course content differs.

ENGL 5093 Seminar in Creative Writing
Opportunity for students to refine style and technique in a genre of creative writing. May be repeated for credit after completion of ENGL 4093 or ENGL 5093 if course content varies.

ENGL 5213 American Folklore
A study of the forms and subjects of American folklore; folklore scholarship and bibliography; field work in collecting folklore. May not be taken for credit after completion of ENGL 4213.

ENGL 5283 Seminar: World Literature
Course content will vary. May be taken for credit after completion of ENGL 4283 or ENGL 5283 if course content differs.

ENGL 5383 Seminar: American Literature
Course content will vary. May be taken for credit after completion of ENGL 4383 or ENGL 5383 if course content differs.

ENGL 5483 Seminar: British Literature
Course content will vary. May be taken for credit after completion of ENGL 4483 or ENGL 5483 if course content differs.

ENGL 5683 Seminar in Women's Studies
Course content will vary. 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
An investigation and practice in teaching different levels of English grammar, oral communication, comprehension skills, reading, and composition to foreign students. May not be taken for credit after completion of ENGL 4703.

ENGL 5713 ESL Assessment
An introduction to the tools, techniques, and procedures for evaluating the English proficiency and language development of ESL students. May not be taken for credit after completion of ENGL 4713.

ENGL 5723 Teaching People of Other Cultures
An examination of cultural diversity in Arkansas and the United States, designed for prospective ESL teachers. May not be taken for credit after completion of ENGL 4723.

ENGL 6003 Introduction to English Graduate Study
An exploration of the ideas, methods and resources appropriate to the study of English language and literature. May not be taken for credit after completion of LA 6013.

ENGL 6013 Structure of the English Language
A study of the grammatical system of English through three different approaches: traditional, structural, and transformational-generative.

ENGL 6033 Rhetoric
A study of the history, theory, and application of rhetoric.

ENGL 6213 Topics in Literature
Examination of various topics through the intensive study of selected literature. May be repeated for credit if course content varies.

ENGL 6283 Literature and Society
A contextual study of selected works designed to explore the ways in which literature reflects and shapes society. May be repeated if course contents varies.

ENGL 6813 Directed Readings
A study of literary works selected from the M.A. in English Examination Reading List.

ENGL 6881-4 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ENGL 6891-4 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.

ENGL 6993 Thesis Research
Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate Studies. Directed research on a thesis topic selected by the student in consultation with a supervising professor. Students enrolled in the M.A. in English may repeat ENGL 6993 for credit.

ENGL 6996 Thesis Research
Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate Studies. Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

Fisheries and Wildlife

FW 5003 Principles of Wildlife Management
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 agencies. Lecture three hours.

FW 5014 Forest Ecology and Management
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, lab four hours. $10 laboratory fee.

FW 5024 Limnology
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 methodology. Lecture two hours, laboratory four hours. $5 laboratory fee.
FW 5034 Geographic Information Systems in Natural Resources
Prerequisites: A course in statistics and computer science or an introductory course to GIS. Use of GIS technology in wildlife and fisheries management and research. Emphasis placed on creation, maintenance, and analysis of spatially explicit data. Lecture two hours, laboratory four hours. $5 laboratory fee.

FW 5083 Principles of Fisheries Management
Prerequisites: Courses in ecology, statistics, and calculus or permission of instructor. The principles and theory of warm-water fish management with major emphasis on behavior, aquatic habitat, and population dynamics. Lecture three hours.

FW 5881-4 Advanced Topics
Prerequisite: Consent of instructor. This course offers special emphasis on fisheries and wildlife topics that are not otherwise covered in the curriculum. 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. On demand.

FW 6001 Graduate Seminar in Fisheries and Wildlife Biology
Analysis of current and classical concepts in fisheries and wildlife biology. The primary focus of this course will vary from offering to offering, thus the course may be taken for credit more than once. Lecture one hour.

FW 6002 Research Methods I
Prerequisites: A course in statistics. Methods for literature review, experimental design, and thesis proposal development. Lecture two hours.

FW 6012 Research Methods II

FW 6013 Population Dynamics
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. Lecture three hours.

FW 6891-4 Independent Study
Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge that complements the purpose or 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.

FW 6901-6 Thesis Research
Research on a topic culminating in a written thesis.

Foreign Language
FR 5283 Seminar in French
Prerequisite: At least 19 semester hours of French at the undergraduate level or permission of instructor. Course content will vary. May be repeated for credit after completion of FR 4283 or FR 5283 if content is different.

FR 6801 Cultural Immersion and Research
Prerequisite: Enrollment in A.I.L.P. French Immersion Weekend and permission of instructor. Intensive study of French cultural topics followed by individual research projects. May be repeated for credit if content varies.

FR 6881-6 Foreign Language Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

FR 6891 Foreign Language Independent Study
Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

GER 6881, 4, 5 & 6 Foreign Language Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction.

GER 6891-2 Foreign Language Independent Study
Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

SPAN 5283 Seminar in Spanish
Prerequisite: At least 19 semester hours of Spanish at the undergraduate level. May be repeated for credit after completion of SPAN 4283 or SPAN 5283 if content is different.

SPAN 5803 Latin American Film Theory
Prerequisite: SPAN 3123 or equivalent. An introduction to Latin American Film Theory and major films. The course traces the development of film and film theories in Latin America from its earliest initiatives in the 1950's in Peru, Venezuela, and Uruguay to the present.

SPAN 6003 Introduction to the M.A. in Spanish: Fiction as Disguised History
The emphasis of this course is on analytical reading and academic writing. The course provides the student with research and analytical tools used in the humanities in order to develop the ability to handle larger expository and argumentative units and to deal more effectively with the writing process.
SPAN 6013 Spanish Composition Through Literature
A close study of texts from contemporary Spanish and Spanish-American writers, with an emphasis on literary analysis, the usage of selected grammatical features and writing styles.

SPAN 6016 Thesis Research
Prerequisite: Approval of a thesis plan by the Head of the Department of Foreign Languages and international Studies and the Dean of Graduate Studies. Directed research on a topic selected by the student in consultation with the supervising professor.

SPAN 6023 Literary Theory
Examination of the fundamental concepts of literary theory and criticism and their applications to Spanish texts, poetry, narrative, and drama.

SPAN 6033 Seminar in Spanish American Literature
This course is designed to introduce the student to major writers in contemporary Spanish American literature. The course will examine each work within its structure. Particular attention will be paid to social, intellectual, and existential aspects.

SPAN 6043 Conquest and Chronicles: Historiography and Fiction in the XVI Century
Examination of XVI century texts from a historical, cultural, and literary perspective.

SPAN 6053 Spanish American Modernism, 1880-1920
Examination of Spanish-American modernist movement through different theoretical frames, and the ideology and rationale behind its criticism of Modernity.

SPAN 6063 Spanish American Literature and Culture in Modern Times
The course will examine Latin American literature from the turn of the century modernism to present time. This will include the multiple aspects of modernism, realism and regionalism, post-modernist poetry, contemporary prose, and theatre. Specific themes will be studied such as man versus nature, man versus society, gender issues, and the representation of women. The use of art and film will also be studied.

SPAN 6073 Spanish American Short Story
An analysis of Spanish American Short Story, from the 1940's to the present. Emphasis will be placed on the study of the fantastic and magical realism in Latin American Literature. Particular attention will be given to distinguished literary figures such as: Borges, Cortazar, Cabrera, and Marquez. Their work will be studied in depth and examined from different critical and theoretical perspectives.

SPAN 6083 Contemporary Latin American Poetry
Examination of black poetry in Latin America, and the process of transculturation as a discourse of identity in the Caribbean.

SPAN 6093 Latin American Novel
The narratives selected in this course will focus on the relationship between the world and literature. Readings will include the liberated and rebellious literature from Macedonio Fernandez, the canonical and marginal works from Julio Cortazar and Jose Emilio Pacheco and the narratives of the ninety by Ricardo Piglia.

SPAN 6283 Seminar in Spanish
Selected topics on language, literature, or culture in the Americas and Spain. Course may be repeated if content differs.

SPAN 6801 Cultural Immersion and Research
Prerequisite: Enrollment in A.I.L.P. Spanish Immersion Weekend and permission of the instructor. Intensive study of Spanish cultural topics followed by individual research projects. May be repeated for credit if content varies.

SPAN 6881-4 Foreign Language Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SPAN 6891-4 Foreign Language Independent Study
Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

General Science

GSCI 6003 Higher Order Thinking In Science
A course designed to assist teachers expand their scientific knowledge, of life, earth, and physical systems; create successful learning environments for students by teaching to use manipulatives, calculators, laboratory equipment, and various learning strategies; and to provide access to appropriate materials and equipment. This laboratory-based course stresses the learning of science as active, integrated, constructive processes involving experimentation, investigation, communication, reasoning, and problem solving. Lecture 2 hours, laboratory 2 hours.

Geography

GEOG 5023 Economic Geography
A study of the resources at man's disposal and his economic activities in utilizing these resources. Special attention is given to industrial and agricultural resources of leading nations. May not be taken for credit after completion of GEOG 3023 or GEOG 4023 or equivalent.

GEOG 5803 Seminar in Global Studies
A directed seminar in a major world region. The region and specific focus will depend upon the current world situation and student needs. May not be taken for credit after completion of GEOG 4803.

GEOG 5833 Geographic Information Systems
An introductory course dealing with computer organized spatial and attribute data. GIS is a system of specialized computer programs with the capability to manipulate and analyze data for problem solving. May not be taken for credit after completion of GEOG 4833 or equivalent.

GEOG 6003 Political Geography
Seminar on the influence of geography in world affairs. A survey of how the physical and cultural geographical factors influence contemporary policies and events.

GEOG 6813 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GEOG 6891-4 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.

Gifted Education

GTED 5003 Understanding the Gifted in Home, School and Community
Prerequisite: Consent of instructor. A survey in gifted education providing basic knowledge and concepts of interest to parents, prospective teachers and the community at large. May not be taken for credit after completion of GTED 4003.
GTED 6833 Current Issues and Trends in Gifted Education
Prerequisite: Consent of instructor. Critically examines timely and controversial issues in the field of education of the gifted to assist educators in developing more defensible programs for gifted/talented children. An outgrowth of such a systematic analysis of the trends and issues should be a greater understanding of Gifted/Creative Education as it is presently viewed by the scholars and practiced in the field. One should also gain new insights as to the direction in which we are moving as a “discipline” and as a school function.

GTED 6843 Curriculum Development for Instruction of the Gifted/Talented
Provides a background for the development of curriculum material designed to serve the educational needs of gifted/talented, particularly in regard to critical thinking, problem solving, and creativity.

GTED 6853 Methods and Materials in Gifted Education
This course is designed to provide instruction in methods and techniques of appropriate teaching for gifted/talented students. Also included are guidelines for materials selection and curriculum modification.

GTED 6863 Practicum in Gifted Education
Prerequisite: Consent of instructor. Clinical experiences in teaching the gifted/talented. Designed to assist teachers in providing individualized instruction necessary for developing the potential of the gifted/talented. A $12.50 fee will be assessed to cover the cost of supplies and materials needed for a three-hour course.

GTED 6873 Developing Creative Talent
Prerequisite: Consent of instructor. Includes a review of research on creativity and provides instruction in the use of methods and techniques appropriate for the development of creative talent at elementary and secondary levels. Also included are guidelines for materials selection and curriculum modification.

GTED 6881-3 Workshop
Prerequisite: Consent of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GTED 6891-3 Independent Study
Prerequisite: Consent of instructor. 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 an action study.

GTED 6903 Guidance and Counseling of the Gifted/Talented
Defines the distinctive emotional needs of the gifted and presents strategies that counselors, teachers, and parents can use to help the gifted meet those needs at school and at home.

GTED 6991 Action Research
Prerequisite: GTED 6993 Action Research. Directed action study. If the six-hour action study (GTED 6993-6) has not been completed during the semester(s) of enrollment, the student must register for GTED 6991 during subsequent semesters in which he/she is receiving faculty assistance with the action study and/or using University library facilities.

GTED 6993 Action Research
Prerequisite: EDFD 6003 Educational Research. Directed action study selected by the student in consultation with supervising faculty in the School of Education.

History
HIST 5013 American Military History
Prerequisite: HIST 2003 or equivalent. A study of the American military from its colonial origins to the present, including the development of the military establishment and its relationship with American society. May not be taken for credit after completion of HIST 4013 or its equivalent.

HIST 5023 Vietnam War
A study of the American involvement in Vietnam from 1945 to 1975. Emphasis will rest on the actual period of war in Vietnam. May not be taken for credit after completion of equivalent course under HIST/POLS 4983, 5983, or HIST 4023.

HIST 5033 The Frontier in American History
Study of the American frontier as a place, as a process, and as a state of mind influential in shaping institutions and attitudes during the expansion of this nation westward from Atlantic to Pacific. May not be taken for credit after completion of HIST 4033 or equivalent.

HIST 5053 Economic History of the United States
A study of the major economic forces which have helped influence, and been influenced by, United States history. Particular emphasis will be given to the development of agriculture, business, industry, and labor in their American setting. May not be taken for credit after completion of HIST 4053 or equivalent.

HIST 5073 American Diplomatic History, 1776-1912
Prerequisite: HIST 2003. This course is a study of America’s diplomatic relationships with other nations and peoples from 1776 to 1912. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States’ early struggles in diplomacy through its expansion and eventual emergence as a world power. May not be taken for credit after completion of HIST 4073 or its equivalent.

HIST 5083 American Diplomatic History, 1912 to the Present
Prerequisite: HIST 2013. This course is a study of America’s diplomatic relationships with other nations and peoples from 1912 to the present. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States’ from its emergence as a world power through two world wars, a cold war, and a war on terrorism. May not be taken for credit after completion of HIST 4083 or its equivalent.

HIST 5123 African American History
Prerequisite: Consent of instructor. This course is a study of America’s diplomatic relationships with other nations and peoples from 1776 to the present. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States’ from its emergence as a world power through two world wars, a cold war, and a war on terrorism. May not be taken for credit after completion of HIST 4083 or its equivalent.

HIST 5123 African American History
Prerequisite: Consent of instructor. This course is a study of America’s diplomatic relationships with other nations and peoples from 1776 to the present. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States’ from its emergence as a world power through two world wars, a cold war, and a war on terrorism. May not be taken for credit after completion of HIST 4083 or its equivalent.

HIST 5123 African American History
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HIST 5123 African American History
Prerequisite: Consent of instructor. This course is a study of America’s diplomatic relationships with other nations and peoples from 1776 to the present. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States’ from its emergence as a world power through two world wars, a cold war, and a war on terrorism. May not be taken for credit after completion of HIST 4083 or its equivalent.
HIST 5133 Latinos in the U.S.
This course is an analysis of the historical and cultural heritage of Latinos who have lived or are currently living in the United States. This course includes the colonial origins of Latino groups and their general migration patterns to the United States. This course also explores the development of Latino communities as well as the relationship between Latinos and social institutions. May not be taken for credit after completion of HIST 4133 or equivalent.

HIST 5143 Native American History
Prerequisite: HIST 2003 or HIST 2013. A survey of Native American history from the Archaic period to the present. This course will present an interpretation of the historical experience of the diverse nations native to North America utilizing an ethno-historical approach. Some emphasis will be placed on the formation and operation of United States government policy regarding Native Americans in both the 19th and 20th centuries. May not be taken for credit after completion of HIST 4143 or equivalent.

HIST 5153 History of Arkansas
A study of the history of the state from Indian times to the present, noting political, social, economic, and cultural trends. May not be taken for credit after completion of HIST 3153 or HIST 4153 or equivalent.

HIST 5203 Women in American History
A treatment of women in Western and American social history in their lifestyles and economic and family roles. May not be taken for credit after completion of HIST 3203 or HIST 4203 or equivalent.

HIST 5473 History of England to 1689
A survey of the political, legal, and constitutional development of England, with particular emphasis on England's development in relation to that of Western Europe in general. May not be taken for credit after completion of HIST 3483, HIST 4473, or equivalent.

HIST 5493 History of England Since 1689
A study of cultural, political, and constitutional history of England in the modern era, with a consideration of the influence of England upon the institutions of her colonies and of the role of England in the economic development of the Western World. May not be taken for credit after completion of HIST 3493 or HIST 4493 or equivalent.

HIST 5513 History of Science
Prerequisite: HIST 1503 and HIST 1513. A study of the origins, nature, and development of Western science, and its social, economic, and cultural context. May not be taken for credit after completion of HIST 4513 or its equivalent.

HIST 5703 History of Modern Africa
A treatment of African history since 1600, dealing with the development of African states in sub-Saharan Africa up to present African nations. May not be taken for credit after completion of HIST 4703 or equivalent.

HIST (POLS) 5981-3 Social Science Seminar
A readings course in selected topics in modern European history. (May be repeated under different topical listings.)

HIST 6013 Seminar in American History to 1877
A readings course in selected topics in American history to the late 19th century. (May be repeated under different topical listings.)

HIST 6023 Seminar in American History since 1877
A readings course in selected topics in American history since 1877. (May be repeated under different topical listings.)

HIST 6033 Readings in American History
A readings course in selected topics in American history. (May be repeated under different topical listings.)

HIST 6043 Readings in American History since 1877
A readings course in selected topics in American history since 1877. (May be repeated under different readings topics.)

HIST 6081-3 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

HIST 6881-3 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.

HIST 6993 Thesis Research
Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Humanities

HUM 5423 Seminar in Humanities
A directed seminar in the Humanities. The specific content will depend on research under way, community or student need, and the unique educational opportunity available. May be repeated for credit if course content changes.
HUM 6233 A Survey of the Fine Arts
This course is designed to present information about the fine arts to assist students to develop appreciation of, and sensitivity to, the fine arts. It is particularly designed for (1) persons who desire breadth of understanding about the fine arts, (2) teachers of gifted and talented students, and (3) students of the fine arts who desire more interdisciplinary information about the fine arts.

HUM 6513 American Musical Theatre
A study of the origins and evolution of musical theatre in the 19th and 20th centuries in America, with particular emphasis on turning point musicals, such as Show Boat, Oklahoma, West Side Story, Hair, and Sunday in the Park with George. On important composer/lyricist teams, such as Rogers and Hart, Rogers and Hammerstein, Lerner and Lowe, Bernstein and Sondheim, and on contemporary trends, including rock musicals, Off-Broadway musicals, and operatic musicals.

Information Technology

INFT 5053 Information Systems Resource Management
A study of the principles and concepts involved in the management of information resources including hardware, software and personnel. Includes coverage of departmental functions within computer information services as well as legal, ethical, and professional issues, quality management, and strategic impact of information system.

INFT 5103 Software Development
Prerequisite: 1 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 5123 Laws of Communication
This course will familiarize the student with legal knowledge necessary for a communications 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.

INFT 5203 Database Systems
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

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 instruction sets, fundamental networking terminology and implementation strategies, and an introduction to basic digital logic design.

INFT 5503 The UNIX Operating System
An introduction to the UNIX operating system. Topics to be covered will include the history and philosophy of UNIX systems, an introduction to basic elements of UNIX, the "shell" command interface, utilities for managing files, and an introduction to the functions that administrators perform to maintain or re-establish the reliability of UNIX systems and the tools that UNIX provides to support that activity.

INFT 5703 Computer Networks
Prerequisite: 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 5981-3 Special Topics
A treatment of subjects not routinely covered in other courses. Subjects will vary. May be repeated for a maximum of 6 hours.

INFT 6013 Decision Support Systems
This course enables students to acquire a broad understanding of 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
Prerequisite: 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
Prerequisite: INFT 5103, 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 6703 Heterogeneous Networks
Prerequisite: INFT 5503 and INFT 5703. Networking in a heterogeneous environment.

INFT 6903 Emerging Trends in Information Technology
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
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. This course must be continued by taking INFT 6983 in a later semester to complete the entire six-hour thesis research.
INFT 6983 Thesis Research in Information Technology II
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 6991-3 Internship
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. This course can be repeated up to six total credit hours in different semesters. The internship will require the equivalence of four clock hours per week of direct client interaction per credit hour earned.

Journalism

JOUR 5033 Community Journalism
A course to acquaint the student with the characteristics of journalism as practiced in small towns and cities and study the relationship of the news media to the other institutions of the town or city.

JOUR 5053 Mass Communication Seminar
Prerequisite: Permission of instructor. Studies of the relationship of mass communication to social, political, technical, and economic issues. Course content will vary. May be repeated for credit as JOUR 5053 when course content changes.

JOUR 5083 New Communication Technology
A study of and practice in the use of the developing technology of mass communication, including the social, legal and economic effects.

JOUR 5113 History of American Journalism
Prerequisite: Permission of instructor. A survey of the history of American journalism and mass media and their relationships to technical, economic, political, and other aspects of American society. 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. May not be taken for credit after completion of JOUR 4123, or equivalent.

JOUR 5163 Advanced Photography and Video
An introduction to advanced photographic techniques including color film processing, digital photography, and nonlinear editing. Various historic and current theories of visual journalism provide a substantive base for the application of techniques.

JOUR 5193 Communication Research Methods
Introduction to the methodologies of behavioral science applied to communication research including design measurement, data collection, and analysis. Explores the use of surveys, content analysis, focus groups, and experiments in studies of communication processes and effects. Students will complete a research project.

JOUR 5243 Journalism Writing Seminar
This course is designed to teach the fundamentals of news writing and fact-gathering for the mass media in a concentrated format. Emphasis will be on newspaper writing style, but the fundamentals will apply to broadcasting, news media, public relations, advertising, and other fields.

JOUR 6053 Media and Society
Prerequisite: SPH 5003, Human Communication Theory. 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
Prerequisite: JOUR 5163, 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 (ART) 6163 Survey of 20th Century Photography
Paints the relationship of the news media to the other institutions of the town or city.

JOUR 6193 Journalistic Writing for Multi-Media
Introduction to writing for multi-media. Course explores the advantages, audiences, and various technologies before studying the formats and language appropriate for each medium. Students develop their writing skills through analysis and practice.

JOUR (ART) 6263 Survey of Photojournalism
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.

JOUR 6293 Thesis in Journalism
Prerequisite: Permission of instructor. A study of and practice in the use of the developing technology of mass communication, including the social, legal and economic effects.

JOUR 6294 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.
JOUR 6996 Professional Project
Projects should be original work that is a manifestation of the student's multi-media expertise and reflect both a mastery of content with respect to a given topic as well as the technological skill to present the same in a multi-media format. All completed projects must include a written review of the literature and other materials relevant to the project. It is anticipated that the review will be substantive and comprehensive, and clearly indicate how the project builds on intellectual and journalistic traditions.

Liberal Arts
LA 6013 Introduction to the Liberal Arts
A study of the ideas, methods, and resources appropriate to the disciplines in the liberal arts.

LA 6213 Liberal Arts Colloquium
Seminar in a topic relevant to the liberal arts. Course content will vary. May be repeated for credit as LA 6213 if course content differs.

LA 6713 Liberal Arts Project
Completion of creative or research project. Grade received for successful completion of project is credit (CR).

Library Media
LBMD 6003 Selection of Instructional Materials
A study of the selection, evaluation, organization, and purchasing of instructional materials for the school library media center. The course includes a review of selection tools for identifying materials, determining suitability for specific grade levels, and establishing purchasing and teacher review procedures.

LBMD 6013 Reference Materials in the School Library Media Center
Study of the techniques of reference work, reference interviews, types of reference questions, selection of reference materials (print and non-print), and practice in their use with special emphasis on school library media centers. Networking for the purpose of sharing resources will receive emphasis in the course. Students will be required to do hands-on machine reference searches in addition to a research project.

LBMD 6023 Classification and Cataloging
Prerequisite: Nine 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 (ELED) 6403 Literature for Children and Adolescents
An in-depth study of printed and other types of materials available for use in the elementary grades and middle school. Emphasizes the selection and use of materials to stimulate and improve learning.

Mathematics
MATH 5103 Linear Algebra II
Prerequisite: MATH 4003 or consent of the department of mathematics. A continuation of MATH 4003 with emphasis on abstract vector spaces, inner product spaces, linear transformations, kernel and range, and applications of linear algebra. MATH 5103 may not be taken for credit after completion of MATH 4103 or equivalent.

MATH 5113 History of Mathematics
Prerequisite: MATH 2943. A study of selected topics from the history and nature of mathematics from ancient to modern times. Emphasis will be placed on the historical development of mathematics through a study of biographies of prominent mathematicians and the evolution of some important mathematical concepts. The fundamental role of mathematics in the rise, maintenance, and extension of modern civilization will be considered. May not be taken for credit after completion of MATH 4113 or equivalent.

MATH 5123 Number Theory
Prerequisite: MATH 3133. The standard topics in the theory of numbers, including divisibility, congruences, quadratic residues, and distribution of primes, continued fractions, and number theoretic functions.

MATH 5133 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. Math 5153 may not be taken for credit after completion of MATH 4153 or equivalent.

MATH 5273 Complex Variables
Prerequisite: MATH 2943. An introduction to complex variables. This course will emphasize the subject matter and skills needed for applications of complex variables in science, engineering, and mathematics. Topics will include complex numbers, analytic functions, elementary functions of a complex variable, mapping by elementary functions, integrals, series, residues and poles, and conformal mapping. May not be taken for credit after the completion of MATH 4273 or equivalent.

MATH 5283 Introductory Topology
Prerequisite: MATH 4253. Metric spaces, topological spaces, mappings, limit points, continuity, connectedness, and compactness. May not be taken for credit after completion of MATH 4293 or equivalent.

MATH 6023 Higher Order Thinking in Mathematics
Prerequisite: Permission of instructor. This course will provide mathematics teachers in grades five through college with examples of lessons incorporating methods appropriate for students with different learning styles. These lessons will emphasize the use of manipulatives, hands-on materials, cooperative learning techniques, and technology. Mathematical content will help teachers build mathematical connections and concepts across grade levels using concrete experiences and bridging to abstract understanding.

MATH 6123 Modern Geometry
Prerequisite: MATH 3123. A brief review of standard topics in Euclidean Geometry followed by a study of hyperbolic and elliptic geometries, projective geometry, and geometric topology.

MATH 6143 Number Theory
Prerequisite: MATH 3133. The standard topics in the theory of numbers, including divisibility, congruences, quadratic residues, and distribution of primes, continued fractions, and number theoretic functions.

MATH 6183 Introduction to Real Analysis
Prerequisite: MATH 4253. Study of real numbers, topology of the line and plane, sequences and series, and differentiation and integration.

MATH 6881-3 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.
MATH 6891-4 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.

MATH 6993 Thesis Research
Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Museum
MUSM(RP/ANTH) 5403 Interpretation/Education through Museum Methods
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
MUS 5803 History of American Music: Jazz and Folk
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 5881-3 Workshop in Music
Prerequisite: Permission of instructor. Course with variable credit designed to meet specific needs of participants. Each credit hour will require the equivalency of fifteen clock hours of instruction.

MUS 6891-4 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.

Philosophy
PHIL 5093 American Philosophy
An examination of the main currents of American philosophical and religious thought from the earliest times to the present.

PHIL 6013 Philosophical Systems
A study of the major systems of philosophy in the context of various philosophical theories considered from epistemological, metaphysical, logical, and ethical points of view.

PHIL 6891-4 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.

Physical Education
PE 6013 Principles of Physical Education
Prerequisites: PE 2523, PE 4103, and three 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
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
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
Prerequisites: PE 2653 and PE 3663, or approval by department head. Provides an understanding of psychological principles involved in motor performance.

PE 6053 Biomechanics
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 6073 Exercise and Sport Behavior
Prerequisites: 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
Prerequisites: 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 6881-3 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PE 6891-4 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.

PE 6993 Thesis Research
Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Physical Science
PHSC (BIOL) 5003 History and Philosophy of Science
A course in the historical development and philosophical basis of modern science. May not be taken for credit after completion of PHSC (BIOL) 4003 or equivalent.
PHSC 6023 Concepts of Mining and Minerals Technology
Topics to be covered include geology of the mineral producing regions, Arkansas minerals, aspects of mineral economics, mining techniques, operations and equipment, mineral processing and use of minerals, mining law, mining health and safety, mine land reclamation, and the needs for mineral research. $5 laboratory fee.

PHSC (BIOL) 6813 Science, Technology, and Human Values
Prerequisite: Bachelor's degree in one of the sciences. The course will consist of lecture, demonstrations, and laboratory exercises that can be done using equipment available in most area high schools. $5 laboratory fee.

PHSC 6881-3 Workshop
Prerequisite: EDFD 6003 or permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Physics

PHYS 6054 Concepts of Physics
Prerequisite: Eight hours of physics or consent of instructor. A study of mechanics, simple machines, heat, sound, wave motion, electricity, magnetism, light, and modern physics. Special emphasis will be placed on those aspects of lecture and laboratory most germane to the teaching of science in grades 7-12. The course will consist of lecture, laboratory demonstrations, and laboratory exercises that can be done using equipment available in most area high schools. $5 laboratory fee.

Political Science

POLS 5103 Environmental Politics
Prerequisite: POLS 2013 recommended. An examination of environmental issues from a policy perspective. Although scientific questions are involved, emphasis is on the political process of environmental issues. Topics discussed include the actors, their power, limits to their power, and their impact on the environmental policy process. May not be taken for credit after completion of POLS 4103 or equivalent.

POLS 5403 Current Issues in Global Politics
Prerequisites: POLS 2013, POLS 3413 recommended. Contemporary issues in global politics studied through participation in ICONS, an international intercollegiate computer simulation network. One country will be studied in depth as a vantage point from which to assess global affairs. May not be taken for credit after completion of POLS 4403 or equivalent.

POLS (HIST) 5981-3 Social Sciences Seminar
A directed seminar in an area of social sciences. The specific focus will depend upon research under way, community or student need, and the unique educational opportunity available. The course may be repeated for credit if course content changes.

POLS 6003 Seminar in Recent American National, State, and Local Government
An investigation of selected governmental trends and problems in the contemporary United States with analysis of their social and economic ramifications.

POLS 6403 Seminar in Contemporary Foreign Policy and International Politics
Selected topics on the principles of international politics and/or the contemporary foreign policies of various major powers in Europe, Asia, Africa, and the Americas.

POLS 6891-4 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.

Psychology

PSY 6013 Psychology of Grief and Loss
Bereavement, grief and mourning as found in the current literature will be explored in depth utilizing a seminar approach. These concepts will also be applied to the study of loss in other areas.

PSY 6043 Brain, Mind, and Behavior
Designed for students with a limited background in biology and psychology. This course first examines the basic structure and function of the human brain. The mechanisms by which brain processes result in normal behavior and experience; how these processes change with development and aging; and how they participate in various neuropsychiatric disorders will be explored.

PSY 6053 Genetics, Evolution, and Society
Designed for students with a limited background in biology and behavioral sciences. Genetic and environmental contributions to various dimensions of personal functioning and social problems will be examined. These will include such areas as cognitive ability, personality, psycho pathology, crime and drug abuse.

Recreation and Park Administration

RP (MUSM/ANTH) 5403 Interpretation/Education through Museum Methods
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.

Rehabilitation Science

RS 6163 Substance Abuse
An in-depth study of the theoretical explanations for addiction will be carried out using the seminar approach. These theories will also be examined for implications for intervention in rehabilitation and prevention settings.
RS 6891, 2, & 4 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.

SEED 6991 Thesis Research
Directed research on a thesis topic. If the six-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
Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Secondary Education

SEED 5013 Teaching in the Middle School
Methods and procedures in teaching in the middle school. Includes individualization of instruction and interdisciplinary teaching for middle school students. May not be taken for credit after completion of SEED 4013.

SEED 5063 Educators in Industry
A course devoted to career awareness in relation to the modern workplace. It is conducted in cooperation with local businesses and industries. The course involves research, on-site instruction, and work experience.

SEED/ELED 5333 Teaching Reading and Study Strategies in the Content Area
This course is designed to provide pre-service and in-service teachers and administrators with a knowledge of reading factors as they relate to various disciplines. Content of the course includes estimating students' reading ability, techniques for vocabulary, questioning strategies, and developing reading-related study skills.

SEED 6881-3 Workshop
Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SEED 6891-4 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.

SEED 5063 Organizational Communication
Theories and practices of organizational communication are examined from a critical and historical perspective. Issues related to the personal, relational, cultural, group, business, global, and ethical dimensions of everyday communication practices are analyzed. Includes lecture, discussion, research, and group projects. May not be taken for credit after the completion of SPH 4063.

SPH 5073 Directing Forensics
Prerequisites: Oral Interpretation, Argumentation, Public Speaking and/or consent of the instructor. Practical study and training to lead to the planning of activities, directing competitive events, and administration of a forensic program on the high school level. May not be taken for credit after completion of SPH 4073 or equivalent.

SPH 5123 Rhetorical Criticism
This course will provide the principles of rhetorical theories as they have developed throughout history and apply them to the critical analysis of various communication events. May not be taken for credit after the completion of SPH 4123.

SPH 5153 Persuasive Theory & Audience Analysis
Survey of classical and social science theories of persuasion. Particular emphasis is given to analysis of persuasive strategies, preparation of persuasive appeals, ethics of persuasion, and audience analysis. A consideration of social movements and persuasive campaigns is also included.

SPH 6891-4 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.

Teaching English to Speakers of Other Languages
TESL 5023 Tesol Second Language Acquisition
This course provides an introduction to the major theories of language acquisition and their applications to the instruction of ESL students. (Required for the ESL Endorsement in Arkansas)
This course is an introduction to the methodology in teaching listening, speaking, reading and writing English, as well as core content, to ESL students. (Required for the ESL Endorsement in Arkansas)

TESL 5713 TESOL Assessment
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. (Required for the ESL Endorsement in Arkansas)

TESL 5723 TESOL Teaching People of Other Cultures
This course provides an introduction to issues in language and culture, including sociolinguistic variations due to age, sex, social class, ethnicity. (Required for the ESL Endorsement in Arkansas)

TESL 6003 Linguistics
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
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. Examination 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
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 TESOL Methods: Oral Communications
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 6043 TESOL Methods: Written Communication
Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Examination of content and methodology in teaching reading, writing, and grammar to diverse groups of ESL students.

TESL 6053 TESOL Assessment Strategies
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 6066 Public School Experience
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
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
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.

Teaching, Learning and Leadership

MTLL 6003 School Organization and Leadership for Teacher Leaders
This course will examine how schools are organized and supported from the federal level to the local school. The concepts of leadership and its role at all levels will be a focal point of this study. Students will begin to examine their leadership style and dispositions.

MTLL 6113 Action Research and Data Analysis for School and Classroom Use
This course will focus on the analysis of data with emphasis on student achievement and whole school accountability. Data driven decision-making will be examined. Students will look at research methodologies with a focus on action research and the role of the leader in facilitating action research in the field.

MTLL 6123 Instructional Leadership for the Master Teacher
This course will focus on the “hard and soft” skills of instructional leadership. The teaching and learning process will be the focus of student work. Students will learn how to observe and coach for excellence in teaching and learning. The reflective practice model will serve as a basis for theory and skill development.

MTLL 6133 Basic Elements of Curriculum
This course will focus on national, state, and local curriculum standards. Students will gain an understanding of the alignment issues of curriculum, instruction, and assessment as they prepare a curriculum artifact based on the principles of curriculum.

MTLL 6143 Organizational Change and the Role of the Master Teacher
This course will examine theories of change looking at research and case studies of first and second order change. Students will gain strategies as leaders of change as schools work to move closer to higher performance. Students will study a current change taking place in a school.

MTLL 6152 Professional Portfolio for the Master Teacher
This course will examine the role of the student portfolio and the teaching portfolio. The main focus will be the professional portfolio for the candidate’s completion of their degree program.
MTLL 6202 Professionalization of Teaching for the Master Teacher
This course will examine the philosophies and historical perspectives of education for the purpose of reflection on individual teaching and learning practices. Students will purposefully explore and define who they are as a master teacher and what core beliefs impact teaching and learning in their classroom.

MTLL 6223 Teaching and Learning for the Master Teacher
This course will explore theories and best practices that can lead to improved student performance.

MTLL 6242 Cognitive Coaching and Mentoring for the Master Teacher
Students will develop the necessary skills that will enable the master teacher to be a peer learning coach and mentor for the inductee, peer, and/or marginal teacher.

MTLL 6253 Advanced Curriculum Design Practicum for the Master Teacher
This course will focus on advanced methods of curriculum design. The role of the teacher leader in the curriculum development process will be explored and acquisition of the skills necessary to facilitate, implement, assess, and sustain the process will be learned.

MTLL 6262 Action Research Practicum for the Master Teacher
This course will focus on the implementation of the student action research design, developed in the initial research course, Action Research and Data Analysis for School and Classroom Use. Analysis of field data from this research will be aggregated with emphasis on student achievement. Effective communication of the research results to various audiences will also be explored.

MTLL 6271 Resource Acquisition for the Master Teacher
This course will provide the opportunity for students to discuss, explore, and acquire skills that will supplement means to augment classroom resources in addition to the allocated budget.

Theatre

TH 5283 Children's Theatre: Techniques and Practicum
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. May not be taken for credit after completion of SPH 4283 or equivalent.

TH 5313 Theatre History III -- 1900 to 1960
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. May not be taken for credit after completion of TH 4313 or equivalent.

TH 5323 Theatre History IV -- 1960 to the Present
A study of European and American theatre during the last four decades of the twentieth century, including movements such as postmodernism, political/didactic theatre, feminist theatre, neorealism, new comedy, and collective creation, and playwrights such as Mamet, Wilson, Stoppard, Shepard, Churchill, Henley, Simon, Rabe, Havel, and Fugard. May not be taken for credit after completion of TH 4323 or equivalent.

TH 5503 Scene Design
Prerequisite: TH 3513 or permission of instructor. A study of the elements of design for the stage, from conception to finished production models, focusing on line, form, mass, and color. May not be taken for credit after completion of TH 4503 or equivalent.

TH 5506 High School Play Production
This course will provide basic information in lighting, sound design, set design and construction, make-up, costume design and construction, stage management, directing, and improvisational techniques. This course is aimed at certified teachers who are returning to school for additional training and is designed to meet area needs. May not be taken for credit after completion of TH 4506 or equivalent.

TH 5983 Theatre Seminar
Prerequisite: Twelve hours in theatre or consent of instructor. A directed seminar dealing with a selected topic in theatre studies. May be repeated for credit for different topics.

TH 6891-4 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.

Vocational Business Education

VOBE 5023 Methods of Teaching Vocational Business
A methods course designed to prepare the beginning business educator for effective teaching in the contemporary vocational education classroom. Teaching methodologies for the business education occupational clusters are presented and practiced.

VOBE 5053 Technology Methods for Business Education
A course in technology education focusing on methods and hands-on activities utilized in secondary Business Education programs with emphasis on hardware, software, and program development. May not be repeated for credit as VOBE 4053 or equivalent.

VOBE 5063 Educators in Industry
A course devoted to career awareness in relation to the modern workplace. It is conducted in cooperation with local businesses and industries. The course involves research, on-site instruction, and work experience.

VOBE 5093 Directed Vocational Work Experience
Admission by consent of instructor and advisor's recommendation. A course for business teachers or business education students who desire or need practical, on-the-job experience in areas related to the vocational business education curriculum; designed to provide practical experience in a structured, supervised setting. May not be taken for credit after completion of VOBE 4093 or equivalent.
VOBE 6881-3 Technology Workshop
A course for business teachers who desire to upgrade office technology skills. Emphasis will be on methods of teaching and developing instructional materials. Hands-on computer applications will comprise a major portion of the course. Areas covered include microcomputer applications, business data processing, word processing, computerized accounting, and records management. Specific areas will be emphasized as new technology is available.

Wellness Science

WS 6013 Wellness Concepts and Applications
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.

WS 6023 Wellness and Fitness Program Management
The course provides the advanced student the opportunity to explore the management of wellness and fitness programs in society. Emphasis will be placed on the development of skills which enable wellness and fitness programs to be successful.
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