

University of Arkansas

# 2003-2004 Graduate School Catalog

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# 2003 Academic Calendar

## SUMMER SESSION I 2003 (29 CLASS DAYS)

May 12 - 20	Open Registration
May 19	Classes begin
May 20	Last day to register, add a course, or change from audit to credit
May 22	Last day to drop without a mark of "W" or change from credit to audit
May 26	Memorial Day Holiday
June 16	Last day to drop a Session I class
June 27	Last day to officially withdraw from Session I
June 27	Last day of classes for Session I

## SUMMER SESSION II 2003 (29 CLASS DAYS)

May 12 - July 1	Open Registration
June 30	Classes begin
July 1	Last day to register, add a course, or change from audit to credit
July 4	Independence Day Holiday
July 3	Last day to drop without a mark of "W" or change from credit to audit
July 28	Last day to drop a Session II class
August 8	Last day to officially withdraw from Session II
August 8	Last day of classes for Session II

## SUMMER SESSION III 2003 (58 CLASS DAYS)

May 12 - 22	Open Registration
May 19	Classes begin
May 22	Last day to register, add a course, or change from audit to credit
May 26	Memorial Day Holiday
May 29	Last day to drop without a mark of "W" or change from credit to audit
July 4	Independence Day Holiday
July 15	Last day to drop a Session III class
August 8	Last day to officially withdraw from Session III
August 8	Last day of classes for Session III

## SUMMER SESSION IV 2003 (49 CLASS DAYS)

May 12 - June 4	Open Registration
June 2	Classes begin
June 4	Last day to register, add a course, or change from audit to credit
June 10	Last day to drop without a mark of "W" or change from credit to audit
July 4	Independence Day Holiday
July 17	Last day to drop a Session IV class
August 8	Last day to officially withdraw from Session IV
August 8	Last day of classes for Session IV

## SUMMER SESSION V 2003 (24 CLASS DAYS)

May 12 - June 3	Open Registration
June 2	Classes begin
June 3	Last day to register, add a course, or change from audit to credit
June 4	Last day to drop without a mark of "W" or change from credit to audit
June 24	Last day to drop a Session V class
July 3	Last day to officially withdraw from Session V
July 3	Last day of classes for Session V
July 4	Independence Day Holiday

## SUMMER SESSION VI 2003 (25 CLASS DAYS)

May 12 - July 8	Open Registration
July 7	Classes begin
July 8	Last day to register, add a course, or change from audit to credit
July 9	Last day to drop without a mark of "W" or change from credit to audit
July 29	Last day to drop a Session VI class
August 8	Last day to officially withdraw from Session VI
August 8	Last day of classes for Session VI

## FALL 2003 (73 CLASS DAYS; 43 MWF, 30TT)

April 14 - Aug 13	Open Registration for currently enrolled students
August 20 - 29	Open Registration for all students
August 25	Classes begin
August 29	Last day to register, add a course, or change from audit to credit
September 1	Labor Day Holiday
September 8	Last day to drop without a mark of "W" or change from credit to audit
October 31	Last day to drop a fall semester class
November, Early	Priority Registration for Spring 2004 — dates not available at publication time
November 26	Fall Break (administrative offices will be open.)
November 27 - 28	Thanksgiving Holiday
December 9	Last day to officially withdraw from fall classes
December 9	Last day of classes for fall semester
December 10	Dead Day
December 11 - 17	Final Exams

The University's official five-year academic calendar is located on the World Wide Web at <http://www.uark.edu/classes/CalCover.html>.

# 2004 Academic Calendar

## SPRING 2004 (73 CLASS DAYS; 43MWF, 30TT)

January 7 - 16	Open Registration
January 12	Classes begin
January 16	Last day to register, add a course, or change from audit to credit
January 19	Martin Luther King Holiday
January 26	Last day to drop without a mark of "W" or change from credit to audit
March 15 - 19	Spring Break Week
March 26	Last day to drop a spring semester class
April 29	Last day to officially withdraw from all classes
April 29	Last day of classes
April 30	Dead Day
May 1 - 7	Final exams
May 8	All-University Commencement
May 15	Law School Commencement

## SUMMER SESSION I 2004 (29 CLASS DAYS)

May 17	Classes begin
May 31	Memorial Day Holiday
June 25	Last day of classes

## SUMMER SESSION II 2004 (29 CLASS DAYS)

June 28	Classes begin
July 5	Independence Day Holiday
August 6	Last day of classes

## SUMMER SESSION III 2004 (58 CLASS DAYS)

May 17	Classes begin
May 31	Memorial Day Holiday
July 5	Independence Day Holiday
August 6	Last day of classes

## SUMMER SESSION IV 2004 (49 CLASS DAYS)

June 1	Classes begin
July 5	Independence Day Holiday
August 6	Last day of classes

## SUMMER SESSION V 2004 (24 CLASS DAYS)

June 1	Classes begin
July 2	Last day of classes
July 5	Independence Day Holiday

## SUMMER SESSION VI 2004 (25 CLASS DAYS)

July 6	Classes begin
August 6	Last day of classes

## FALL 2004 (73 CLASS DAYS; 43 MWF, 30 TT)

August 26	Classes begin
September 6	Labor Day Holiday
November 24	Fall Break (administrative offices will be open.)
November 25 - 26	Thanksgiving Holiday
December 7	Last day of classes
December 8	Dead Day
December 9 - 15	Final exams

MAY 2003							JANUARY 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3					1	2	3
4	5	6	7	8	9	10	4	5	6	7	8	9	10
11	12	13	14	15	16	17	11	12	13	14	15	16	17
18	19	20	21	22	23	24	18	19	20	21	22	23	24
25	26	27	28	29	30	31	25	26	27	28	29	30	31
JUNE 2003							FEBRUARY 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						29						
JULY 2003							MARCH 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3					1	2	3
4	5	6	7	8	9	10	4	5	6	7	8	9	10
11	12	13	14	15	16	17	11	12	13	14	15	16	17
18	19	20	21	22	23	24	18	19	20	21	22	23	24
25	26	27	28	29	30	31	25	26	27	28	29	30	31
AUGUST 2003							APRIL 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2					1	2	3
3	4	5	6	7	8	9	4	5	6	7	8	9	10
10	11	12	13	14	15	16	11	12	13	14	15	16	17
17	18	19	20	21	22	23	18	19	20	21	22	23	24
24	25	26	27	28	29	30	25	26	27	28	29	30	
31													
SEPTEMBER 2003							MAY 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2
7	8	9	10	11	12	13	2	3	4	5	6	7	8
14	15	16	17	18	19	20	9	10	11	12	13	14	15
21	22	23	24	25	26	27	16	17	18	19	20	21	22
28	29	30					23	24	25	26	27	28	29
							30	31					
OCTOBER 2003							JUNE 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3					1	2	3
4	5	6	7	8	9	10	4	5	6	7	8	9	10
11	12	13	14	15	16	17	11	12	13	14	15	16	17
18	19	20	21	22	23	24	18	19	20	21	22	23	24
25	26	27	28	29	30	31	25	26	27	28	29	30	31
NOVEMBER 2003							JULY 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1						1	2
2	3	4	5	6	7	8	3	4	5	6	7	8	9
9	10	11	12	13	14	15	10	11	12	13	14	15	16
16	17	18	19	20	21	22	17	18	19	20	21	22	23
23	24	25	26	27	28	29	24	25	26	27	28	29	30
30							31						
DECEMBER 2003							AUGUST 2004						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30

# UNIVERSITY OF ARKANSAS

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Little Rock  
Term Expires 2004



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Pine Bluff  
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Monticello  
Term Expires 2013

# Administrative Officers

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## SYSTEM ADMINISTRATION

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Vice Chancellor for University Advancement	G. David Gearhart, B.A., J.D., Ed.D.
Vice Provost for Research	Collis R. Geren, B.S., M.S., Ph.D.

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School of Architecture	Graham F. Shannon, B.A., B.Arch., M.Arch
J. William Fulbright College of Arts and Sciences	Donald R. Bobbitt, B.S., Ph.D.
Sam M. Walton College of Business	Doyle Z. Williams, B.B.A., M.S., Ph.D.
Division of Continuing Education	Donnie Dutton, B.S., M.E., Ph.D.
College of Education and Health Professions	M. Reed Greenwood, B.S.E., M.Ed., Ed.D.
College of Engineering	Ashok Saxena, B. Tech., M.S., Ph.D.
School of Law	Richard B. Atkinson, B.A., M.Div., J.D.
Graduate School	Collis R. Geren, B.S., M.S., Ph.D.
University Libraries	Carolyn Henderson Allen, B.S., M.S.

# University of Arkansas Graduate Council

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**Collis R. Geren**, Ph.D., Vice Provost for Research and Dean of the Graduate School; Professor of Chemistry and Biochemistry

**Patricia R. Koski**, Ph.D., Associate Dean of the Graduate School; Associate Professor of Sociology and Criminal Justice; Chair (Ex-officio)

**Charles Adams**, Ph.D., Associate Dean of Fulbright College of Arts and Sciences; Associate Professor of English; (Ex-officio)

**Carolyn Callahan**, Ph.D., Professor and Doris Cook Chair in Accounting

**William P. Curington**, Ph.D., Associate Dean of Sam M. Walton College of Business; Professor of Economics; (Ex-officio)

**Bruce Dixon**, Ph.D., Professor of Agricultural Economics and Agribusiness

**Donna Graham**, Ph.D., Associate Dean of Dale Bumpers College of Agricultural, Food and Life Sciences;

Professor of Agricultural & Extension Education; (Ex-officio)

**Linda C. Jones**, Ph.D., Assistant Professor of Foreign Languages

**Stephen J. Langsner**, Re.D., Associate Professor of Health Science, Kinesiology, Recreation and Dance

**Betsy Orr**, Ph.D., Associate Dean of College of Education and Health Professions; Associate Professor of Rehabilitation, Human Resources and Communication Disorders; (Ex-officio)

**Gary W. Ritter**, Ph.D., Assistant Professor of Educational Leadership, Counseling and Foundations

**Luis F. Restrepo**, Ph.D., Associate Professor of Foreign Languages

**H. Thomas Rosteck**, Ph.D., Associate Professor, Communication

**R. Panneer Selvam**, Ph.D., Professor of Civil Engineering

**John J. Schemmel**, Ph.D., Associate Dean of College of Engineering; Professor of Civil Engineering

**Robert Stassen**, Ph.D., Associate Professor of Marketing and Logistics

**David O. TeBeest**, Ph.D., University Professor of Plant Pathology

**Juana A. Young**, M.L.S., Associate Director of Libraries (Ex-officio)

# Table of Graduate Degree Programs and Degrees

Degree Programs	Department	Degree	Test Required for Admission			Letter of Recommend.	Dept. Appl. & Admission Requirements	Dissertation or Thesis Required	For. Lang. Required for Graduation
			GRE	MAT	GMAT				
Accounting <sup>1</sup>	ACCT	M.Acc.	N	N	Y	3B	B	N	N
Adult Education <sup>2,3</sup>	RHRC	M.Ed.	N	N	N	N	Y	N	N
Agricultural & Extension Education	AEED	M.S.	Y	or Y	N	Y	N	Opt	N
Agricultural Economics	AEAB	M.S.	Opt	Opt	Opt	3	N	Opt	N
Agricultural Education	AGED	M.A.T.	N	N	N	N	Y	N	N
Agronomy	CSES	M.S.	N	N	N	3	N	Opt	N
		Ph.D.	N	N	N	3	N	Y	N
Animal Science	ANSC	M.S.	N	N	N	3	N	Y	N
		Ph.D.	Y	N	N	3	N	Y	N
Anthropology	ANTH	M.A.	Y	N	N	3	B	Opt	N
		Ph.D.	Y	N	N	3B	Y	Y	Y
Applied Physics	PHYS	M.S.	N	N	N	3	B	Opt	N
Art	ARTS	M.F.A.	N	N	N	3	B + slides	Y	N
Biological Engineering <sup>4</sup>	BENG	M.S.B.E.	Y	N	N	A	N	Y	Opt
Biology	BISC	M.A.	G,S	N	N	3	Y	Y	N
		M.S.	G,S	N	N	3	Y	Y	N
		Ph.D.	G,S	N	N	3	Y	Y	N
Business Administration <sup>1</sup>	BADM	M.B.A.	N	N	Y	3B	B	N	N
		Ph.D.	N	N	Y	3B	B	Y	N
Cell and Molecular Biology	INTD	M.S.	Y	N	N	Y	Y	Y	N
		Ph.D.	Y	N	N	Y	Y	Y	N
Chemical Engineering <sup>4</sup>	CHEG	M.S.Ch.E.	G,	N	N	Opt	N	Y	N
Chemistry	CHBC	M.S.	Opt	N	N	3	N	Opt	N
		Ph.D.	Opt	N	N	3	N	Y	N
Childhood Education	CIED	M.A.T.	N	N	N	N	Y	N	N
Civil Engineering <sup>4</sup>	CVEG	M.S.C.E.	Y	N	N	3	N	Opt	N
Communication	COMM	M.A.	Y	N	N	3	Writing Sample + Stmt of Goals	Opt	N
Communication Disorders	RHRC	M.S.	Y	N	N	3B	Y	N	N
Comparative Literature	INTD	M.A.	Y	N	N	3	B	Opt	N
		Ph.D.	Y	N	N	3	B	Y	Y
Computer Science	CSCE	M.S.	Y	N	N	N	N	Opt	N
		Ph.D.	Y	N	N	N	N	Y	N
Computer Engineering <sup>4</sup>	CSCE	M.S.C.S.E.	Y	N	N	N	Y	Opt	N
Counseling	ELCF	M.S.	Y	Y	N	3B	Y	Opt	N
Counselor Education <sup>2</sup>	ELCF	Ph.D.	Y	N	N	3B	Y	Y	N
Creative Writing	ENGL	M.F.A.	Y	N	N	3	Writing Sample + B	Y	N
Curriculum & Instruction	CIED	Ph.D.	Y	N	N	3	Y	Y	N
Drama	DRAM	M.F.A.	Y	N	N	3	Y	Y	N
Economics <sup>1</sup>	ECON	M.A.	Y	N	N	3B	B	Opt	N
		Ph.D.	Y	N	N	3B	B	Y	N
Education	EDUC	M.Ed.	N	N	N	Y	Y	N	N
Adult Education	RHRC	Ed.S.	Y	Y	N	3B	Y	N	N
		Ed.D.	Y	N	3B	Y	Y	N	N
Counselor Education	ELCF	Ed.S.	Y	Y	N	3B	Y	N	N
Educational Administration	ELCF	Ed.S.	Y	Y	N	3B	Y	N	N
		Ed.D.	Y	N	3B	Y	Y	N	N
Elementary Education	CIED	Ed.S.	Y	or Y	N	N	3B	Y	N N
Higher Education	ELCF	Ed.S.	Y	Y	N	3B	Y	N	N
		Ed.D.	Y	N	3B	Y	Y	N	N
Recreation	HKRD	Ed.D.	Y	Y	N	3B	B	Y	N
Secondary Education	CIED	Ed.S.	Y	N	N	3B	Y	N	N
Vocational Education	RHRC	Ed.S.	Y	Y	N	3B	B	N	N
		Ed.D.	Y	N	3B	B	Y	N	N
Educational Administration <sup>2,3</sup>	ELCF	M.Ed.	N	N	N	N	N	Opt	N
Educational Foundations	ELCF	M.S.	Y	N	N	3B	Y	Y	N
Educational Technology	ELCF	M.Ed.	N	N	N	N	N	Opt	N
Electrical Engineering <sup>4</sup>	ELEG	M.S.E.E.	Y	N	N	3	N	Opt	N

Degree Programs	Department	Degree	Test Required for Admission			Letter of Recommend.	Dept. Appl. & Admission Requirements	Dissertation or Thesis Required	For. Lang. Required for Graduation
			GRE	MAT	GMAT				
Elementary Education <sup>2</sup>	CIED	M.Ed.	N	Y	N	N	Y	Opt.	N
Engineering	ENGR	M.S.E.	Opt	Opt	N	N	B	N	N
Biological Engineering	BENG	Ph.D.	N	N	N	A	N	Y	Opt
Chemical Engineering	CHEG	Ph.D.	G	N	N	Opt	Y	Y	Opt
Civil Engineering	CVEG	Ph.D.	Y	N	N	3	N	Y	N
Computer Systems Engineering	CSEG	Ph.D.	Y	N	N	N	Y	Y	Opt
Electrical Engineering	ELEG	Ph.D.	Y	N	N	3	N	Y	Opt
Industrial Engineering	INEG	Ph.D.	Y	N	N	3	N	Y	N
Mechanical Engineering	MEEG	Ph.D.	G, A	N	N	Y	N	Y	N
English	ENGL	M.A.	G	N	N	3	B	N	Y
		Ph.D.	G,S	N	N	3	B	Y	Y
Entomology	ENTO	M.S.	Y	N	N	3	N	Y	N
		Ph.D.	Y	N	N	3	N	Y	Opt
Environmental Dynamics	INTD	Ph.D.	Y	N	N	3	N	Y	N
Environmental Engineering	CVEG	M.S.En.E.	Y	N	N	3	N	Opt.	N
Food Science	FDSC	M.S.	N	N	N	2	N	Y	N
		Ph.D.	N	N	N	2	Stmnt of Goals	Y	N
French	FLAN	M.A.	N	N	N	N	N	N	N
General Agriculture	AFLS	M.S.	Opt	Opt	N	N	N	N	N
Geography	GEOS	M.A.	N	N	N	3	Y	Y	N
Geology	GEOS	M.S.	N	N	N	3	N	Y	N
German	FLAN	M.A.	N	N	N	N	N	N	N
Health Science	HKRD	M.S.	Opt	Opt	N	N	N	Opt	N
		Ph.D.	Y	N	N	3	Y	Y	N
Higher Education <sup>2,3</sup>	ELCF	M.Ed.	N	N	N	3B	Y	Opt	N
History	HIST	M.A.	Y	N	N	N	N	Opt	N
		Ph.D.	Y	N	N	3	B	Y	Y
Horticulture	HORT	M.S.	Opt	N	N	3	N	Y	N
Human Environmental Sciences	HESC	M.S.	N	N	N	3	N	Opt	N
Industrial Engineering <sup>4</sup>	INEG	M.S.I.E.	Y	N	N	3	N	Opt	N
Information Systems <sup>1</sup>	CISQ	M.I.S.	N	N	Y	3B	B	N	N
Journalism	JOUR	M.A.	G	N	N	3	N	Y	N
Kinesiology	HKRD	M.S.	N	N	N	N	N	Opt	N
		Ph.D.	Y	N	N	3	Y	Y	N
Mathematics	MASC	M.S.	N	N	N	N	N	Opt	N
		Ph.D.	N	N	N	N	N	Y	Y
Mechanical Engineering <sup>4</sup>	MEEG	M.S.M.E.	G, A	N	N	Y	N	Opt	N
Microelectronics-Photonics	INTD	M.S.	P	N	N	3	B	P	N
		Ph.D.	P	N	N	3	B	Y	OPT
Middle-Level Education	CIED	M.A.T.	N	N	N	N	Y	N	N
Music		MUSC	M.M.	N	N	N	Opt	Dept Plcmt Tst	Opt
Operations Management	INEG	M.S.	N	N	N	N	N	N	N
Operations Research	INEG	M.S.O.R.	Y	N	N	3	N	Opt	N
Philosophy	PHIL	M.A.	N	N	N	3	Y	Y	N
		Ph.D.	N	N	N	3	Y	Y	Y
Physical Education	HKRD	M.A.T.	N	N	N	N	Y	N	N
		M.Ed.	Opt	Opt	N	N	N	Opt	N
Physics	PHYS	M.A.	N	N	N	3	B	N	N
		M.S.	N	N	N	3	B	Y	N
		Ph.D.	N	N	N	3	B	Y	N
Plant Pathology	PLPA	M.S.	N	N	N	3	Y	Y	N
Plant Science	INTD	Ph.D.	Y	N	N	3	Y	Y	N
Political Science	PLSC	M.A.	Y	N	N	3	Writing Sample	Opt	N
Poultry Science	POSC	M.S.	Y	N	N	3	N	Y	N
		Ph.D.	Y	N	N	3	N	Y	N
Psychology	PSYC	M.A.	Y	N	N	3B	Y	Y	N
		Ph.D.	Y	N	N	3B	Y	Y	N
Public Administration	PLSC	M.P.A.	Y	N	N	3	Writing Sample	N	N
Public Policy	INTD	Ph.D.	N	N	N	3	Y	Y	N
Recreation <sup>3</sup>	HKRD	M.Ed.	Opt	Opt	N	N	N	Opt	N
Rehabilitation	RHRC	M.S.	N	N	N	3	Y	Opt	N
		Ph.D.	Y	N	N	3	Y	Y	N
Secondary Education <sup>2</sup>	CIED	M.A.T.	N	N	N	3	Y	N	N
		M.Ed.	N	Y	N	N	Y	Opt	N
Secondary Mathematics	MASC	M.A.	N	N	N	N	N	Opt	N
Sociology	SOCI	M.A.	N	N	N	N	Y	Opt	N
Spanish	FLAN	M.A.	N	N	N	N	N	N	N
Special Education	CIED	M.Ed.	N	N	N	N	Y	N	N
Statistics	MASC	M.S.	N	N	N	N	N	N	N
Telecommunications Engineering	ELEG	M.S.	Y	N	N	3	N	Opt	N
Translation	INTD	M.F.A.	Y	N	N	3	B	Y	Y
Transportation & Logistics Mgmt. <sup>1</sup>	MKTL	M.T.L.M.	N	N	Y	3B	B	N	N
Transportation Engineering	CVEG	M.S.T.E.	Y	N	N	3	N	Opt.	N
Vocational Education <sup>2,3</sup>	RHRC	M.A.T.	N	N	N	N	Y	N	N
		M.Ed.	N	N	N	N	Y	N	N

1. Non-departmental students must obtain permission from department to register for courses in these fields. 2. An undifferentiated Educational Specialist degree in Education is available in this area of study. See Education. 3. An undifferentiated Doctor of Education degree in Education is available in this area of study. See Education. 4. An undifferentiated Doctor of Philosophy degree in Engineering is available in this area of study. See Engineering. **INTD** - Interdisciplinary, **Y**-Yes; **N**-No; **P**-Preferred; **Opt**-Optional; **A**-international applicants only; **B**-forms obtained from and returned to department; **G**-general test; **S**-subject area test.

# Summary of Procedures

It is a student's responsibility to ascertain that requirements have been met and deadlines observed. Degree programs may establish additional requirements.

## Procedures for Master's and Specialist Degrees

PROCEDURE	RESPONSIBLE PARTY	ACTION DATE
Formation of program advisory committee and submission of Program Advisory Committee form <sup>1</sup>	Major Adviser/ Department Chair/Head	Immediately following admission to degree program
Changes in program advisory committee by memorandum	Major Adviser/Member Leaving Committee	As soon as change occurs
Request transfer of credit by submitting Request for Transfer of Graduate Credit form <sup>1</sup> (master's degrees only)	Major Adviser	Before Graduation
Graduation Application Card <sup>1</sup>	Student	By end of semester in which the degree is to be awarded
Inclusion of name for commencement exercises, regalia, and announcement orders	Student	Deadlines indicated in "Instructions to Graduates"
Removal of incompletes (Change of Grade form)	Student/Instructor	When course requirements have been met
To avoid an incomplete becoming "F"	Student/Instructor	Change of grade form must be submitted twelve weeks into the next major semester of enrollment
Final comprehensive examination (Certified by submission of Record of Progress form <sup>1</sup> with original signatures)	Advisory Committee	Must be completed by graduation

## Additional Requirements for the Thesis Option

Selection of thesis title and formation of thesis committee and submission of Master's Thesis Title and Thesis Committee form <sup>1</sup>	Thesis Director	At least three months prior to the date of the defense
Obtain Guide for Preparing Theses and Dissertations from Union Bookstore or from the Web	Student	Before first draft of thesis is typed
Defense of thesis	Thesis Committee	At least one week before graduation <sup>2</sup>
Registration for at least six hours of thesis	Student	Before graduation
Submission of preliminary copies to each thesis committee member	Student	At least three weeks before graduation
Preliminary editorial check of thesis	Student	Before final copies of thesis are made
Final copies of thesis to Graduate School and to Mullins Library	Student submits to Graduate School; Graduate School submits to Library	Specific deadline. One week before graduation <sup>2</sup>

<sup>1</sup> Forms are available in the Graduate School or on the Web at <[www.uark.edu/grad](http://www.uark.edu/grad)>.

<sup>2</sup> Specific deadlines are available in the Graduate School.

## Procedures for Doctoral Degrees

PROCEDURE	RESPONSIBLE PARTY	ACTION DATE
Submission of Declaration of Intent form <sup>1</sup>	Department Chair/Head	Before any requirements can be satisfied
Formation of program advisory committee and submission of Doctoral Program Advisory Committee form <sup>1</sup>	Major Adviser/ Department Chair/Head	Immediately following admission to degree program
Changes in program advisory committee by memorandum	Major Adviser/Member Leaving Committee	As soon as change occurs
Foreign Language Requirement (if required)	Advisory Committee	Determined by committee
Satisfaction of residence: Ph.D., enrollment in two consecutive semesters as a full-time student; Ed.D., enrollment as indicated on an approved Residence Plan form <sup>1</sup>	Student/Adviser	Before graduation
Admission to candidacy	Advisory Committee	At least one year before completing all other degree requirements
Enrollment in at least one hour of dissertation following passing of candidacy exams	Student	Each semester (including summer) until graduation
Selection of dissertation title & formation of dissertation committee and submission of Doctoral Dissertation Title and Dissertation Committee form <sup>1</sup>	Dissertation Director	At least three months prior to the date of the defense
Registration for at least 18 hours of dissertation	Student	Before graduation
Graduation Application Card <sup>1</sup>	Student	By end of semester in which the degree is to be awarded
Inclusion of name for commencement exercises, regalia, and announcement orders	Student	Deadlines indicated in "Instructions to Graduates"
Removal of incompletes (Change of Grade form)	Student/Instructor	When course requirements have been met
To avoid an incomplete becoming "F"	Student/Instructor	Change of grade form must be submitted twelve weeks in the next major semester of enrollment
Obtain Guide for Preparing Theses and Dissertations from Union Bookstore or from the Web	Student	Before first draft of dissertation is typed
Submission of Announcement of Defense by memorandum	Dissertation Director	At least two weeks prior to defense
Defense of dissertation (Certified by submission of Record of Progress with original signatures <sup>1</sup> )	Dissertation Committee	At least one week before graduation <sup>2</sup>
Submission of preliminary copies to each dissertation committee member	Student	At least three weeks before graduation
Preliminary editorial check of dissertation	Student	Before final copies of dissertation are made
Final copies of dissertation to Graduate School and to Mullins Library	Student submits to Graduate School; Graduate School submits to Library.	At least one week before graduation <sup>2</sup>

<sup>1</sup> Forms are available in the Graduate School or on the Web at <[www.uark.edu/grad](http://www.uark.edu/grad)>.

<sup>2</sup> Specific deadlines are available in the Graduate School.

# A Message from the Chancellor

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I invite you to share in our vision for the University of Arkansas as we work to emerge as a nationally competitive, student-centered research university serving Arkansas and the world. It's a vision that comes closer to realization with each passing year, thanks to an enormously talented faculty, bright and hard-working students, a dedicated staff, and a network of enthusiastic alumni and devoted friends across the state, nation and world. It's a vision that's contingent upon making rapid progress toward five institutional goals:

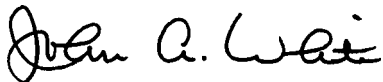
- Strengthening academic quality and reputation by enhancing and developing programs of excellence in teaching, research and outreach;
- Increasing the size and quality of our student body;
- Enhancing diversity among our faculty, students, and staff;
- Increasing public financial support, particularly that provided by the state and federal government;
- Increasing private gift support from alumni, friends, corporations, foundations and other organizations.

To be sure, the University of Arkansas already is one of the nation's great public research universities. It has a proud legacy of internationally significant scientific and intellectual achievements in many academic fields. It also enjoys a reputation of being a great teaching university and has produced over 120,567 graduates over its 132-year history who have provided leadership in their professions. In addition, the University creatively harnesses its intellectual capital to reach out to Arkansans and others through myriad outreach and public service programs, making life better for everyone.

The year 2002 marked a great inflection point in the University's history. Thanks to the generosity of the Walton Family Charitable Support Foundation, the University of Arkansas received a \$300 million gift — the largest in the history of American public higher education. We are using \$200 million to establish and endow what we believe will become the nation's finest undergraduate public honors college. The remaining \$100 million is being used to endow the University of Arkansas Graduate School. These two initiatives will fuel a rapid rise in academic quality and reputation, which in turn will allow us to fulfill our potential for serving as a powerful engine of economic development and cultural change.

I invite you to use this catalog of the University of Arkansas and become better acquainted with who we are and where we're going. On behalf of the University of Arkansas community, I also invite your support and involvement as we create a better future for the people we serve.

Sincerely,



John A. White  
Chancellor

# University Profile

The University of Arkansas, Fayetteville, serves as the major center of liberal and professional education and as the primary land-grant campus in the state. It is Arkansas' major source of theoretical and applied research and the provider of a wide range of public services to people throughout the state and nation. In serving its threefold mission of teaching, research, and public service, the University strives to be recognized for excellence and continues to expand and strengthen its nationally and regionally competitive programs while maintaining a high level of competence in all programs.

The University offers a broad spectrum of academic programs leading to baccalaureate, master's, doctoral, and professional degrees in the arts, humanities, social sciences, and natural sciences, and also in the professional areas of agricultural, food and life sciences; architecture; business; education; engineering; human environmental sciences; and law. Through its faculty and its student body, the campus seeks to have all of its programs regionally competitive and to offer nationally competitive programs in selected areas.

Arkansas offers 87 bachelor's degrees in 78 fields of study. In addition, the University offers a wide range of graduate degrees, including the Master's, the Educational Specialist, the Doctor of Education, the Doctor of Philosophy, and two graduate certificate programs.

The University has statewide responsibility to provide research leadership in advancing the frontiers of knowledge. The research programs serve three purposes. First, as part of graduate instruction, research promotes students' abilities to appreciate, implement, discover, and teach. Second, research programs serve as vital sources on the economic and social needs of Arkansas. Third, in selected areas, research on the Fayetteville campus serves a national and international scholarly community. The University is committed to a future that includes sustained growth in its research and scholarship.

The University provides technical and professional services to various groups and individuals in the state, helping to further Arkansas' economic growth. The Fayetteville campus serves as a significant resource. It operates nationally respected high school and college-level correspondence programs; it assists other institutions in developing educational programs; it offers graduate programs, both cooperatively and singly, throughout the state; and it makes campus resources such as computing services and library resources available to other institutions.

## HISTORY

The University of Arkansas was established at Fayetteville in 1871. It opened its doors to students on January 22, 1872. The UA Graduate School was established in 1927. Before that year, graduate work was under the supervision of a Graduate Committee.

There were few facilities and practically no money for that first academic year, but the new institution had a distinct advantage that has been of increasing importance throughout the years. It was established

under provisions of the Morrill Act as both the State University and the Land-Grant College of Arkansas. This gave Arkansas an academic heritage and bestowed the educational responsibilities in "agriculture and mechanic arts," as envisioned by Senator Justin Smith Morrill of Vermont, on the University.

The location of Fayetteville for the University was determined by elections held throughout the state for the purpose of voting bonds or subscriptions to establish the University. The largest bid came from Washington County and the City of Fayetteville for a combined total of \$130,000. To this amount and the Congressional land grant of 150,000 acres, the state added an appropriation of \$50,000 for the benefit of the institution. The 160-acre homestead of William McIlroy was selected as the campus site and purchased for \$12,000. The McIlroy home was converted into classrooms, and a new, two-story, frame building was constructed with one classroom on each floor.

From a small beginning of eight students and three faculty members, the University of Arkansas has developed into a mature institution with eight schools and colleges. It is the major center in Arkansas for graduate-level instruction as well as basic and applied research. In addition, its public service activities reach every county in Arkansas.

## A SENSE OF PLACE

All units of the University of Arkansas, except those indicated below, are located in Fayetteville, a community of more than 62,000 residents. The population of the surrounding metroplex is approximately 225,000. The area is of great natural beauty, situated in the northwestern part of the state along the western and northern edges of the Ozark Mountains at an elevation of 1400 feet, and the climate of the region is pleasant in all seasons.

The academic units on the Fayetteville campus include eight colleges and schools: the Graduate School; the Dale Bumpers College of Agricultural, Food and Life Sciences; the School of Architecture; the J. William Fulbright College of Arts and Sciences; the Sam M. Walton College of Business; the College of Education and Health Professions; the College of Engineering; and the School of Law.

The state office of the Cooperative Extension Service is located in Little Rock. The Division of Agriculture Arkansas Experiment Station operates the Main Station located in Fayetteville; research programs in the Division of Agriculture are also at the University of Arkansas, Pine Bluff; Arkansas State University; the department of forestry at the University of Arkansas, Monticello; four research and extension centers, and at 10 outlying stations.

The University of Arkansas is a member of the North Central Association of Colleges and Schools. In 1997, North Central continued accreditation through the doctoral level for the University of Arkansas, Fayetteville, and recommended that the next comprehensive evaluation be made in 2006-07.

# Colleges, Schools, Departments, Certificates and Degree Programs

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- Department of Accounting (ACCT)  
M.Acc. in Accounting (ACCT)  
Ph.D. in Business Administration (BADM)
- Department of Agricultural and Extension Education (AEED)  
M.A.T. in Agricultural Education (AGED)  
M.S. in Agricultural & Extension Education (AEED)
- Department of Agricultural Economics and Agribusiness (AEAB)  
M.S. in Agricultural Economics (AGEC)
- Dale Bumpers College of Agricultural, Food and Life Sciences (AFLS)  
M.S. in General Agriculture (GNAG)
- Department of Animal Science (ANSC)  
M.S. in Animal Science (ANSC)  
Ph.D. in Animal Science (ANSC)
- Department of Anthropology (ANTH)  
M.A. in Anthropology (ANTH)  
Ph.D. in Anthropology (ANTH)
- Department of Art (ARTS)  
M.F.A. in Art (ART)
- Department of Biological Engineering (BENG)  
M.S.B.E. in Biological Engineering (BENG)  
M.S.E. in Engineering (BENG)  
Ph.D. in Engineering (BENG)
- Department of Biological Sciences (BISC)  
M.A. in Biology (BIOL)  
M.S. in Biology (BIOL)  
Ph.D. in Biology (BIOL)
- Graduate School of Business (GSB)  
M.Acc. in Accounting (ACCT)  
M.A. in Economics (ECON)  
M.B.A./J.D. dual degree  
M.I.S. in Information Systems (INSY)  
M.T.L.M. in Transportation and Logistics Management (TLOG)  
M.B.A. in Business Administration (WCOB)  
Ph.D. in Business Administration (WCOB)  
Ph.D. in Economics (ECON)
- Department of Chemical Engineering (CHEG)  
M.S.Ch.E. in Chemical Engineering (CHEG)  
M.S.E. in Engineering (CHEG)  
Ph.D. in Engineering (CHEG)
- Department of Chemistry and Biochemistry (CHBC)  
M.S. in Chemistry (CHEM)  
Ph.D. in Chemistry (CHEM)
- Department of Civil Engineering (CVEG)  
M.S.C.E. in Civil Engineering (CVEG)  
M.S.E. in Engineering (CVEG)  
M.S.En.E. in Environmental Engineering (ENEG)
- M.S.T.E. in Transportation Engineering (TREG)  
Ph.D. in Engineering (CVEG)
- Department of Communication (COMM)  
M.A. in Communication (COMM)
- Department of Computer Science and Computer Engineering (CSCE)  
M.S. in Computer Science (CSCE)  
M.S.C.S.E. in Computer Systems Engineering (CENG)  
M.S.E. in Engineering (CENG)  
Ph.D. in Computer Science (CSCE)  
Ph.D. in Engineering (CENG)
- Department of Crop, Soil, & Environmental Sciences (CSES)  
M.S. in Crop, Soil, & Environmental Sciences (CSES)  
Ph.D. in Crop, Soil, & Environmental Sciences (CSES)
- Department of Curriculum & Instruction (CIED)  
M.A.T. in Childhood Education (CHED)  
M.A.T. in Middle-Level Education (MLED)  
M.A.T. in Secondary Education (SEED)  
M.Ed. in Elementary Education (ELED)  
M.Ed. in Secondary Education (SEED)  
M.Ed. in Special Education (SPED)  
Ed.S. in Education (ELED)  
Ed.S. in Education (SEED)  
Ph.D. in Curriculum & Instruction (CIED)
- Department of Drama (DRAM)  
M.F.A. in Drama (DRAM)
- Department of Economics (ECON)  
M.A. in Economics (ECON)  
Ph.D. in Economics (ECON)
- College of Education and Health Professions (COEHP)  
Ed.S. in Education (EDUC)  
Ed.D. in Education (EDUC)
- Department of Educational Leadership, Counseling and Foundations (ELCF)  
Graduate Certificates (non-degree) in the following:  
Education Policy Studies (EDPO)  
Educational Measurement (EDME)  
Educational Program Evaluation (EDEV)  
Educational Statistics and Research Methods (EDST)  
M.Ed. in Educational Administration (EDAD)  
M.Ed. in Educational Technology (ETEC)  
M.Ed. in Higher Education (HIED)  
M.S. in Counseling (CNSL)  
M.S. in Educational Foundations (EDFD)  
Ed.S. in Education (CNED)  
Ed.S. in Education (EDAD)  
Ed.S. in Education (HIED)  
Ed.D. in Education (EDAD)  
Ed.D. in Education (HIED)  
Ph.D. in Counselor Education (CNED)

Department of Electrical Engineering (ELEG)  
 M.S.E.E. in Electrical Engineering (ELEG)  
 M.S.E. in Engineering (ELEG)  
 M.S.Tc.E. in Telecommunications Engineering (TCEG)  
 Ph.D. in Engineering (ELEG)

College of Engineering (ENGR)  
 Certificate in Electronics Management (non-degree)  
 M.S.E. in Engineering (ENGR)  
 Ph.D. in Engineering (ENGR)

Department of English (ENGL)  
 M.A. in English (ENGL)  
 M.F.A. in Creative Writing (CRWR)  
 Ph.D. in English (ENGL)

Department of Entomology (ENTO)  
 M.S. in Entomology (ENTO)  
 Ph.D. in Entomology (ENTO)

Department of Finance  
 Ph.D. in Business Administration (FINN)

Department of Food Science (FDSC)  
 M.S. in Food Science (FDSC)  
 Ph.D. in Food Science (FDSC)

Department of Foreign Languages (FLAN)  
 M.A. in French (FREN)  
 M.A. in German (GERM)  
 M.A. in Spanish (SPAN)

Department of Geosciences (GEOS)  
 M.A. in Geography (GEOG)  
 M.S. in Geology (GEOL)

Department of Health Science, Kinesiology, Recreation, & Dance (HKRD)  
 M.A.T. in Physical Education (PHED)  
 M.Ed. in Physical Education (PHED)  
 M.Ed. in Recreation (RECR)  
 M.S. in Health Science (HLSC)  
 M.S. in Kinesiology (KINS)  
 Ed.D. in Education (RECR)  
 Ph.D. in Health Science (HLSC)  
 Ph.D. in Kinesiology (KINS)

Department of History (HIST)  
 M.A. in History (HIST)  
 Ph.D. in History (HIST)

Department of Horticulture (HORT)  
 M.S. in Horticulture (HORT); (See also, Ph.D. in Plant Science)

School of Human Environmental Sciences (HESC)  
 M.S. in Human Environmental Sciences (HESC)

Department of Industrial Engineering (INEG)  
 M.S. in Operations Management (OMGT)  
 M.S.E. in Engineering (INEG)  
 M.S.I.E. in Industrial Engineering (INEG)  
 M.S.O.R. in Operations Research (ORES)  
 Ph.D. in Engineering (INEG)

Department of Information Systems (ISYS)  
 M.I.S. in Information Systems (INSY)  
 Ph.D. in Business Administration (BADM)

Walter J. Lemke Department of Journalism (JOUR)  
 M.A. in Journalism (JOUR)

Department of Management (MGMT)  
 Ph.D. in Business Administration (BADM)

Department of Marketing and Logistics (MKTL)  
 M.T.L.M. in Transportation and Logistics Management (TLOG)  
 Ph.D. in Business Administration (BADM)

Department of Mathematical Sciences (MASC)  
 M.A. in Secondary Mathematics (SMTH)

M.S. in Mathematics (MATH)  
 M.S. in Statistics (STAT)  
 Ph.D. in Mathematics (MATH)

Department of Mechanical Engineering (MEEG)  
 M.S.M.E. in Mechanical Engineering (MEEG)  
 M.S.E. in Engineering (MEEG)  
 Ph.D. in Engineering (MEEG)

Department of Music (MUSC)  
 Graduate Certificate in Advanced Instrumental Performance  
 (non-degree) (MUSC)  
 M.M. in Music (MUSC)

Department of Philosophy (PHIL)  
 M.A. in Philosophy (PHIL)  
 Ph.D. in Philosophy (PHIL)

Department of Physics (PHYS)  
 M.A. in Physics (PHYS)  
 M.S. in Applied Physics (APHY)  
 M.S. in Physics (PHYS)  
 Ph.D. in Physics (PHYS)

Department of Plant Pathology (PLPA)  
 M.S. in Plant Pathology (PLPA); (See also, Ph.D. in Plant Science)

Department of Political Science (PLSC)  
 M.A. in Political Science (PLSC)  
 M.P.A. in Public Administration (PADM)  
 JD/M.A., dual degree  
 JD/M.P.A., dual degree

Department of Poultry Science (POSC)  
 M.S. in Poultry Science (POSC)  
 Ph.D. in Poultry Science (POSC)

Department of Psychology (PSYC)  
 M.A. in Psychology (PSYC)  
 Ph.D. in Psychology (PSYC)

Department of Rehabilitation, Human Resources and Communication  
 Disorders (RHRC)  
 M.A.T. in Vocational Education (VOED)  
 M.Ed. in Adult Education (ADED)  
 M.Ed. in Vocational Education (VOED)  
 M.S. in Communication Disorders (CDIS)  
 M.S. in Rehabilitation (RHAB)  
 Ed.S. in Education (ADED)  
 Ed.S. in Education (VOED)  
 Ed.D. in Education (ADED)  
 Ed.D. in Education (VOED)  
 Ph.D. in Rehabilitation (RHAB)

School of Social Work (SCWK)  
 Master's of Social Work (SCWK)

Department of Sociology and Criminal Justice (SOCI)  
 M.A. in Sociology (SOCI)

Interdisciplinary Certificate and Degree Programs  
 Certificate Program:  
 Gerontology (GERO)

Degree Programs:  
 M.S. in Cell & Molecular Biology (CEMB)  
 M.A. in Comparative Literature (CPLT)  
 M.S. in Microelectronics-Photonics (MEPH)  
 M.F.A. in Translation (TRAN)  
 Ph.D. in Cell & Molecular Biology (CEMB)  
 Ph.D. in Comparative Literature (CPLT)  
 Ph.D. in Environmental Dynamics (ENDY)  
 Ph.D. in Microelectronics-Photonics (MEPH)  
 Ph.D. in Plant Science (PTSC)  
 Ph.D. in Public Policy (PUBP)