

DEPARTMENT OF EMERGENCY MANAGEMENT

The bachelor of science degree in Emergency Management (EAM) was established in 1997. Arkansas Tech University was one of the first institutions to offer a baccalaureate degree in this specialized and rapidly growing academic discipline. In 2006, the program became the first degree program to receive accreditation on a national as well as international level from the Foundation of Higher Education Accreditation in Emergency Management. In view of the interest in this degree from a wide geographic area including foreign countries, the degree is also available online as an electronic degree that was approved by the Higher Learning Commission in 2005. The program offers a master of science degree in Emergency Management and Homeland security for students seeking an advanced degree in the discipline.

The Department of Emergency Management at Arkansas Tech University is dedicated to:

1. Increasing learning and knowledge by providing outstanding teaching, scholarship, and service for the university and community.
2. Sustaining a department that supports faculty and students in their professional and intellectual growth.
3. Educating students to become leaders in the emergency management discipline and to make a positive contribution to the field.

Interest in emergency management and its importance from the global perspective have increased following recent events related to natural and technological hazards, terrorism, and other Homeland Security issues. The degree supports advancement opportunities for career professionals in a broad range of discipline areas as well as appealing to students seeking careers in emergency management in both the private and public sectors.

The curriculum in the EAM degree is based on the following core competencies for emergency managers:

Management skills
Communication skills
Leadership and decision making skills
Technical skills
Political, bureaucratic and social contexts
Comprehensive emergency management contexts
Legal and ethical contexts
Practical applications

The curriculum requires all students to complete 30 hours of EAM core courses which include 12 hours of credit for externship/internship experiences. This focus of the program is designed to build a solid foundation in emergency management concepts, competencies, and demonstrated applications. Additionally, students are required to complete 15 hours in an administrative core and 21 hours in an interdisciplinary core, which can include courses in both the natural and social sciences. Students have the option of addressing the interdisciplinary core by completing a minor in an area approved by the advisor as long as the total coursework equals 21 hours.

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Curriculum in Emergency Management

Degree Completion Plan Beginning in Fall Semester

Freshman				Sophomore			
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ENGL 1013 ^{1, T}	3	ENGL 1023 ^{1, T}	3	Social Sciences ^{1, T}	3	Social Sciences ^{1, T}	3
Social Sciences ^{1, T}	3	Social Sciences ^{1, T}	3	Fine Arts/ Humanities ^{1, T}	3	Fine Arts/ Humanities ^{1, T}	3
Science with Lab ^{1, T}	4	Science with Lab ^{1, T}	4	Physical Activity ^{1, T}	1	Physical Activity ^{1, T}	1
MATH 1113 ^T	3	EAM 1013	3	EAM 3003 ⁴	3	EAM 4033	3
EAM 1003	3	Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	3
				Administrative ³	3	Administrative ³	3
Total Hours	16	Total Hours	16	Total Hours	16	Total Hours	16

Junior				Senior			
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
EAM Core ⁴	6	EAM 3206	6	EAM Core ⁴	6	EAM 4106	6
Administrative ^{3, T}	3	EAM 3123	3	Elective ^T	3	Elective ^T	3
Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	6		
Elective ^T	3	Administrative ^{3, T}	3	Administrative ^{3, T}	3		
		EAM 4023	3				
Total Hours	15	Total Hours	18	Total Hours	18	Total Hours	9

Degree Completion Plan Beginning in Spring Semester

Freshman				Sophomore			
Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
ENGL 1013 ^{1, T}	3	ENGL 1023 ^{1, T}	3	Social Sciences ^{1, T}	3	Social Sciences ^{1, T}	3
Social Sciences ^{1, T}	3	Social Sciences ^{1, T}	3	Fine Art/ Humanities ^{1, T}	3	Fine Art/ Humanities ^{1, T}	3
Science with Lab ^{1, T}	4	Science with Lab ^{1, T}	4	Physical Activity ^{1, T}	1	Physical Activity ^{1, T}	1
MATH 1113 ^T	3	EAM 1013	3	EAM 3123 ⁴	3	EAM 4033	3
EAM 1003	3	Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	3
				Administrative ^{3, T}	3	Administrative ^{3, T}	3
Total Hours	16	Total Hours	16	Total Hours	16	Total Hours	16

Junior				Senior			
Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
EAM 3123	3	EAM 3003	3	EAM Core ⁴	9		
EAM 4023	3	EAM 3206	6	Elective ^T	3		
Interdisciplinary Core ^{2, T}	3	Interdisciplinary Core ^{2, T}	6	Interdisciplinary Core ^{2, T}	3	EAM 4106	6
Administrative ^{3, T}	3	Administrative ^{3, T}	3	Administrative ^{3, T}	3	Elective ^T	3
Elective ^T	3						
Total Hours	15	Total Hours	18	Total Hours	18	Total Hours	9

¹See appropriate alternatives or substitutions "General Education Requirements" on page 88.

²See appropriate alternatives in "Interdisciplinary Core"

³See appropriate alternatives in "Required Administrative Core".

⁴See appropriate substitutions in "EAM Core"

^T Designates a block of courses that would provide for a seamless transfer into this program if equivalent courses are taken at another college or university

The student will select with the advisor's recommendation 30 hours of credit from the EAM Core courses. EAM 1003, EAM 1013, and EAM 4033 are required classes for all students. In addition, all students must take 12 hours (EAM 3206 and EAM 4106) from the Practical Applications in addition to the 30 hours. Courses used in other categories, i.e. EAM Core, Administrative, or Interdisciplinary may not be counted in another category.

**EAM Core
(30 hours)**

EAM 1003 Living in a Hazardous Environment
 EAM 1013 Aim and Scope of Emergency Management
 EAM 2033 Citizen/Family/Community Disaster Preparedness Education
 EAM 3003 Developing Emergency Management Skills
 EAM 3013 Public Policy Issues in Emergency Management
 EAM 3023 Principles and Practice of Disaster Planning and Response Operations
 EAM 3033 The Social Dimensions of Disaster
 EAM 3123 Public Information Skills for Emergency Managers
 EAM 3133 Applied Principles of Personnel Management
 EAM 3143 The Economics of Hazards and Disaster
 EAM 3243 Introduction to Terrorism
 EAM 4003 Principles and Practice of Disaster Relief and Recovery
 EAM 4013 Business and Industry Crisis Management
 EAM 4023 Information Technology and Emergency Management
 EAM 4033 Emergency Management Research Methods/Analysis
 EAM 4043 Disaster and Emergency Management Ethics
 EAM 4053 Community Management of Hazardous Materials
 EAM 4991-3 Special Problems and Topics

EAM 3206 Externship
 EAM 4106 Practicum/Internship

**Practical Applications
(12 hours)**

The student will select with the advisor's recommendation 15 hours of credit from the following courses which are currently offered within each departmental area.

**Administrative Core¹
(15 hours)**

BUAD 1003 Introduction to Business Systems
 BUAD 2003 Business Information Systems **or**
 COMS 1003 Introduction to Computer Based Systems^T
 BUAD 2033 Legal Environment of Business^T
 BUAD 2053 Business Statistics **or**
 SOC 2053 Statistics for the Behavioral Sciences **or**
 MATH 2163 Introduction to Statistical Methods^T
 COMS 1333 Web Publishing I
 COMS 1403 Orientation to Computing, Information, and Technology
 COMS 2003 Microcomputer Applications
 EAM 3133 Applied Principles of Personnel Management
 ENGL 2053 Technical Writing^T
 HA/RP 4113 Personnel Management in
 Parks, Recreation, and Hospitality Administration
 JOUR 2133 Introduction to Mass Communication
 JOUR 4033 Community Journalism
 JOUR 4083 New Communication Technology
 JOUR 4123 Laws of Communication
 PS 3023 Professional Communications
 SPH 1003 Introduction to Speech-Communication^T
 SPH 2003 Public Speaking
 SPH 2173 Business and Professional Speaking
 SPH 3003 Interpersonal Communication
 SPH 3013 Intercultural Communication

SPH 3033 Interviewing Principles and Practices
SPH 3073 Group Communication
SPH 4063 Organizational Communication
SPH 4153 Persuasive Theory and Audience Analysis

¹Students must address any prerequisites for these courses

[†] Designates a block of courses that would provide for a seamless transfer into this program if equivalent courses are taken at another college or university

Interdisciplinary Core^{1,2}
(21 hours)

The student will select with the advisor's recommendation 21 hours of credit from the following courses which are currently offered within each departmental area.

ANTH 2003 Cultural Anthropology[†]
BIOL 1004 Principles of Environmental Science
BIOL 3043 Conservation
BIOL 3054 Microbiology
BIOL 3114 Principles of Ecology
BIOL 4023 Immunology
BIOL 4094 Coastal Ecology
CHEM 2143 Environmental Chemistry
CHEM 2204 Organic Physiological Chemistry
CHEM 3245 Quantitative Analysis
CHEM 3254 Fundamentals of Organic Chemistry
CHEM 3264 Mechanistic Organic Chemistry
CHEM 3324 Physical Chemistry I
CHEM 3334 Physical Chemistry II
CHEM 3344 Principles of Biochemistry
CHEM 3353 Fundamentals of Toxicology
CHEM 4422 Advanced Organic Chemistry
COMS 2703 Computer Networks and Architecture
COMS 2733 Introduction to Computer Forensics and Security
COMS 4703 Data Communications and Networks
COMS 4713 Heterogeneous Networks
CJ 2003 Introduction to Criminal Justice[†]
CJ/SOC 3023 Judicial Process
CJ 4023 Law and the Legal System
GEOG 2013 Regional Geography of the World
GEOG 2023 Human Geography
GEOG 3033 Physical Geography
GEOG 4023 Economic Geography
GEOG 4833 Geographic Information Systems
GEOL 1014 Physical Geology
GEOL 3044 Geomorphology
GEOL 3083 Hydrogeology
GEOL 3153 Environmental Geology
HA 1013 Sanitation and Safety
HLED 3203 Consumer Health Programs
JOUR 2143 News Writing
JOUR 3173 Public Relations Principles
JOUR 3273 Public Relations Writing
MATH 2183 Statistical Process Control
MATH 2243 Calculus for Business and Economics
MATH 3153 Applied Statistics I
MATH 4123 Mathematical Modeling
MATH 4173 Advanced Biostatistics
PE 2513 First Aid[†]

PHSC 3033 Meteorology
 PHYS 3213 Modern Physics
 POLS 2013 Introduction to Political Science^T
 POLS 3033 American State and Local Government
 POLS 3053 Introduction to Public Administration
 POLS 3093 American Municipal Government
 POLS 3403 Comparative Government
 POLS 3413 International Relations
 POLS 3473 National Security Policy
 POLS 4103 Environmental Politics
 PSY 2003 General Psychology^T
 PSY 2033 Psychology of Adjustment
 PSY/SOC 3013 Psychosocial Aspects of Death and Dying
 PSY 3043 Environmental Psychology
 PSY 3063 Developmental Psychology I
 PSY 3093 Industrial Psychology
 PSY 3163 Developmental Psychology II
 RP 1993 Basic Forest Fighting
 RP 3053 Natural Resource Management and Planning
 RP 3993 Wildland Fire Practices in Natural Resource Management
 RP 4053 Water Resources Development
 SOC 1003 Introductory Sociology^T
 SOC/CJ 2033 Social Problems^T
 SOC 3003 Sociology of Complex Organizations
 SOC 3063 Communities
 SOC/CJ 3083 Social Deviance
 SOC 4003 Minority Relations

¹Students must address any prerequisites for these courses

²Students can complete the Interdisciplinary Core by minoring in one of the following subjects. If the minor doesn't total 21 hours, they can take an additional course from the above list.

Anthropology, Biology, Chemistry, Criminal Justice, Engineering Physics, Geography, Geology, History, Hospitality Administration, Journalism, Physical Science, Political Science, Psychology, Recreation and Park Administration, Sociology, Speech.

^T Designates a block of courses that would provide for a seamless transfer into this program if equivalent courses are taken at another college or university

The minor in Emergency Management is designed to provide additional breadth for students majoring in related programs in the field of crisis and disaster management. The minor will require 18 hours of coursework emphasizing content in areas of human and physical consequences of natural and technological disasters along with mitigation procedures. Students may wish to minor in Emergency Management from disciplines listed in the Interdisciplinary Core such as Biology, Chemistry, Computer and Information Science, Criminal Justice, and Journalism.

*EAM 1003 Living in a Hazardous Environment

*EAM 1013 Aim and Scope of Emergency Management

Twelve hours of upper division EAM Core Classes

*Required for the Bachelor's degree in EAM

Minor Emergency Management