

# EMERGENCY MANAGEMENT (BSEM), BACHELOR OF SCIENCE

The Bachelor of Science in Emergency Management includes an interdisciplinary curriculum focusing on emergency management. The core coursework provides an overview of emergency management and the concentration areas sharpen student exposure to key areas of concern for disaster preparedness, hazard mitigation, response, and recovery. A minimum cumulative GPA of 2.0 is required to graduate.

The program prepares students academically for all levels of government employment as well as in nonprofit and private companies. Students will become adept at performing risk management, emergency preparedness planning and mitigation to support continuity of operations (COO), and sustainability of communities. Students will gain a thorough understanding of interagency cooperation, public/private partnership coordination, and communication as well as administrative issues involving policies and procedures, labor relations, and fiscal matters.

## Requirements

A minimum of 120 credit hours is required for a Bachelor of Science in Emergency Management (BSEM). Thirty of the last 36 hours must be courses taken from the University of Nebraska at Omaha (UNO). Registering for courses without having taken the stated prerequisites could result in administrative withdrawal.

To obtain a BSEM, a student must fulfill the University, College, and Program requirements. Some courses may satisfy requirements in more than one area, but credit is awarded only once. Grades of C- or better are required in the University General Education courses and in the 60 core hours.

- 40 to 46 hours of University General Education courses
- 30 hours of Emergency Management Core courses
- 30 hours in two 15-hour areas of concentration
- Elective hours as needed to reach 120 total credit hours

TOTAL HOURS: 120

## Writing in the Discipline Courses:

The writing in the discipline courses for emergency management are:

Code	Title	Credits
AVN 3060	WRITING IN AVIATION	3
CRCJ 3100	WRITING FOR CRIMINAL JUSTICE	3
CIST 3000	ADVANCED COMPOSITION FOR IS&T	3
ENGL 2400	ADVANCED COMPOSITION	3
ENGL 3050	WRITING FOR THE WORKPLACE	3
ENGL 3980	TECHNICAL WRITING ACROSS THE DISCIPLINES	3
MKT 3200	BUSINESS COMMUNICATIONS	3

or a course approved by the academic advisor.

## Courses Required for Major (Core Curriculum)

Code	Title	Credits
<b>Emergency Management Core</b>		
EMGT 1000	INTRODUCTION TO EMERGENCY MANAGEMENT	3
EMGT 2020	EMERGENCY MANAGEMENT STRATEGIES AND COMMUNICATION	3

EMGT 2050	POLITICAL AND LEGAL FOUNDATIONS IN EMERGENCY SERVICES	3
PA 2170	INTRODUCTION TO PUBLIC ADMINISTRATION	3
PA/SOWK/CRCJ 3000	APPLIED STATISTICS AND DATA PROCESSING IN PUBLIC SECTOR	3
EMGT 3040	PREPAREDNESS/PLANNING AND RISK MITIGATION	3
EMGT 3080	AGENCY COLLABORATION DURING DISASTERS	3
EMGT 4060	DISASTER RESPONSE AND RECOVERY	3
EMGT 4200	INTERNSHIP IN EMERGENCY MANAGEMENT	3
EMGT 4990	CAPSTONE PROJECT IN EMERGENCY MANAGEMENT	3
Total Credits		30

## Concentration Areas (two 15-hour concentrations with 9 upper level hours in each)

- Aviation Administration
- Criminology and Criminal Justice
- Fire Service Management
- Gerontology
- Geospatial Science
- Information Technology and Communication
- Intelligence and Security
- Logistics Management
- Natural Disasters
- Nonprofit Management
- Planning and Preparing for Urban Hazards
- Private Sector Management
- Public Administration and Management
- Public Health
- Tribal Management and Emergency Services
- Unmanned Aircraft Systems

## Aviation Administration

An emphasis on threats related to air travel, airport security, and disaster response.

Code	Title	Credits
<b>Required Courses:</b>		
AVN 1000	INTRODUCTION TO AVIATION AND AEROSPACE	3
AVN 2020	AIRLINE OPERATIONS	3
or AVN 2050	INTRODUCTION TO AIRPORT ADMINISTRATION	
AVN 4080	AIRPORT SAFETY AND SECURITY	3
Select six credit hours at the upper level from the following:		6
AVN 3000	BUSINESS AND CORPORATE AVIATION	
AVN 3150	AVIATION LAW	
AVN 3090	AIRPORT ADMINISTRATION AND PLANNING	
AVN 3600	INTERNATIONAL AVIATION	
AVN 3700	TRANSPORTATION ANALYSIS	
AVN 4100	MARKETING IN PUBLIC, NON-PROFIT AND AVIATION ORGANIZATIONS	
AVN 4050	GENERAL AVIATION OPERATIONS	
Total Credits		15

## Criminology and Criminal Justice

An emphasis on the role of law enforcement in emergency situations and threat management, and emergencies in prison/institutional settings.

Code	Title	Credits
<b>Required Course:</b>		
CRCJ 1010	SURVEY OF CRIMINAL JUSTICE	3
Select 12 credit hours, 9 at the upper-level, from the following: 12		
CRCJ 2030	POLICE AND SOCIETY	
CRCJ 2210	SURVEY OF CORRECTIONS	
CRCJ 3350	CRIMINOLOGY	
CRCJ 3970	INTERNSHIP IN CRIMINAL JUSTICE	
CRCJ 4030	CRIMINAL JUSTICE ORGANIZATION AND ADMINISTRATION	
CRCJ 4060	CRIMINAL JUSTICE ETHICS	
CRCJ 4210	INSTITUTIONAL CORRECTIONS	
CRCJ 4350	COMMUNITY-BASED CORRECTIONS	
CRCJ 4760	TERRORISM	
CRCJ 4800	SPECIAL TOPICS <sup>1</sup>	
Total Credits		15

<sup>1</sup> CRCJ 4800 *Topic must be approved by academic advisor*

## Fire Service Management

An emphasis on fire safety and technology and the role of fire and rescue services in emergency and disaster situations.

Code	Title	Credits
<b>Required Courses:</b>		
FSMT 2200	CODES AND INSPECTIONS	3
FSMT 2410	STRATEGIES AND TACTICS IN FIRE AND EMERGENCY SERVICES	3
FSMT 3350	FIRE PREVENTION, ORGANIZATION, AND MANAGEMENT	3
FSMT 3680	ANALYTICAL APPROACHES TO PUBLIC FIRE PROTECTION	3
FSMT 4450	FIRE AND EMERGENCY SERVICES ADMINISTRATION	3
Total Credits		15

## Gerontology

An emphasis on the physical, psychological, and social aspects of aging with special attention to protecting this population in times of disaster.

Code	Title	Credits
<b>Required Courses:</b>		
GERO 2000	INTRODUCTION TO GERONTOLOGY	3
GERO 4460	PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING	3
GERO 4670	PROGRAMS AND SERVICES FOR THE ELDERLY	3
Select six credit hours from the following: 6		
GERO 4350	ISSUES IN AGING <sup>1</sup>	
GERO/PSYC 4470	MENTAL HEALTH & AGING	
GERO 4500	LEGAL ASPECTS OF AGING	
GERO/PA 4510	LONG-TERM CARE ADMINISTRATION	
GERO/PHHB/WGST 4550	HEALTH ASPECTS OF AGING	
GERO 4690/SOWK 4040	WORKING WITH MINORITY ELDERLY	

Code	Title	Credits
GERO 4940	PRACTICUM	3
Total Credits		15

<sup>1</sup> GERO 4350 (*Topic must be approved by academic advisor*)

## Geospatial Science

An emphasis on the use of Geographic Information Systems, Remote Sensing, Global Positioning and Cartography, to understand people, places and their relative position on earth's surface, which aids in planning, preparedness and assistance in emergency situations.

Code	Title	Credits
Select one course from the following: 3		
GEOG 1000	FUNDAMENTALS OF WORLD REGIONAL GEOGRAPHY	
GEOG 1020	INTRODUCTION TO HUMAN GEOGRAPHY	
GEOG 1010	ENVIRONMENTAL GEOLOGY	
Select one course from the following: 4		
GEOG 1030	INTRODUCTION TO PHYSICAL GEOGRAPHY	
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	
GEOG 1090	INTRODUCTION TO GEOSPATIAL SCIENCES	
Select courses from the following to reach a 15 hour minimum: 8		
GEOG 3530 & GEOG 3540	CARTOGRAPHY AND GIS and CARTOGRAPHY & GIS LAB	
GEOG 4020	QUANTITATIVE ANALYSIS IN GEOGRAPHY	
GEOG 4030	COMPUTER MAPPING AND VISUALIZATION	
GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I	
GEOG 4630	ENVIRONMENTAL REMOTE SENSING	
GEOG 4660	GEOGRAPHIC INFORMATION SYSTEMS II	
Total Credits		15

## Information Technology and Communication

An emphasis on communication systems, information sharing and access, and threats to information assurance and security.

Code	Title	Credits
<b>Required Courses:</b>		
CYBR 1100	INTRODUCTION TO INFORMATION SECURITY	3
CIST 2100	ORGANIZATIONS, APPLICATIONS AND TECHNOLOGY	3
ISQA 3420	MANAGING IN A DIGITAL WORLD	3
Select six credit hours at the upper level, from the following: 6		
CIST 3110	INFORMATION TECHNOLOGY ETHICS	
ISQA 3910	INTRODUCTION TO PROJECT MANAGEMENT	
CIST/CYBR 3600	INFORMATION SECURITY, POLICY AND AWARENESS	
CYBR 4360	FOUNDATIONS OF CYBERSECURITY	
ISQA 3310	MANAGING THE DATABASE ENVIRONMENT	
ISQA 3400	INFORMATION TECHNOLOGY INFRASTRUCTURE	

ISQA/ITIN 4880	SYSTEMS SIMULATION AND MODELING	
Total Credits		15

### Intelligence and Security

An emphasis on intelligence gathering and analysis and the role of politics in the formation of national and international security programs.

Code	Title	Credits
<b>Required Courses:</b>		
PSCI 2210	INTRODUCTION TO INTERNATIONAL RELATIONS	3
PSCI 3260	UNITED STATES FOREIGN POLICY	3
PSCI 4250	INTELLIGENCE AND NATIONAL SECURITY	3

Select six credit hours, 3 at the upper level, from the following: 6

PSCI 2500	INTRODUCTION TO COMPARATIVE POLITICS	
PSCI 3220	INTERNATIONAL ORGANIZATIONS	
PSCI 3250	GLOBAL SECURITY ISSUES	
PSCI 3500	EUROPEAN POLITICS	
PSCI 3580	GOVERNMENT AND POLITICS OF RUSSIA AND THE POST-SOVIET STATES	
PSCI 3640	GOVERNMENT AND POLITICS OF CHINA AND EAST ASIA	
PSCI/LLS 3680	GOVERNMENT AND POLITICS OF LATIN AMERICA	
PSCI 3700	GOVERNMENT AND POLITICS OF THE MIDDLE EAST	
PSCI 4200	INTERNATIONAL RELATIONS OF EAST ASIA	
PSCI 4210	INTERNATIONAL RELATIONS OF THE MIDDLE EAST	
PSCI 4240	INTERNATIONAL CONFLICT RESOLUTION	
PSCI 4260	INTERNATIONAL LAW	
PSCI/ENVN 4270	GLOBAL ENVIRONMENTAL POLITICS	
PSCI/LLS 4280	INTERNATIONAL RELATIONS OF LATIN AMERICA	
PSCI 4620	ISLAM AND POLITICS	
PSCI 4500	GOVERNMENT AND POLITICS OF GREAT BRITAIN	
PSCI 4520	POLITICS OF FRANCE	

Total Credits 15

### Logistics Management

An emphasis on management and coordination of resources to support government and private sector operations in normal and emergency situations.

Code	Title	Credits
<b>Required Courses:</b>		
SCMT 3410	SUSTAINABLE SUPPLY CHAIN MANAGEMENT	3
SCMT 4380	INDUSTRIAL PURCHASING AND LOGISTICS MANAGEMENT	3

Nine credit hours from the following: 9

ACCT 2000	ACCOUNTING BASICS FOR NON-BUSINESS MAJORS	
ACCT 2010 & ACCT 2020	PRINCIPLES OF ACCOUNTING I and PRINCIPLES OF ACCOUNTING II	

SCMT 2000	SURVEY OF SUPPLY CHAIN MANAGEMENT	
SCMT 4330	PROJECT MANAGEMENT	
SCMT 4350	GLOBAL SOURCING AND INNOVATION	
SCMT 4540	SUPPLY CHAIN MANAGEMENT INTERNSHIP	
ECON 1200	AN INTRODUCTION TO THE U.S. ECONOMY	
SCMT/ISQA 4160	INTRODUCTION TO ENTERPRISE RESOURCE PLANNING	

Total Credits 15

### Natural Disasters

An emphasis on naturally occurring disasters and their scientific nature including prediction, preparedness and response.

Code	Title	Credits
<b>Required Courses:</b>		
Select two courses from the following: 7-8		
GEOG 1030	INTRODUCTION TO PHYSICAL GEOGRAPHY	
GEOG 1010	ENVIRONMENTAL GEOLOGY	
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	

Select two courses from the following to reach a 15 hour minimum: 7-8

GEOG 3510 & GEOG 3514	METEOROLOGY and INTRODUCTION TO METEOROLOGY LABORATORY	
GEOG 4320	CLIMATOLOGY	
GEOG 4330	SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION	
GEOG 4340	WATER RESOURCES	

Total Credits 14-16

### Nonprofit Management

An emphasis on the role of nonprofit organizations during times of disaster including foundational knowledge of financial management, community change, marketing and managing volunteer and staff within the organization.

Code	Title	Credits
<b>Required Courses:</b>		
PA 3500	NONPROFIT ORGANIZATIONS AND MANAGEMENT	3
PA 4500	NONPROFIT FUNDRAISING	3
PA 3600	PERSONNEL AND VOLUNTEER MANAGEMENT IN NONPROFITS	3
PA 3700	FINANCIAL MANAGEMENT FOR NONPROFITS	3
PA 4100	MARKETING IN PUBLIC, NON-PROFIT AND AVIATION ORGANIZATIONS	3

Total Credits 15

### Planning and Preparing for Urban Hazards

An emphasis on geography including human populations and their impact on dealing with urban hazards, such as natural or manmade disasters.

Code	Title	Credits
<b>Required Courses:</b>		
Select two courses from the following: 6-7		
GEOG 1000	FUNDAMENTALS OF WORLD REGIONAL GEOGRAPHY	
GEOG 1020	INTRODUCTION TO HUMAN GEOGRAPHY	

GEOG 1030	INTRODUCTION TO PHYSICAL GEOGRAPHY	
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	
UBNS/PA 1010	INTRODUCTION TO URBAN STUDIES	
Select courses from the following to reach a 15 hour minimum:		9
GEOG/ECON 3130	ECONOMIC GEOGRAPHY	
GEOG 3930	POLITICAL GEOGRAPHY	
GEOG 4120	URBAN GEOGRAPHY	
GEOG 4160	URBAN SUSTAINABILITY	
Total Credits		15-16

**Private Sector Management**

Emphasis on business principles including business continuity planning, sustainability and resiliency.

Code	Title	Credits
<b>Required Courses:</b>		
ACCT 2000	ACCOUNTING BASICS FOR NON-BUSINESS MAJORS	3
ECON 2200	PRINCIPLES OF ECONOMICS (MICRO)	3
MKT 3310	PRINCIPLES OF MARKETING	3
MGMT 3490	MANAGEMENT	3
ENTR 3710	ENTREPRENEURIAL FOUNDATIONS	3
Total Credits		15

**Public Administration and Management**

An emphasis on budgeting, organizational structure, human resources, and planning

Code	Title	Credits
<b>Required Courses:</b>		
PA 4300	SEMINAR IN PUBLIC POLICY	3
PA 4390	PUBLIC BUDGETING	3
PA 3500	NONPROFIT ORGANIZATIONS AND MANAGEMENT	3
or PA 4410	PUBLIC PERSONNEL MANAGEMENT	
Select six credit hours from the following:		6
PA 2000	LEADERSHIP & ADMINISTRATION	
PA 3180	ELEMENTS OF PUBLIC MANAGEMENT	
PA 4430	MUNICIPAL ADMINISTRATION	
PA 4440	ORGANIZATIONAL DEVELOPMENT AND CHANGE	
PA 4530	STRATEGIC PLANNING	
Total Credits		15

**Public Health**

Emphasis on the role of healthcare in disaster situations including epidemics, pandemics, bio-terrorism and other public health issues.

Code	Title	Credits
<b>Required Courses:</b>		
PHHB 1500	FOUNDATIONS IN PUBLIC HEALTH	3
PHHB 4130	COMMUNITY HEALTH	3
PHHB 4880	PUBLIC HEALTH POLICY	3
Select six credit hours from the following:		6
PHHB 4960	HEALTH EDUCATION - PLANNING AND ORGANIZATION	
PHHB 4040	EPIDEMIOLOGY & PREVENTION OF DISEASE	
PHHB 3310	GENERAL SAFETY EDUCATION	

PHHB 4950	PUBLIC HEALTH LEADERSHIP AND ADVOCACY	
Total Credits		15

**Tribal Management and Emergency Services**

Emphasis on the knowledge of tribal government and law as well as how tribal governments interface with the local, state and federal government.

Code	Title	Credits
<b>Required Courses:</b>		
EMGT 1150	INTRODUCTION TO TRIBAL EMERGENCY MANAGEMENT	3
EMGT 2060	FOUNDATIONAL INDIAN LAW & POLICY ISSUES	3
EMGT 2500	DISASTERS AND VULNERABLE POPULATIONS	3
EMGT 3020	FEDERAL/TRIBAL GOVERNMENT TO GOVERNMENT RELATIONS	3
EMGT 4050	INTEGRATION OF CONTEMPORARY ISSUES IN TRIBAL EMERGENCY MANAGEMENT	3
Total Credits		15

**Unmanned Aircraft Systems**

Emphasis on flying unmanned aircraft and the skills to manage a full operation and utilize the data an imagery collected.

Code	Title	Credits
<b>Required Courses:</b>		
AVN 1020	PRIVATE PILOT THEORY	3
AVN 1500	INTRODUCTION TO UNMANNED AIRCRAFT SYSTEMS	3
AVN 2500	UNMANNED AIRCRAFT SYSTEMS FLIGHT OPERATIONS	3
AVN 4500	ADVANCED UNMANNED AIRCRAFT SYSTEMS PROCEDURES	3
Select one course from the following:		3
AVN 3040	HUMAN FACTORS IN AVIATION SAFETY	
AVN 3700	TRANSPORTATION ANALYSIS	
AVN 4990	AIR TRANSPORTATION	
AVN 4200	INTERNSHIP IN AVIATION	
ENTR 3710	ENTREPRENEURIAL FOUNDATIONS	
GEOG 3510	METEOROLOGY	
GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I	
GEOG 4630	ENVIRONMENTAL REMOTE SENSING	
Total Credits		15