EDUCATION AS A PATH TO BUILDING DISASTER RESILIENT COMMUNITIES

Multi-Disciplinary Studies Major

Environmental Hazards and Emergency Management Concentration

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**Learning Objectives**

- Demonstrate knowledge of the five mission areas of emergency management and the role each one plays in planning and mitigation
- Apply the theoretical underpinnings of emergency management to practice
- Examine the role terrorism plays on society and how it impacts public policy and decision-making
- Identify the core requirements of effective planning
- Recognize the effective methods for decision-making and problem-solving as related to emergency management
- Exhibit competency in assessing risk susceptibility, resilience and vulnerability within a community or organization
- Demonstrate knowledge of natural disasters from a scientific perspective
- Interpret and analyze appropriate data and information technology related to natural hazards and emergency management
- Show an understanding of the global, national, regional and local impact of disasters

**Core Program 1**

(18 credits)

**EHEM 201:**
Introduction to Emergency Management (3 credits)

**EHEM 305:**
Disaster Management and Community Risk Assessment (3 credits)

**EHEM 316:**
Introduction to Terrorism, WMD, and Homeland Security (3 credits)

**OSEH 120:**
Introduction to Occupational Safety (3 credits)

**OSEH 221:**
Industrial Fire Prevention (3 credits)

**ESCI 101:**
Earth Systems and Natural Hazards (3 credits)

**Core Program 2**

(18 credits)

**ESCI 107:**
The Atmosphere (3 credits)

**ESCI 104:**
World Oceans (3 credits)

**ESCI 221:**
Physical Geology (3 credits)

**ESCI 245:**
Environmental Meteorology (3 credits)

**ESCI 385:**
Global Change (3 credits)

**GEOG 295:**
Geographical Information Systems (3 credits)