Multi-Disciplinary Studies Major (MDST)

Environmental Hazards and Emergency Management Concentration (EHEM)

MDST Program Coordinator
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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)