Emergency management is the academic discipline that educates and trains those interested in protecting and building disaster-resilient communities. The field of emergency management has shown significant growth and continues to develop as disasters and major emergencies become more frequent and costly, and as response and recovery from these events require collaboration and coordination from all sectors.

DEGREES/CONCENTRATIONS

BACHELOR OF ARTS IN MULTIDISCIPLINARY STUDIES (B.A.)

The Bachelor of Arts in multidisciplinary studies (MDST) – environmental hazards and emergency management is an innovative major centered in the liberal arts and sciences, and cultivates multidisciplinary perspectives within the University’s established college and departmental structure. With careful guidance and academic advisement, students tailor their major to particular areas of strength and interest. The multidisciplinary studies coordinator directs the program and advocates on behalf of students enrolled in the major.

CORE PROGRAMS

The MDST major with a concentration in environmental hazards and emergency management has two core program tracks:

- **Core Program 1**
  - EHEM 201: Introduction to Emergency Management
  - EHEM 305: Disaster Management and Community Risk Reduction
  - EHEM 316: Introduction to Terrorism, WMD and Homeland Security
  - ESCI 101: Earth System and Natural Hazards
  - OSEH 120: Introduction to Occupational Safety
  - OSEH 221: Industrial Fire Prevention

- **Core Program 2**
  - ESCI 104: World Oceans
  - ESCI 107: The Atmosphere
  - ESCI 221: Physical Geology
  - ESCI 245: Environmental Meteorology
  - ESCI 385: Global Change
  - GEOG 295: Geographic Information Systems

- **Capstone Experience**
  - EHEM 498: Independent Study or Internship in Emergency Management

"I am really impressed with the support and attention from faculty here and I am excited about my future career in emergency management."

—Katie Prichard ’15
SELECTED COURSE DESCRIPTIONS

Disaster Management and Community Risk Reduction – Study of current trends of building disaster-resilient and disaster-resistant communities to prevent the size of the devastation from disasters. An examination into prevalent legislation that controls and shapes both building construction and land-use planning, technological advances for building a disaster-resistant community and legal issues of community planning.

Earth Systems and Natural Hazards – The scientific understanding of earth systems as the causes of natural disasters, such as earthquakes, volcanoes, landslides, hurricanes, tornadoes, floods and tsunamis.

Industrial Fire Prevention, Protection and Control – Basic principles, chemistry of fire, fire-hazards determination, workforce notification, alarm and sprinkler systems, protective equipment, evacuation procedures and firefighting methods.

Introduction to Terrorism, Weapons of Mass Destruction and Homeland Security – An introduction into all aspects of terrorism, weapons of mass destruction and homeland security in our modern world. A study of the overall history of terrorism, legislation that oversees emergency management, and various methods for combating terrorism. How to manage an emergency management agency while taking into account modern-age terrorism threats.

PROGRAM 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 in 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.

CENTER FOR DISASTER RESEARCH AND EDUCATION (CDRE)


STUDENT ORGANIZATIONS

International Association Of Emergency Managers (IAEM) – The mission of IAEM is to serve its members by providing information, networking and professional opportunities, and to advance the emergency management profession. Millersville’s Chapter was named the “Student Chapter of the Year” award at the 2014 National IAEM Conference held in San Antonio, Texas.

FACULTY ADVISORS

Dr. Sepi Yalda – Luzerne House
717-871-7550; Sepi.Yalda@millersville.edu

Dr. Duane Hagelgans – Luzerne House
717-871-7536; Duane.Hagelgans@millersville.edu