

Erie Community College, SUNY – Associate of Science in Emergency Management

The Emergency Management Program prepares students with the knowledge and strategic managerial skills necessary to ensure a secure and resilient nation to prevent, protect against, mitigate, respond to, recover from the effects of any potential technical, natural disaster, and acts of terrorism including cyber security events. Students will utilize ECC's multi-scenario simulator and hands-on classroom experience employing comprehensive emergency management knowledge.

Additionally, the constant threat of terrorism and events surrounding situations like the attacks on the World Trade Center, the documented rise in the number of weather-related disasters and the increasingly complex world events with regard to other natural and human-induced disasters provides strong evidence for the immediate and long-term need for highly qualified emergency managers. Students completing the EM curriculum will have gained the necessary knowledge and skills to implement the National Preparedness Goal by identifying, describing, and applying the five mission areas of the emergency management: prevention, protection, mitigation, response, and recovery. Students will be knowledgeable and have an understanding of how individuals, private sectors, not-for-profit organizations and organizations at all levels of government should prevent, protect against, mitigate the effects, respond to, and recover from emergencies. Students completing the program will be able to face the specific challenges encountered by community leaders and managers.

Traditional students, firefighters, police officers, emergency medical personnel, safety officers, engineers and scientists (all disciplines), nurses, homeland security, health care practitioners, and social workers-in both the public and the private sectors-will enhance their career opportunities and be better prepared to offer practical strategies and methodologies for effective planning, response, and recovery.

Learning outcomes include fundamentals in emergency planning, leadership and influence, decision making and problem solving, incident management system, mitigation and preparedness, response and recovery, terrorism planning and response including cyber-attacks, national planning frameworks (prevention, protection, mitigation, response and recovery), training and exercise programs, emergency operations center design and operation, simulator training, and internships. Graduates will be able to engage, facilitate and encourage community and organizational emergency preparedness to newly recognized national standards

Program Curriculum:

First Year, Fall Semester

ER 110 - Introduction to Emergency Management Credit Hours: 3

ER 111 - Risk Communication and Public Information Credit Hours: 3

EN 110 - College Composition Credit Hours: 3

CH 140 - Introduction to Chemistry I Credit Hours: 3

CH 141 - Lab for CH 140 Credit Hours: 1.5

Humanities Elective Credit Hours: 3

First Year, Spring Semester

ER 120 - Emergency Planning Credit Hours: 3

ER 121 - Incident Management System Credit Hours: 3

ER 122 - Emergency Management Leadership Credit Hours: 3

EN 111 - Composition and Interpretation of Literature Credit Hours: 3

Math Credit Hours: 3-4

Second Year, Fall Semester

ER 210 - Mitigation and Preparedness for Emergency Managers Credit Hours: 3

ER 211 - Disaster Response and Recovery Operations Credit Hours: 3

ER 212 - Terrorism: Prevention, Preparedness, Response and Recovery Credit Hours: 3

GP 150 - Introduction to Geographic Information Systems Credit Hours: 4

PH 120 - Environmental Science Credit Hours: 3

Second Year, Spring Semester

ER 220 - Emergency Operations Center Management and ICS Interface Credit Hours: 3

ER 221 - Emergency Exercise Program Management Credit Hours: 3

American History or World Civilization Credit Hours: 3

Social Science Credit Hours: 3

Open Elective (Recommended: CJ/FPT/EMT/GP/SO/PH) Credit Hours: 3

Erie Community College is a member of the State University of New York (SUNY) System, and is fully accredited by the Commission on Higher Education, Middle States Association of Colleges and Schools.

For more information:

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