



E0179 Application of Hazus for Disaster Operations

Course Dates:

May 10-13, 2021

Travel Dates:

May 9 and May 14, 2021

Course Length:

This course is 4 days in length.

Location:

Emergency Management Institute (EMI) on the campus of the National Emergency Training Center (NETC), Emmitsburg, Maryland

Course Description:

This course builds valuable skills for effectively using Geographic Information Systems (GIS) tools, with emphasis on Hazus, to support disaster operations. Participants learn how GIS can support the activities that disaster management teams perform. Particular emphasis is placed on strategies for identifying, acquiring, and analyzing appropriate GIS compatible data for disaster operations. Numerous hands-on activities provide examples of effective applications of GIS tools, with a focus on Hazus.

These activities address areas such as debris management, sheltering, and infrastructure damage assessment. Participants also complete a capstone activity that provides an opportunity to use Hazus to support a realistic disaster scenario that is based on a community of interest to the participants.

Course Objectives:

Upon completion of this course, participants should be able to:

- Understand and summarize the emergency management cycle.

- Understand and explain incident management activities during the response and recovery phases of emergency management.
- Explain how the roles and responsibilities of the disaster operations team can be supported by geospatial tools and data.
- Explain how the capabilities of Hazus can support disaster operations activities in both pre- and post-disaster phases.
- Identify strategies for improving Hazus inputs and other related GIS data in order to derive the most benefit from GIS tools when applied to disaster operations.
- Identify and apply best practices for most effectively using the Hurricane model to support emergency management.
- Import user data and develop a Hazus hurricane analysis from start to finish.
- Identify and apply best practices for most effectively using the Flood model to support emergency management.
- Import user data and develop a Hazus flood analysis from start to finish.
- Identify and apply best practices for most effectively using the Earthquake and Tsunami models to support emergency management.
- Import user data and develop a Hazus earthquake analysis from start to finish.
- Import user data and develop a Hazus tsunami analysis from start to finish.
- Simulate the role of a GIS specialist using Hazus to support an incident command in responding to a natural disaster.

Prerequisites:

E0313, Basic Hazus, and skills equivalent to those taught in E0190, ArcGIS for Emergency Managers.

TRAINING OPPORTUNITY

Continuing Education Units (CEUs):

EMI awards 2.8 CEUs for completion of this course.

Target Audience:

FEMA Mitigation staff, Mitigation Disaster Reservists, and state Building Science and GIS professionals; additionally, Federal, state, local, and tribal officials who have a role and responsibility in the Joint Field Office (JFO), with priority given to Mitigation, Individual Assistance (IA), and Public Assistance (PA). The course also targets select decision-makers on the National Response Coordination Center (NRCC), in the Regional Operations Center, and the state Emergency Operations Center.

To Apply:

Scan the QR Code, or [click the link for information on how to apply for EMI courses](#):



https://training.fema.gov/netc_online_admissions

Application Review:

In order to be evaluated for admission into this course, please upload required attachments. Please refer to the Target Audience above and indicate how you meet the requirements based upon your position and experience.

Travel and Housing Information:

Upon acceptance into the course, NETC Admissions will mail out an Acceptance Letter and Welcome Package outlining travel information, NETC shuttle services, lodging, and other logistics. Scan the QR Code below, or [click the link for a PDF copy of the NETC Welcome Package online](#):



http://training.fema.gov/EMIWeb/downloads/NETC_Welcome_Package.pdf

Lodging is provided for course participants on the NETC campus. Participants staying overnight on campus are required to purchase a meal ticket for the duration of the training activity.

Notify the NETC Transportation Office at least 2 weeks prior to the course date to reserve a shuttle seat.

Details for the above are in the Welcome Package.

Notice to Applicants for EMI courses:

Individuals applying for EMI classes will be required to register using the FEMA Student Identification (SID) number. This number will be used in place of the Social Security Number (SSN) on your application form. **The SSN is no longer required.**

How do I obtain my FEMA SID number?

Step 1: [To register, go to:](#)

<https://cdp.dhs.gov/femasid>

Step 2: Click on the "Register for a FEMA SID" button on screen.

Step 3: Follow the instructions and provide the necessary information to create your account.

Step 4: You will receive an email with your SID number. You should save this number in a secure location.

EMI Training Point of Contact:

For additional information, contact the Mitigation Branch at (301) 447-1152 or by email at fema-emi-mit@fema.dhs.gov.

TRAINING OPPORTUNITY