



E0172 Hazus for Flooding

Course Dates:

July 19-22, 2021

Travel Dates:

July 18 and July 23, 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 on the information provided in E0313, Basic Hazus, by providing an in-depth exploration of the Hazus Flood model. An overview of the flood-related inventory components is provided. An emphasis is placed on techniques for defining a flood hazard, adjusting parameters for identifying economic and social impacts from floods, and interpreting and applying model outputs. Best practices for using the Flood model to support emergency management are identified. Course instruction includes lectures, demonstrations, and multiple hands-on individual and group activities.

Course Goal:

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

- Explain the key components of the methodology employed in the Hazus Flood model for defining the flood hazard as well as options that users have for refining the flood hazard definition.
- Summarize the purpose, uses, and functionalities of Hazus.

- Identify the key parameters that influence the social and economic impact assessments generated by the Flood model.
- Identify the types of data included in the Hazus flood inventory, data needed for flood analyses, sources of flood hazard data, and successfully integrate this data into flood analyses.
- Identify and apply best practices for most effectively using the Flood model to support emergency management.
- Develop a Hazus flood user-defined facilities analysis from start to finish.
- Understand Hazus's ability to conduct combined flood analyses, including storm surge and tsunami flooding.
- Create and import user-defined flood depth grids for both riverine and coastal hazard scenarios.
- Successfully interpret the results outputs within the menus, tables, and reports.
- Create, develop, and present a flood analysis for a county to assist in developing flood mitigation strategies.

Prerequisites:

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

Continuing Education Units (CEUs):

EMI awards 2.8 CEUs for completion of this course.

Target Audience:

This course is intended for Hazus users; Federal, state, local, and tribal emergency managers and GIS specialists; planners; and others who support flood mitigation and response activities and who

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wish to expand their Hazus skills beyond those developed in E0313, Basic Hazus.

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:

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.

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