



E0170 Hazus for Hurricane

Course Date:

May 24-27, 2021

Travel Dates:

May 23 and May 28, 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 Hurricane model. An overview of the hurricane-related inventory components is provided. An emphasis is placed on techniques for defining a hurricane hazard, adjusting parameters for identifying economic and social impacts of hurricanes, and interpreting and applying model outputs. Best practices for using the hurricane 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 should be able to:

- Explain the key components of the methodology employed in the Hazus Hurricane model for defining the hurricane hazard as well as options that users have for refining the hurricane 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 Hurricane model.
- Identify the types of data included in the Hazus hurricane inventory, data needed for hurricane analyses, sources of hurricane hazard data, and successfully integrate this data into hurricane analyses.
- Identify and apply best practices for most effectively using the Hurricane model to support emergency management.
- Develop a Hazus hurricane user-defined analysis from start to finish.
- Understand Hazus's ability to conduct combined hurricane analyses in storm surge modeling.
- Create and complete an historical scenario using imported user-defined wind fields.
- Successfully interpret the results outputs within the menus, tables, and reports.
- Create, develop, and present a hurricane wind analysis for a county to assist in developing hurricane mitigation or response and recovery 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.

TRAINING OPPORTUNITY

Target Audience:

The course is intended for Federal, state, local, and tribal emergency managers and GIS specialists; planners; and others who support Hurricane mitigation and response activities and who 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):



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](https://training.fema.gov/EMIWeb/downloads/NETC_Welcome_Package.pdf):



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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)

<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