



E0386 Residential Coastal Construction

Course Dates:

October 4–7, 2021

Travel Dates:

October 3 and October 8, 2021

Course Length:

This course is 4 days in length.

Location:

Emergency Management Institute (EMI),
National Emergency Training Center
(NETC), Emmitsburg, Maryland.

Course Description:

This course is designed to train participants to effectively use FEMA P-55, Coastal Construction Manual (4th Edition, 2011). The course and publication provide a comprehensive approach to planning, siting, designing, constructing, and maintaining homes in the coastal environment. The course contains in-depth descriptions of design, construction, and maintenance practices that, when followed, will increase the durability of residential buildings in the harsh coastal environment and reduce economic losses associated with coastal natural disasters.

Course Goals:

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

1. Understand the basic principles of designing in a coastal environment: design premise, design framework, constraints, and defining a “successful” building.

2. Understand the differences in design requirements and expected performance between coastal construction and inland construction.
3. Understand the significance and “lessons” of historical events at the coast.
4. Describe minimum requirements and “best practices” for coastal construction.
5. Identify coastal hazards at potential building sites and identify where to obtain pertinent information.
6. Understand how to calculate design loads and conditions.
7. Understand the continuous load path principle.
8. Identify siting, design, construction, and maintenance defects that result in vulnerable buildings.

Required Prerequisites:

It is recommended that the participants complete EMI Independent Study course IS-279.a (Introduction to Retrofitting Flood-Prone Residential Buildings) prior to the class.

Continuing Education Units (CEUs):

EMI awards 2.8 CEUs for completion of this course.

Continuing Education Credits (CECs):

The Association of State Floodplain Managers (ASFPM) awards 12 CECs for completion of this course.

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Target Audience:

The primary audience for this course is engineers and architects. Floodplain Managers and Building Code Officials are also encouraged to attend. Hazard Mitigation, Planning, Zoning, Public Works, and other Building Officials with building science knowledge and those from the private sector, such as engineering firms, may also apply.

To Apply:

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



<https://training.fema.gov/onlineadmissions/>

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 email an Acceptance Letter and Welcome Package outlining travel information, NETC shuttle services, lodging, and other logistics. Scan the QR Code below, or [click this link for a PDF copy of the NETC Welcome Package online:](#)



[Welcome Package \(fema.gov\)](#)

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 included 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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