



## ***E0386: Residential Coastal Construction***

### **Course Dates:**

April 25–28, 2022

### **Travel Dates**

April 24 and April 29, 2022

### **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 (4<sup>th</sup> edition). This 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 Goal:**

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 in coastal areas.
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.

### **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 CEU for completion of this course.

### **Continuing education Credits (CECs):**

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

### **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.

# TRAINING OPPORTUNITY

**To Apply:**

For information on how to apply for EMI courses, click this link: [National Emergency Training Center Online Admissions Application](https://training.fema.gov/netc_online_admissions) (https://training.fema.gov/netc\_online\_admissions).

**Application Review:**

To be evaluated for admission into this course, block #16 on the application form must be completed. Please refer to the Target Audience above and indicate how you meet the requirements based upon your position and experience.

Please note - NETC Admissions will notify you of your acceptance into this course via email with an Acceptance Letter/Welcome Package. The course manager will send a separate email prior to the course outlining additional information to ensure you have a successful experience.

**Notice to Applicants for EMI Courses:**

Individuals applying for EMI classes will be required to register using the FEMA Student Identification (SID) number.

**How do I obtain my FEMA SID number?**

- Step 1: To register, go online to the [FEMA Student Identification System](https://cdp.dhs.gov/femasid) (https://cdp.dhs.gov/femasid).
- Step 2: Click the "Register for a FEMA SID" button on the screen.
- Step 3: Follow the instructions and provide the necessary information to create your account.

**EMI Training Point of Contact:**

For additional information, contact the EMI Mitigation Branch by email at [fema-emi-mit@fema.dhs.gov](mailto:fema-emi-mit@fema.dhs.gov)

# TRAINING OPPORTUNITY