



E0279: Retrofitting Flood-Prone Residential Buildings

Course Dates:

Aug 22–25, 2022

Travel Dates

August 21 and August 26, 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 provide engineering and economic guidance to architects, engineers, and local code enforcement officials on retrofitting existing one- to four-family residential structures situated in flood-prone areas. The retrofitting measures presented are creative, practical, compliant with applicable floodplain regulations, and satisfactory to most homeowners.

Course Goal:

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

1. Recognize when code regulations, floodplain management, and standard design solutions make some retrofitting measures inappropriate.
2. Utilize a step-by-step approach to the relocation process.
3. Utilize design calculation worksheets to compute standard technical details and specifications for dry floodproofing.
4. Utilize a step-by-step approach to the wet floodwall design process.
5. Compute economic benefits in terms of the avoided future flood damage and associated costs.

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.

Target Audience:

The primary audience for this course is architects, engineers, and local code enforcement officials.

To Apply:

Click this link for information on how to apply for EMI courses: [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.

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How do I obtain my FEMA SID number?

Step 1: To register, go to: [FEMA Student Identification System](https://cdp.dhs.gov/femasid)

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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.

EMI Training Point of Contact:

For additional information, contact the EMI Mitigation Branch by email at fema-emi-mit@fema.dhs.gov.



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