



## ***E2460: Advanced Building Science Series I Training – Revised Dates***

**Course Dates:**

August 22–26, 2022

**Travel Dates:**

August 21 and August 27, 2022

**Course Length:**

This course is 4.5 days in length.

**Location:**

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

**Course Description:**

This course is an advanced topics course addressing the ever-changing challenges faced from flood and wind risk through a comprehensive approach of best-practice mitigation, code compliance, designing for future conditions, and FEMA policies and funding mechanisms aimed at achieving higher standards.

It is a 4.5-day course comprised of multiple modules that will focus on:

1. Flood and Wind Provisions of the I-Codes and ASCE-24
2. Strategies for Maximizing Floodproofing Success
3. Steps to a Successful Elevation
4. Incorporating Future Conditions into Flood Design
5. Wind Mitigation for Buildings: Policies & Procedures for Successful Recovery
6. Critical Building Performance for Wind

**Course Goal:**

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

1. Reinforce learning concepts through comprehensive exercises and exposure to FEMA Building Science Branch products, risk map tools, and other industry resources.
2. Promote increased compliance of hazard-resistant building codes and floodplain management ordinances through better understanding of the relationships of the I-Codes, NFIP, and ASCE-24.
3. Increase knowledge of flood and wind hazard best practice, mitigation strategies, and lessons learned through post-disaster, FEMA Mitigation Assessment Team observations.
4. Provide solutions for designing for future conditions, to help communities adapt to probable future flood hazards and lifetime building performance and operation requirements.

**Prerequisites:**

It is recommended that participants complete EMI resident course E0312 (Fundamentals of Building Science) or Independent Study courses IS-279.a (Introduction to Retrofitting Flood-Prone Residential Buildings) and IS-386 (Introduction to Residential Coastal Construction) prior to the class.

**Continuing Education Units (CEUs):**

EMI awards 2.8 CEUs and ASFPM awards 12 CECs for completion of this course.

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**Target Audience:**

The target audience are designers, building code professionals, floodplain managers, hazard mitigation/municipal planners, and persons with building science knowledge.

**To Apply:**

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

**For FEMA Staff:**

If the course is on their Position Task Book, go to Deployment Tracking System and self-register. If the course is not on the staff member's PTB, send an email to [FEMA-FQS-Training](mailto:fema-fqs-training@fema.dhs.gov) (fema-fqs-training@fema.dhs.gov) requesting registration instructions.

**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 to: [FEMA Student Identification System](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.

**EMI Training Point of Contact:**

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

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