

Pilot Course: *E2460 Advanced Building Science Series I*

Pilot Course Dates:

May 13 - 16, 2019

Travel Dates:

May 12 and 17, 2019

Location:

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

Course Description:

This advanced-topics course addresses the everchanging challenges faced from flood and wind risk, through a comprehensive approach of planning, compliance, best-practice mitigation, and funding.

The four-day course is comprised of six (6) half- and full-day modules that will focus on:

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

Course Goals:

This course seeks to:

- Enhance participants' capability to understand risk and promote compliance with building codes, best practices, and FEMA policies, thereby increasing resiliency on the local, state, and national levels.
- Increase participants' knowledge and understanding of the provisions and interactions of the I-Codes, engineering standards, FEMA technical guidance, and FEMA mitigation funding programs for flood and wind hazards.
- Support participants' capacity to plan for future conditions by considering probable future flood hazards and lifetime building performance and operation requirements.
- Facilitate participants' implementation of course content in their practice of engineering design, vulnerability assessment, and building inspection through comprehensive exercises, practical guidance, and custom tools.

Target Audience:

The primary audience for this course is engineers and architects. Floodplain managers, building code officials, and hazard mitigation/municipal planners with building science knowledge are also encouraged to attend.



TRAINING OPPORTUNITY

Continuing Education Units (CEU's):

EMI awards 2.8 CEUs for completion of this course.

Continuing Education Credits (CEC's):

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

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.

To Apply:

Complete a **General Admissions Application, FEMA Form 119-25-1**, with student signature and signature of supervisor or sponsoring agency official. Applicants are required to register using the **FEMA Student Identification (SID) Number**

<https://training.fema.gov/apply/notice.aspx>

The General Admissions Application form is available at:

<https://training.fema.gov/apply/119-25-1.pdf?d=2014-12-9>

Helpful tips on filling out the application are available at:

<https://training.fema.gov/apply/emiapptips.pdf?v=2016-02-12>

For more information on how to apply for EMI courses, visit: <https://training.fema.gov/apply/>

Submit the application no later than **April 1, 2019** to the NETC Admissions Office. Mail, scan, or fax the application to:

NETC Admissions Office (Room I-216)

National Emergency Training Center

16825 South Seton Avenue

Emmitsburg, MD 21727-8998

Phone: (301) 447-1035 Fax: (301) 447-1658

Email: netcadmissions@fema.dhs.gov

Application Review:

Upon acceptance into the course, NETC Admissions will mail out an Acceptance Letter/Welcome Package outlining travel information, NETC shuttle services, lodging and other logistics. The NETC Welcome Package can be viewed online at:

https://training.fema.gov/emiweb/downloads/netc_welcome_package.pdf

Campus Lodging:

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.

Meal Ticket Purchase:

<https://netcmealtickets.com>

Complimentary Airport Shuttle:

Notify the NETC Transportation Office at least 2 weeks prior to the course date to reserve a seat. Contact (301) 447-1311, or fema-netc-housing@fema.dhs.gov

Travel Authorizations:

PFT and CORE employees must ensure their travel authorization (TA) is completed through Concur Government Edition (CGE) Travel System for course offerings.

All Federal travelers must have an approved TA prior to travel. A copy of the TA must be presented upon arrival. No exceptions are made to the NETC policy.

Point of Contact:

Course Coordinator: Shandy Heil, CFM at 202-597-1311, shandy.heil@stantec.com

EMI POC: Prasad Inmula, Ph.D., P.E., CFM, at (301) 447-1374, Prasad.Inmula@fema.dhs.gov



TRAINING OPPORTUNITY