

# EMERGENCY MANAGEMENT INSTITUTE

NATIONAL EMERGENCY TRAINING CENTER • EMMITSBURG, MD 21727



FEMA

## Course: *E155 Building Design for Homeland Security*

**Dates:** April 6-8, 2010

### Course Description:

This course is designed to enhance student knowledge of measures and technology available to reduce risks from terrorist attacks. The course focus is on explosive blast; chemical, biological, and radiological attacks; and the best mitigation measures for site and building design and layout. To support the risk assessment process, the course introduces an easy-to-use Risk Assessment Database. This database is a stand-alone application that has functions, a folder to import and display digital photos, emergency plans, digital floor plans, and certain Geographical Information Systems (GIS) products.

### Course Goal:

1. Course covers the content of FEMA 426, Reference Manual to Mitigate Potential Terrorist Attacks Against Buildings, and FEMA 452, FEMA: A How-To Guide to Mitigate Potential Terrorist Attacks combining best practices among Federal agency publications for engineers and architects and other design professionals.
2. Understand the key elements of earthquake, floods, and high wind events as part of FEMA 452 risk assessment methodologies. A review of several checklists and a database addressing vulnerability issues for these hazards with a series of charts indentifying conflict and benefits of multi-hazard design.

### Prerequisite:

None

### Course Length:

3 full days. Travel days are Monday and Friday.

### Target Audience:

This course is intended for engineers, architects, and building officials involved in mitigation planning and design to protect people and property against man-made hazards. Secondary audiences include land-use planners, hazard mitigation specialists, consultants, academic staff, and other professionals involved in State and local planning and design efforts.

### Continuing Education Units (CEU's):

EMI awards 2.1 CEUs for completion of this course.

### Location:

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

### To Apply:

Complete a FEMA Form 75-5, General Admissions Application with student signature and signature of supervisor or sponsoring agency official. Submit the application through the State emergency management training office who will fax it to the National Emergency Training Center Admissions Office at (301) 447-1658.

For further enrollment information, please refer to the EMI web site at <http://training.fema.gov/Apply>. For course information, contact the EMI course manager, Dawn Warehime at (301) 447-1309, 1-800-238-3358 (ext. 1309), or email [Dawn.Warehime@dhs.gov](mailto:Dawn.Warehime@dhs.gov).

# TRAINING OPPORTUNITY