



E0102 Science of Disaster

Course Dates:

April 6–8, 2021

Travel Dates:

April 5 and April 9, 2021

Course Length:

This course is 3 days in length.

Location:

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

Course Description:

This course provides participants with an overview of the scientific principles and concepts that shape our increasingly dangerous world. The contents of the course include the following:

- Introduction to Science of Disasters provides a definition of and the benefits of a basic understanding of scientific principles.
- Earth Science describes how the Earth's design sets the stage for the world's natural hazards including earthquakes, volcanic eruptions, tsunamis, and landslides/sinkholes.
- Climatology describes the scientific basis of common atmospheric hazards including convective storms, tropical cyclones, and other hazardous weather.
- Chemical and biological basics identify the scientific basis of chemical and biological threats.
- Explosive, radiological, and nuclear fundamentals identify the scientific basis of those threats.

It is mandatory that participants complete all 16 hours of this course to receive full credit. Anything less will result in the participant's need to re-register for another course and start from the beginning.

Course Goal:

At the completion of this course, students will have a basic understanding of scientific principles which govern the world around us and control how hazards and disasters unfold.

Prerequisites:

Participants taking this course as part of the Basic Academy should first complete the E/L/K0101 Foundations of Emergency Management course (recommended, but not required). If a participant is taking this course solely for a better understanding of the science of disasters information, and not in fulfillment of the Academy requirements, there are no prerequisites.

Continuing Education Units (CEUs):

EMI awards 2.4 CEUs for completion of this course.

Target Audience:

This course is intended for newly appointed emergency managers from Federal, state, local, tribal, and territorial emergency management agencies, and prospective professionals transferring from another discipline to emergency management.

To Apply:

Apply for this course at [National Emergency Training Center Online Admissions Application](https://training.fema.gov/netc_online_admissions/) (https://training.fema.gov/netc_online_admissions/)

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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.

Travel and Housing Information:

NATIONAL EMERGENCY TRAINING CENTER (NETC) CAMPUS ACCESS – REAL ID ACT STANDARDS

Does your ID meet the REAL ID Act standards? Anyone entering the National Emergency Training Center (NETC) campus is required to show valid photo identification that meets REAL ID Act standards: <https://www.dhs.gov/real-id/real-id-frequently-asked-questions>. The purpose of the REAL ID Act is to stop terrorists from evading detection by using false identification. [Check to see if your state is compliant at https://www.dhs.gov/real-id.](#)

If your driver's license does not meet the requirements of the REAL ID Act, you will need to bring one of the following acceptable forms of identification:

- A valid U.S. passport or passport card
- A valid Federal employee, military, or veteran ID card
- A valid state-enhanced driver's license (Contact your state's motor vehicle department for availability.)

Students from non-compliant states (a regular driver's license from these states will not be accepted) who do not possess any acceptable form of identification may request a National Crime Information Center (NCIC) check from the NETC Security Office. Note: This is a one-time NCIC check. A successful NCIC check is valid for 180 days; within the 180-day timeframe, a student is expected to obtain a compliant form of identification.

Submit the following information to Jason.Cawthon@fema.dhs.gov in a password-protected document at least 3 weeks before your class:

- Your full name
- Date and place of birth
- Social Security Number

Students arriving at the NETC campus without a compliant ID or a successful NCIC criminal history check will be sent home at their own expense without receiving a stipend reimbursement.

Questions related to NETC campus access identification should be directed to Jason.Cawthon@fema.dhs.gov or 301-447-1513.

Please note - NETC Admissions will notify you of your acceptance into this course via email with an Acceptance Letter/Welcome Package.

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 the FEMA Student Identification System:](#) (<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 Point of Contact:

For Basic Academy course questions, contact the course manager, Jeff Januchowski at (301) 447-1383 or by email at jeffrey.januchowski@fema.dhs.gov or Richard Bashium at (301) 447-1629 or by e-mail at richard.bashium@fema.dhs.gov

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