



### Course: *L0102 Science of Disaster*

**Course Dates:**

July 29-31, 2019

**Travel Dates:**

July 28, 2019

**Course Length:**

This course is three days in length

**Location:**

Fresno Pacific University  
5 River Park Place West  
Fresno, CA 93720  
Room 327

**Course Description:**

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

- Introduction to Science of Disaster provides a definition and benefits of science.
- 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 identifies the scientific basis of chemical and biological threats.
- Explosive, radiological, and nuclear fundamentals identifies the scientific basis of those threats.

**Course Goal:**

At 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:**

If a participant is taking this course as part of the Academy, then he or she should take E0101, Foundations of Emergency Management, first (but not required). If a participant is taking this course on its own for its science information and not in fulfillment of the Academy requirements, there are no prerequisites.

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

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 adults.

**How to Register for the Course:**

**To Apply:**

Complete a FEMA Form 119-25-1, General Admissions Application form with student signature and signature of supervisor or sponsoring agency official. Submit the application through the Training Point of Contact, Daniel Scott.

Scan the QR Code, or click the link to get download the application:

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<http://training.fema.gov/Apply/>

**Out of State Students** must obtain the approval and signature of their Sponsoring Organization and their State Training Officer.

**Application Review:**

In order 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.

**Lodging Information:**

**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:

<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.

**Training Point of Contact:**

Daniel Scott, APS, NEMBA, NEMAA  
Emergency Management Coordinator  
559.240.9448  
danielscott@fuller.edu

**EMI Point of Contact:**

For additional information contact the course manager, Jeff Januchowski at (301) 447-1356 or by email at [jeffrey.januchowski@fema.dhs.gov](mailto:jeffrey.januchowski@fema.dhs.gov).



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