

L0-102: Science for Disasters

Date/Time

August 21-23, 2024; 8am-5pm daily

Location

FCEM&HS, 5300 Strawberry Farms Blvd., Columbus, OH 43230

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 Objectives

- Indicate how earth science principles and processes influence natural hazards, including earthquakes, volcanic eruptions, tsunamis, ground failures, and floods.
- Indicate how climatological principles and processes influence natural hazards, including convective storms, tropical cyclones, nor'easters, winter storms, temperature extremes, and droughts.
- Indicate how chemical and biological principles and processes influence natural and human-caused hazards and impact society.
- Indicate the scientific basis for explosive, radiological, and nuclear hazards and their impact on society.
- Indicate how scientific understanding can improve emergency preparedness.

Prerequisites

Recommended: IS 0100.b, Introduction to the Incident Command System, ICS 120.a., An Introduction to Exercise; IS-200.b., ICS for Single Resources and Initial Action Incidents; IS-230.d, Fundamentals of Emergency Management; IS-700.a, National Incident Management System, An Introduction; and IS-800.b, National Response Framework, An Introduction

Minimum/Maximum Students

20-40

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Registration Form

Name: _____

Organization: _____

Title: _____

Address: _____

City: _____ Zip: _____

Phone: _____ Email: _____

*FEMA SID#: _____

Location of training:

FCEM&HS

5300 Strawberry Farms Blvd.

Columbus, OH 43230

Completed forms can be emailed to pktickle@franklincountyohio.gov

Or, register via the FCEM&HS website: <https://fcmhs.org/Training-Exercises/Training-Registration-Form>

Upon receipt of your registration, you will be sent an email confirmation with a link to the class on the NETD website where you will complete your registration. *You will need a FEMA Student Identification Number. If you cannot remember your number or need to create one, please visit this website:

<https://cdp.dhs.gov/FEMASID>