

L0102

Science of Disaster

Course Description

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

- 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 that 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 that 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.

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.

Prerequisites

Participants must complete the following courses to enroll:

- IS-100.a Introduction to the Incident Command System
- IS-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
- IS-800.b National Response Framework, An Introduction

Classes may be taken at <http://training.fema.gov>.

Course Completion

Participants who actively participate, attend the entire course, and successfully complete the course receive a Certificate of Completion.

Date(s) & Time(s)

October 3-5, 2022

8am-5pm MT

Register by: September 19, 2022

*Training begins promptly on time.
Lunch will be on your own.

Location

Boise, ID

*specific location information will be shared prior to the course.

Registration

Pre-registration is required.
Walk-ins are not accepted.

Register at

www.idahoprepares.com AND
[https://training.fema.gov/
netc_online_admissions/](https://training.fema.gov/netc_online_admissions/).

Course Tuition

- This training is DHS/FEMA grant eligible.
- All local responder agencies should contact their respective County/ Tribal Emergency Manager. State agencies should contact IOEM Training.
- There is no cost for this class.

State Contact

Londa Huwa

Training & Exercise Specialist

208-258-6509

luwa@imd.idaho.gov

