

L0102 Science of Disaster

Location: Union County Fire/EMS Academy
1075 Edward Street
Linden, NJ 07036



Dates: Wednesday, September 29, 2021 (Day 1)
Thursday, September 30, 2021 (Day 2)
Friday, October 01, 2021 (Day 3)

Time: 8:30 a.m. - 4:30 p.m.

Course Length:

Three days, 24 hours. A student **must attend** all 3 days to receive credit for the L0102 course.

Course Overview:

This course in the National Emergency Management Basic Academy is designed to provide 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.

Prerequisites:

If a participant is taking this course as part of the Academy, then he or she should take E/L0101, Foundations of Emergency Management, first (but not required).

National Emergency Management Basic Academy Description:

The National Emergency Management Basic Academy is a gateway for individuals pursuing a career in emergency management. Similar to basic academies operated by the fire service and law enforcement communities, the National Emergency Management Basic Academy will provide a foundational education in emergency management.

The goal of the Basic Academy is to support the early careers of emergency managers through a training experience combining knowledge of all fundamental systems, concepts, and practices of cutting-edge emergency management.

The Basic Academy consists of the following classroom courses:

E/L0101, *Foundations of Emergency Management* (40 hours) 5 days

E/L0102, *Science of Disaster* (24 hours) 3 days

E/L0103, *Planning: Emergency Operations* (16 hours) 2 days

E/L0146, *Homeland Security Exercise and Evaluation Program (HSEEP)* (16 hours) 2 days

E/L0105, *Public Information and Warning* (24 hours) 3 days

Total Course Hours: 120 hours

Target Audience:

The National Emergency Management Basic Academy is designed for newly appointed emergency managers with less than three years of experience, including members of State, local, tribal, and territorial homeland security or emergency services programs; Nongovernmental organizations, voluntary agencies, or professional organizations; Private sector emergency management offices; College or university emergency management staff; and FEMA, federal partners, military and emergency managers at other departments or agencies.

Selection Criteria:

Applicants will be selected based on properly completed applications, completed prerequisites, and whole community representation. **Class size is limited to 25 students.**

Lodging Information:

There are several options for lodging within 5 miles of the classroom. Please research the area if you seek lodging.

Registration Information:

Registration is required to attend this course. Please use the [NJOEM Training Application](#). Fill out the application completely and correctly with student signature and signature of supervisor or sponsoring agency official. Then, scan your application along with prerequisites, and send to FieldTrainingUnit@njsp.org. Missing and/or incomplete information will not be accepted and will disqualify your application from the selection process. You will receive a class confirmation via email prior to the class start date.

Applications must be received by September 17th, 2021 for consideration to attend.

For questions or concerns, please contact the NJOEM Training & Exercise Unit.

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