

**Course:** L0102- Science of Disaster

**Location:** Salem County Office of Emergency Management  
135 Cemetery Road,  
Woodstown, NJ 08098



**Dates:** February 21st, 2023, February 23rd, 2023 (Tuesday & Thursday nights)  
February 28th, 2023, March 2nd, 2023 (Tuesday & Thursday nights)  
March 7th, 2023, March 9th, 2023 (Tuesday & Thursday nights)

**Time:** 06:30 PM to 10:30 PM

**Course Length:**

Six nights, 24 hours. A student must attend all 6 nights 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 Basics* (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 30 students.**

**Registration Information:**

Please register by filling out the [NJOEM Training Registration \(arcgis.com\)](https://arcgis.com). All prerequisites/certificates must be upload in as a **single PDF file** (prior to upload, scan all documents together). Emailed PDF or missing and/or incomplete information will not be accepted and will disqualify your application from the selection process. You will receive a “Welcome Email” prior to the class start date. **Applications must be received by February 7th, 2023, for consideration to attend.** For questions or concerns, please contact the NJOEM Training & Exercise Unit: [FieldTrainingUnit@njsp.org](mailto:FieldTrainingUnit@njsp.org)