



## Special Hazards Systems Level I Content Outline

(Updated Exam Release Date Fall 2026)

### Technician Trainee

The candidates for NICET certification at Level I in Special Hazards Systems should have the knowledge, experience and basic skills needed to work in the industry. Under the direct supervision of a qualified technician, they identify wiring and devices and determine their purposes. They read and measure quantities, read drawings, and mount and remove devices and piping. Level I technicians have at least 6 months experience in special hazards systems.

#### 1.1 Inspection, Testing, and Maintenance

(Questions related to these tasks make up 35-45% of the exam.)

- 1.1.1 Identify system type and components. 1, 3, 4, 7, 8, 11
- 1.1.2 Check the locations of an existing system's detection, control, and mechanical components for changes. 3, 4, 11
- 1.1.3 Visually inspect a site's construction features for changes. 1, 4, 7, 10
- 1.1.4 Activate alarm initiating devices of a special hazard system. 1, 3, 8
- 1.1.5 Determine whether container's agent quantity and/or pressure is within the documented range. 1, 4, 9
- 1.1.6 Inspect clean agent cylinders and their discharge hoses for corrosion, physical damage, and hydrotest status. 4, 5, 6
- 1.1.7 Visually inspect piping and hangers for physical damage. 1, 4

#### 1.2 Repair and Recharge

(Questions related to these tasks make up 7-17% of the exam.)

- 1.2.1 Replace damaged wires. 2, 3, 15
- 1.2.2 Replace damaged mechanical system components. 1, 4

#### 1.3 Installation

(Questions related to these tasks make up 15-25% of the exam.)

- 1.3.1 Obtain installation information from shop drawings. 3, 4, 8, 11, 16
- 1.3.2 Install raceways and conduit. 2, 4
- 1.3.3 Install piping for a special hazards system. 1, 3, 4
- 1.3.4 Install air sampling piping. 3
- 1.3.5 Mount special hazards system components. 1, 4

#### 1.4 System Design and Configuration

(Questions related to these tasks make up 8-18% of the exam.)

- 1.4.1 Derive installation information from architectural and engineering plans and specifications. 3, 4
- 1.4.2 Identify basic electrical units and components. 3, 15
- 1.4.3 Identify the purposes of standards, codes, specifications, and manufacturer-specific listings and what professions and/or roles are involved in establishing and enforcing their use. 1, 2, 3, 4, 7

#### 1.5 Safety

(Questions related to these tasks make up 10-20% of the exam.)

- 1.5.1 Practice personal safety on the job site. 3, 12, 13, 14, 15

March 17, 2026      Footnote number is linked to a reference on the General References listing