Special Hazards Systems
Level I Content Outline

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 of experience in special hazards systems.

1.1 Inspection, Testing, and Maintenance
(Questions related to these tasks make up 43-49% of the exam.)
1.1.1 Identify system type and components. 1, 3, 4, 8, 10
1.1.2 Check the locations of an existing system’s detection, control, and mechanical components for changes. 3, 4, 10
1.1.3 Visually inspect a site’s construction features for changes. 1, 4, 10
1.1.4 Activate alarm initiating devices of a special hazard system. 1, 3
1.1.5 Determine whether container’s agent quantify and/or pressure is within the documented range. 1, 4, 7, 9
1.1.6 Inspect 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, 6

1.2 Repair and Recharge
(Questions related to these tasks make up 6-12% of the exam.)
1.2.1 Replace damaged wires. 2, 3, 13
1.2.2 Replace damaged mechanical system components. 1, 4

1.3 Installation
(Questions related to these tasks make up 22-28% of the exam.)
1.3.1 Obtain installation information from shop drawings. 3, 4
1.3.2 Install raceways and conduit. 2
1.3.3 Install piping for a special hazards system. 1, 3, 4, 6
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 11-17% of the exam.)
1.4.1 Derive installation information from architectural and engineering plans and specifications. 3, 4, 6
1.4.2 Identify basic electrical units and components. 3, 13
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, 3, 4

1.5 Work Management
(Questions related to these tasks make up 0% of the exam.)
No tasks at this Level.

1.6 Safety
(Questions related to these tasks make up 11-17% of the exam.)
1.6.1 Practice personal safety on the job site. 3, 11, 12, 13

September 1, 2021 footnote number is linked to a reference on the Selected General References listing