

## **NAPTA RECOMMENDED LEARNING OUTCOMES**

### **PROCESS SAFETY, HEALTH & ENVIRONMENT**

1. Recognize and identify the various types of Safety, Health and Environmental hazards in a plant environment and discuss the consequences of these hazards.
2. Demonstrate knowledge of the various types of hazard controls (administrative, engineering, personal protective equipment) and discuss methods of applying these controls.
3. Identify the fourteen elements of PSM (Process Safety Management) and discuss how they work together for the safety of plant personnel.
4. Discuss how to respond to various types of emergencies (fires, spills, vapor releases, natural disasters, etc.).
5. Discuss the vulnerabilities, risks and threats associated with the process industries (terroristic, cyber security, workplace violence, suspicious activities, etc.).