



South Central College

## ICP 2090 Hazardous Materials

### Course Outcome Summary

#### Course Information

<b>Description</b>	This course is designed to meet the training standards designed in NFPA473 "Standards for Competencies of EMS Personnel Responding to Hazardous Materials Incidents". The class combines didactic training with audio-visual materials that will provide a review of pertinent "awareness" level information. To insure a safe EMS response to a hazardous materials situation at the Operations Level, additional information and practical laboratory time will be provided as necessary.
<b>Total Credits</b>	1
<b>Total Hours</b>	16

#### Types of Instruction

Instruction Type	Credits/Hours
Classroom Presentation	

#### Pre/Corequisites

Permission of the Instructor.

#### Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

#### Course Competencies

##### 1. Analyze a hazardous materials incident to determine the magnitude of the problem in terms of outcomes

###### Learning Objectives

Survey the hazardous materials incident to identify the containers and materials involved, determine whether hazardous materials have been released and evaluate the surrounding conditions

Collect hazard and response information from MSDS; CHEMTREC/CANUTEC/SETIQ; local, state, and federal authorities; and shipper/manufacturer contacts

Predict the likely behavior of a material as well as its container  
Estimate the potential harm at a hazardous materials incident

**2. Plan an initial response within the capabilities and competencies of available personnel, personal protective equipment, and control equipment**

**Learning Objectives**

Describe the response for hazardous materials incidents  
Describe the defensive options available for a given response objective  
Determine whether the personal protective equipment provided is appropriate for implementing each defensive option  
Identify the emergency decontamination procedures

**3. Implement the planned response to favorably change the outcomes consistent with the local emergency response plan and the organization's standard operating procedures**

**Learning Objectives**

Establish and enforce scene control procedures including control zones, emergency decontamination, and communications  
Initiate an incident management system (IMS) for hazardous materials incidents  
Understand the limitations of the average EMS responder regarding limited manpower, equipment, resources, etc.  
Perform defensive control functions identified in the local emergency response plan of action

**4. Evaluate the progress of the actions taken to ensure that the response objectives are being met safely, effectively, and efficiently**

**Learning Objectives**

Evaluate the status of the defensive actions taken in accomplishing the response objectives  
Communicate the status of the planned response

**SCC Accessibility Statement**

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: [www.southcentral.edu/disability](http://www.southcentral.edu/disability)

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.