

MODULE OVERVIEW

This module provides an overview of fire hazards in machine shops. It presents information on how to identify hazardous situations that can lead to a fire, and how to prevent them. You will learn about different types of fire extinguishers what to do in case of emergency. You will learn how to assess a shop for fire hazards using a checklist.

OBJECTIVES

After completing this module, you will be able to:

- Determine which items and situations increase the risk of fire.
- Identify and correct fire safety issues in machine shops.
- Explain the steps in using a fire extinguisher works and how to decide when to fight a fire.
- Identify resources to create an emergency action plan.

CLASSROOM

PowerPoint presentations:

- **Fire Safety – Part 1 - Fire Hazards and Controls**
- **Fire Safety – Part 2 - Fire Extinguishers and Emergency Planning**

LAB

Evaluate the shop for fire hazards using provided checklist. Identify location of evacuation in case of emergency. Learn how to use a spill clean-up kit.

HOMEWORK on D2L

- **Fire Safety – Homework.pdf** – Create an Emergency Action Plan for a machine shop. Interview an experienced machinist about his/her experience with fire in a shop.
- **Quiz**

ADDITIONAL RESOURCES

“I want to know more” – folder – emergency exits & combustible dust fact sheets, welding area checklist, aluminum dust-related fire report.

