

## **EV-230 Transportation of Hazardous Materials**

3 Credit Hours

*Prerequisites: EV-100 Occupational Safety and EV-200 Waste and Remediation*

This course provides a detailed study of the U.S. Department of Transportation (DOT) regulations. Additionally, students shall be introduced to certain Nuclear Regulatory Commission and Environmental Protection Agency regulations pertinent to hazardous materials transportation.

The course includes problems and case studies in which the student identifies and interprets applicable DOT regulations and recommends compliance strategies. In addition, students gain a practical understanding of DOT issues through interviews with local professionals in hazardous materials handling.

Emphasis is placed on reading, interpreting, and summarizing sections from the Code of Federal Regulations (CFR).

### **Course Objectives**

At the end of this course, you should be able to:

1. Use 49 CFR, especially the Hazardous Materials Table, in order to apply the regulations in later lessons. Additionally, know the role of the DOT in hazardous materials transportation.
2. Select the packaging, labeling, documentation, and placarding for selected hazardous materials.
3. Determine the shipping requirements for various hazardous materials.
4. Given an actual hazardous material accident, outline the reporting procedures, including filling out DOT's Incident Report Form.
5. Recognize the safety considerations for transporting radioactive materials packages.