

**Course Objectives/Course Outline**  
**Spokane Community College**

---

---

**Course Title:** Introduction to Industrial Safety and Hygiene

**Prefix and Course Number:** ABF 233

---

**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

- Demonstrate safety practice to avoid fire and explosion
- Control measures used when working with air contaminants and hazardous waste
- Practice safety procedures in the lab
- Operate tools and equipment safely in the lab

**Course Outline:**

- I. Personal Safety and Health Protection
  - A. Air Passages and Lungs
  - B. Head Protection
  - C. Hand and Foot Protection
- II. Environmental Controls
  - A. Ventilation
  - B. Carbon Monoxide
  - C. Solvents
  - D. Lead and Dust
- III. Working with Solvents and Other Flammable Liquids
  - A. Storage
  - B. Noxious Fumes
  - C. Cleaning
  - D. Fire Protection
- IV. Protective Equipment
  - A. Respirators
  - B. Dust Masks
- V. Hand and Power Tool Operation
  - A. Air Sanders
  - B. Compressors
  - C. Spray Guns
  - D. Buffers
  - E. Polishers