

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: SAF 130

Credits: 1

Course Title: Industrial Safety – OSHA-10

Course Description: Presents an introduction to occupational health and safety and its application in the workplace. Emphasizes safety standards and the Occupational Safety and Health Act (OSHA), its rules and regulations (OSHA 10). Lecture 1 hour per week.

General Course Purpose: Required for the Welding Career Studies Certificate, this course provides the student with introductory information and hands-on experience in safety and OSHA regulations.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Explain the importance of OSHA in providing a safe and healthy workplace;
- b. Explain employer responsibilities, employee rights, and how to identify, abate, avoid, and prevent job-related industry hazards;
- c. Identify fall hazards and caught in or between hazards in construction;
- d. Identify struck-by hazards in construction;
- e. Identify electrocution hazards in construction;
- f. Identify hazards and best practices associated with hand and power tools.

Major Topics to Be Included:

- a. Introduction to OSHA
- b. Struck and Caught Hazards
- c. Electrical Safety
- d. Fall Protection
- e. Ladder Safety
- f. Personal Protective Equipment (PPE)
- g. Permit-Required Confined Space Entry

Date Created/Updated (Month, Day, Year): August 1, 2018