Department:

Industrial Welding Technology

Course Description:

This course will provide information on safety issues, equipment, and procedures in the field of industrial welding. The course will cover job and site hazards, safety precautions, personal protective equipment, procedures, and practices. Fire prevention techniques will also be covered.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Describe job and site hazards and safety precautions.
2. Explain and demonstrate the uses of personal protective equipment (PPE).
3. Identify safety equipment and explain procedures and practices necessary for a safe work environment.
4. Describe fire prevention and protection techniques.
5. Explain the purpose of the Hazardous Communications (HazCom) program and use Material Safety Data Sheets (MSDS).

Course Content:

A. Safety Overview
   1. Introduction to OSHA
   2. Safety and health program
   3. General industry hazards

B. Hazardous Materials Identification System (HMIS)
   1. Material Safety Data Sheets
   2. Color coding
   3. Numbering systems

C. Personal protective equipment (PPE)
   1. Burns
   2. Head and eye protection

D. Fire protection
   1. Fire watch
   2. Hot work permit

Learning Assessments:

Course competencies will be assessed by quizzes, tests, project work, demonstrations, observation, assignments, and written papers.
IWT 105 - Welding Safety
Prerequisite: None
1 Credit Hour (Lecture)

Instructional Materials:

ISBN: 9780826930514

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.