

Iowa SENSE Aligned Welding Curriculum

General Course Info

Course Number (type # only):	228
Discipline:	WEL – Welding
Course Title:	Introduction to Welding, Safety and Health of Welders: SENSE 1
Short Title (29 char limit):	Welding Safety/ Health: SENSE1
Course Description:	This course will provide students with orientation to the welding profession and will cover the basics of safety & health within the welding profession. This course aligns to SENSE Level 1, Module 1 and Module 2 – Key Indicators 1-6.
Credit Hours:	1
Pre/Co-requisites:	None

Course Competencies

Course Competencies:	<ol style="list-style-type: none"> 1. Understands the function of a welder in industry including knowledge of shop operations 2. Demonstrates proper safe operation practices in the work area, as described in ANSI Z 49.2 Section 4, Protection of personnel and the general area & ANSI Z 49, Part 1 General Aspects and applicable OSHA regulations.
Course Sub-Competencies:	<ol style="list-style-type: none"> 1.1 Creates time or job cards, reports or records. 1.2 Performs housekeeping duties 1.3 Follows verbal instructions to complete work assignments 1.4 Follows written instructions to complete work assignments 2.1 Demonstrates proper use and inspection of personal protection equipment (PPE) 2.2 Demonstrates proper safe operation practices in the work area 2.3 Demonstrates proper use and inspection of ventilation equipment 2.4 Demonstrates proper Hot Zone operation 2.5 Demonstrates proper work actions for working in confined spaces 2.6 Demonstrates proper use of precautionary labeling and SDS information

Assessment of Student Learning

SENSE Assessment:	<ol style="list-style-type: none"> 1. Instructor observation of safe operational practices 2. Sense Module 2 Test (ANSI Z 49.1)
Third Party Certification:	None