



**HTW-1.0**                      [Hot Work: Arc Welding](#)

Series/Catalog:                      General Industry Series

Linear Duration/min:                      00:22:00                      Origin Date:    01/08  
Interactivity:                      Level II                      Last Update:    09/08  
Supervising SME:    Laura Belden

Course Description:                      Hot work, which includes torch cutting and welding, carries its own set of workplace hazards. Upon completion of this learning event, employees will demonstrate knowledge of the hazards associated with arc welding hot work and how to protect themselves from them. Employees will learn about burns, fumes and gases, electric shock, fire and noise hazards. This course is provided to assist the employer in meeting the requirements of OSHA Standard 29 CFR 1910.252, General Requirements and 254, Arc Welding and Cutting. In addition to this course, the employer might also provide courses on [Compressed Gas Safety](#), [Fire Safety](#) and [Portable Fire Extinguishers](#).

Relevant Standards:                      OSHA 29 CFR 1910.251, 252, and 254

Complexity/Difficulty:                      Level I (very easy)

Target Audience:                      This course is intended for employees who perform hot work, including welding, brazing and torch cutting, as part of their regular work duties.

Prerequisites:                      None

**Competencies**

**Competency Statement**

To successfully complete this course, the Learner will demonstrate the ability to:

HTW-1.1.0	Introduction and objectives	
HTW-1.2.0	Recognize the hazards associated with welding	0:02:08
HTW-1.3.0	Describe how to protect against burns	0:04:42
HTW-1.4.0	Describe how to protect against fumes and gases	0:03:02
HTW-1.5.0	Describe how to protect against electric shock	0:02:27
HTW-1.6.0	Describe how to protect against fire	0:02:27
HTW-1.7.0	Describe how to protect against noise	0:00:45
HTW-1.8.0	Identify the special hazards associated with engine-powered welders	0:01:05

References:    OSHA Standard 29 CFR 1910.251, 252, and 254



## SafetySkills™ Course Syllabus