

# Washtenaw Community College Comprehensive Report

## UAT 353 ASME Section IX Welding Code

Effective Term: Spring/Summer 2016

### Course Cover

**Division:** Advanced Technologies and Public Service Careers

**Department:** United Association Department

**Discipline:** United Association Training

**Course Number:** 353

**Org Number:** 28200

**Full Course Title:** ASME Section IX Welding Code

**Transcript Title:** ASME Section IX Welding Code

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Web Page

**Reason for Submission:** Course Change

**Change Information:**

**Consultation with all departments affected by this course is required.**

**Course description**

**Credit hours**

**Total Contact Hours**

**Outcomes/Assessment**

**Rationale:** Change credit hours, contact hours, assessment date and text.

**Proposed Start Semester:** Fall 2015

**Course Description:** In this course, students will learn to teach welding procedure specifications and welder qualifications in accordance with Section IX of the ASME Code at their local. Participants will be able to apply the rules of Section IX as they pertain to the development of welding procedure specifications and welder qualifications. A logical approach to compliance with Section IX is discussed and implemented in an open workshop environment. Limited to United Association Instructor Training program graduates.

### Course Credit Hours

**Variable hours:** No

**Credits:** 1

**Lecture Hours: Instructor: 15 Student: 15**

**The following Lab fields are not divisible by 15: Student Min, Instructor Min**

**Lab: Instructor: 5 Student: 5**

**Clinical: Instructor: 0 Student: 0**

**Total Contact Hours: Instructor: 20 Student: 20**

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

**Audit**

**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

### College-Level Reading and Writing

College-level Reading & Writing

### College-Level Math

### Requisites

### General Education

**Degree Attributes**

Below College Level Pre-Reqs

## **Request Course Transfer**

**Proposed For:**

## **Student Learning Outcomes**

1. Explain to journey-people and apprentices ASME welding code concepts.

### **Assessment 1**

**Assessment Tool:** Teaching demonstration

**Assessment Date:** Fall 2015

**Assessment Cycle:** Every Three Years

**Course section(s)/other population:** All

**Number students to be assessed:** 75% of all students

**How the assessment will be scored:** Departmentally-developed rubric

**Standard of success to be used for this assessment:** 75% of the students will score an average of satisfactory or above

**Who will score and analyze the data:** UA faculty

2. Describe the welder qualifications outlined in Section IX of the ASME code.

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3. Apply ASME Section IX code to welding course instructional material.

### **Assessment 1**

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**Who will score and analyze the data:** UA faculty

## **Course Objectives**

1. Explain welding code basic concepts.
2. Describe welding procedures as dictated by code.
3. Apply rules of ASME Section IX code to welding procedures in the lab.
4. Identify the qualification for welders outlined in Section IX of the ASME code.
5. Explain to journeymen and apprentices welding certification requirements.

## **New Resources for Course**

### **Course Textbooks/Resources**

Textbooks

Manuals

Periodicals

Software

### **Equipment/Facilities**

Level III classroom

<b><u>Reviewer</u></b>	<b><u>Action</u></b>	<b><u>Date</u></b>
<b>Faculty Preparer:</b> <i>Justin Carter</i>	<i>Faculty Preparer</i>	<i>Jul 29, 2015</i>
<b>Department Chair/Area Director:</b> <i>Scott Klapper</i>	<i>Recommend Approval</i>	<i>Jul 30, 2015</i>
<b>Dean:</b> <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Aug 03, 2015</i>
<b>Curriculum Committee Chair:</b> <i>Kelley Gottschang</i>	<i>Recommend Approval</i>	<i>Oct 06, 2015</i>
<b>Assessment Committee Chair:</b> <i>Michelle Garey</i>	<i>Recommend Approval</i>	<i>Oct 11, 2015</i>
<b>Vice President for Instruction:</b> <i>Michael Nealon</i>	<i>Approve</i>	<i>Oct 23, 2015</i>