

Washtenaw Community College Comprehensive Report

UAT 219 Introductory ATR Training Effective Term: Spring/Summer 2016

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 219

Org Number: 28200

Full Course Title: Introductory ATR Training

Transcript Title: Introductory ATR Training

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.

Outcomes/Assessment

Rationale: Change credit hours and contact hours.

Proposed Start Semester: Spring/Summer 2014

Course Description: In this course, students will be introduced to the fundamentals of the UA Welder Certification Program. Participants will develop the knowledge and skills to perform the duties and responsibilities of an authorized testing representative (ATR) as defined in the program, from administrative functions, to performing visual inspections of welded coupons, to determining their acceptability, and verifying compliance of radiographic examinations. At the conclusion of this course, the student will be ready to complete the UA ATR examination. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 Student: 30

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

Lab: Instructor: 10 Student: 10

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 40 Student: 40

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

Enrollment Restrictions

Must have a visual acuity examination document completed by a doctor prior to attending the class. This document must be brought to class.
and

Enrollment Restrictions

High school diploma or equivalent
and

Enrollment Restrictions

Minimum 7 years UA Journeyman experience or completion of UA's Apprenticeship program
and 2 years UA Journeyman experience.
and

Enrollment Restrictions

Minimum 2 years experience in UA welding instruction.
and

Enrollment Restrictions

Letter of recommendation from Local Union Management.

General Education**Degree Attributes**

Below College Level Pre-Reqs

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Conduct a UA welding certification lab and execute the responsibilities of an Authorized Testing Representative.

Assessment 1

Assessment Tool: Skill assessment

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skill checklist with rubric

Standard of success to be used for this assessment: 75% of students will achieve 75% or above.

Who will score and analyze the data: Departmental faculty

2. Recognize the requirements and responsibilities of a UA Authorized Testing Representative according to the UA quality manual.

Assessment 1

Assessment Tool: Written exam

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 75% of students will achieve 75% or above.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Identify important information about the administration of the UA welding program.
2. Identify how ASME codes, B31.1, B31.3 Section IX, and Section V relate to the qualifications of UA welders.
3. Identify the responsibilities of an Authorized Testing Representative.
4. Explain the requirements of administering a welding test.
5. Properly complete and assemble documents for an anticipated welding test.
6. Explain proper record keeping procedures to comply with required industry standards and privacy laws.

7. Explain how an ATR interfaces with contractors before, during and after a testing event.
8. Evaluate materials to determine if they contain all required information to use for a welding test.
9. Explain proper UA Test Facility operations per the facility's quality assurance manual.
10. Identify ATR candidate requirements.
11. Complete a visual acuity exam, performed by a doctor, prior to attending the ATR class.
12. Complete a set of continuity records.
13. Identify the requirements of refresher training for an ATR.
14. Successfully complete the UA ATR examination.
15. Navigate and set up a test facility program on the UA intranet site.
16. Evaluate weld test assemblies.
17. Complete UA member's ATR document package.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Justin Carter</i>	<i>Faculty Preparer</i>	<i>Jun 15, 2015</i>
Department Chair/Area Director: <i>Scott Klapper</i>	<i>Recommend Approval</i>	<i>Jun 17, 2015</i>
Dean: <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Jun 18, 2015</i>
Curriculum Committee Chair: <i>Kelley Gottschang</i>	<i>Recommend Approval</i>	<i>Sep 29, 2015</i>
Assessment Committee Chair: <i>Michelle Garey</i>	<i>Recommend Approval</i>	<i>Sep 29, 2015</i>
Vice President for Instruction: <i>Michael Nealon</i>	<i>Approve</i>	<i>Oct 06, 2015</i>