

Washtenaw Community College Comprehensive Report

UAT 218 AWS-CWI Recertification (UA 8039) Effective Term: Spring/Summer 2018

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 218

Org Number: 28200

Full Course Title: AWS-CWI Recertification (UA 8039)

Transcript Title: AWS-CWI Recertification 8039

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: New Course

Change Information:

Rationale: New UAT course

Proposed Start Semester: Spring/Summer 2018

Course Description: In this course, students will be introduced to the American Welding Society-Certified Weld Inspector (AWS-CWI) re-certification qualification process. Students will review the AWS-QC1 (Quality Control) documents and standards. An emphasis will be placed on the duties and responsibilities involved in maintaining credentials. Students will also be introduced to other types of AWS re-certifications available while becoming familiar with the documentation necessary. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 1.5

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

Lecture Hours: Instructor: 22.5 Student: 22.5

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

Lab: Instructor: 1.5 Student: 1.5

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 24 Student: 24

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. Demonstrate responsibilities and procedures to maintain AWS-CWI certification credentials and qualifications.

Assessment 1

Assessment Tool: Skills demonstration

Assessment Date: Spring/Summer 2018

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills demonstration checklist

Standard of success to be used for this assessment: 90% of students will score 100%

Who will score and analyze the data: U.A. training coordinator

2. Document and complete the AWS-CWI nine year re-certification package.

Assessment 1

Assessment Tool: Written exam

Assessment Date: Spring/Summer 2018

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: 90% of the students will score 100%

Who will score and analyze the data: U.A. instructor (proctor for American Welding Society)

Course Objectives

1. Identify QC1 and 85.1 requirements needed for re-certification according to American Welding Society (AWS).
2. Review the required professional development hours (PDH) and teaching hours for CWI to be eligible for re-certification.
3. Identify the endorsed hands-on testing procedures, including facilities and certified, calibrated, testing equipment needed.
4. Compare and contrast the requirements for initial CWI certification to the requirements needed for re-certification and its duration.
5. Validate completion of re-certification packet for applicants.
6. Identify all safety procedures and personal protection equipment (PPE) needed for completion of weld inspection and its importance at the testing center and on the jobsite.

New Resources for Course

Course Textbooks/Resources

Textbooks

American Welding Society . *AWS QC1 Manual* , 2007 ed. American Welding Society , 2007

Manuals

Periodicals

Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Tony Esposito</i>	<i>Faculty Preparer</i>	<i>Dec 01, 2017</i>
Department Chair/Area Director: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Jan 03, 2018</i>
Dean: <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Jan 08, 2018</i>
Curriculum Committee Chair: <i>David Wooten</i>	<i>Recommend Approval</i>	<i>Apr 04, 2018</i>
Assessment Committee Chair: <i>Michelle Garey</i>	<i>Recommend Approval</i>	<i>Mar 28, 2018</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Apr 07, 2018</i>