

## Washtenaw Community College Comprehensive Report

### IWA 241 Advanced Reinforcing Ironwork Proposed start term: Fall 2010

#### Course Cover

**Division:** Vocational Technologies  
**Department:** United Association Department  
**Discipline:** International Association of Iron Workers  
**Course Number:** 241  
**Org Number:** 19100  
**Full Course Title:** Advanced Reinforcing Ironwork  
**Transcript Title:** Advanced Reinforcing Ironwork  
**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 course in the articulation agreement with the Ironworkers' Local Union No. 25  
**Proposed Start:** Fall 2010

**Course Description:** This course continues training for reinforcing ironwork with emphasis on ACI codes 318 and 117 and the CRSI Manual of Standard Practices. Students will focus on unbonded mono-strand and bonded post tensioning installations, stressing, blueprints and troubleshooting. This course is only available for Ironworker apprentices through the Local 25 training center.

#### Course Credit Hours

**Variable hours:** No  
**Credits:** 7  
**Lecture Hours: Instructor: 105 Student: 105**  
**Lab: Instructor: 0 Student: 0**  
**Clinical: Instructor: 0 Student: 0**  
**Other: Instructor: 0 Student: 0**  
**Total Contact Hours: Instructor: Student:**  
**Repeatable for Credit:** NO  
**Grading Methods:** Letter Grades  
**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

#### College-Level Reading and Writing

College-level Reading & Writing

#### Requisites

##### **Enrollment Restrictions**

This course is taught at the Ironworkers 25 training center and is only open to apprentices accepted into a program.

#### General Education

##### **Request Course Transfer**

**Proposed For:**

#### Student Learning Outcomes

1. Identify re-steel codes and standard practices.

**Assessment 1**

*ln* logged 3/11/10 sjr

**Assessment Tool:** Training center instructors and contractors (employers) provide paper feedback evaluation forms for apprentice skill performance reviews.

**Assessment Date:** Fall 2012

**Assessment Cycle:** Every Three Years

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

**Number students to be assessed:** All

**How the assessment will be scored:** Apprentice evaluation feedback forms are filled out by the employing contractor and Joint Apprentice Training Committee (JATC) instructor.

**Standard of success to be used for this assessment:** The standard of success is set by the local Joint Apprentice Training Committee (JATC) in accordance with national and regional standards.

**Who will score and analyze the data:** The data is analyzed by the Joint Apprentice Training Committee (JATC) as a committee.

2. Recognize and apply the objectives of the Un-Bonded Post Tensioning Certification exam.

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3. Recognize and apply the objectives of the Bonded Post Tensioning Certification exam.

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### Course Objectives

1. Objectives and methods of evaluation follow the curriculum set out by the Joint Apprentice Training Committee (JATC).

**Methods of Evaluation**

Other

**Additional Evaluation Information:** This course is assessed externally by the local's Joint Apprentice Training Committee (JATC) consisting of industry representatives and Ironworker members. The local receives feedback on needed technical updates and apprentices' skill

performance.

**Matched Outcomes**

1. Identify re-steel codes and standard practices.

**New Resources for Course**

**Course Textbooks/Resources**

Textbooks

Manuals

Periodicals

Software

Other

**Equipment/Facilities**

Other: Ironworkers Local 25 Training Center