

## Washtenaw Community College Comprehensive Report

### IWA 120 Introduction to Ironwork Proposed start term: Fall 2010

#### Course Cover

**Division:** Vocational Technologies

**Department:** United Association Department

**Discipline:** International Association of Iron Workers

**Course Number:** 120

**Org Number:** 19100

**Full Course Title:** Introduction to Ironwork

**Transcript Title:** Introduction to 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 with the Ironworkers' Union Local 25

**Proposed Start:** Fall 2010

**Course Description:** This course is an introduction to ironworking for new apprentices. Course topics include job safety and health, blueprints and mathematics for ironworkers. Students will be introduced to oxy-acetylene cutting and safety in the classroom before completing hands-on assignments. This course is only available for Ironworker apprentices through the Local 25 training center.

#### Course Credit Hours

**Variable hours:** No

**Credits:** 3

**Lecture Hours: Instructor: 45 Student: 45**

**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. Recognize the national and state Occupational Safety and Health Act (OSHA) standards and meet

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industry safety certification requirements.

**Assessment 1**

**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. Identify proper first aid/CPR procedures for given scenarios.

**Assessment 1**

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**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).

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

3. Read and interpret trade specific drawings.

**Assessment 1**

**Assessment Tool:** Objectives and methods of evaluation follow the curriculum set out by the Joint Apprentice Training Committee (JATC).

**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).

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

4. Apply mathematical skills and formulas to solve problems.

**Assessment 1**

**Assessment Tool:** Objectives and methods of evaluation follow the curriculum set out by the Joint Apprentice Training Committee (JATC).

**Assessment Date:** Fall 2012

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**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).

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

- Identify proper cutting and welding techniques using appropriate safety and setup.

#### **Assessment 1**

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**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).

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

### **Course Objectives**

- 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**

- Recognize the national and state Occupational Safety and Health Act (OSHA) standards and meet industry safety certification requirements.
- Identify proper first aid/CPR procedures for given scenarios.
- Read and interpret trade specific drawings.
- Apply mathematical skills and formulas to solve problems.
- Identify proper cutting and welding techniques using appropriate safety and setup.

### **New Resources for Course**

#### **Course Textbooks/Resources**

Textbooks  
Manuals  
Periodicals  
Software  
Other

#### **Equipment/Facilities**

Other: Ironworkers Local Training Center