

# Washtenaw Community College Comprehensive Report

## UAT 371 Crane Signalperson Training and Certification Effective Term: Fall 2010

### Course Cover

**Division:** Vocational Technologies  
**Department:** United Association Department  
**Discipline:** United Association Training  
**Course Number:** 371  
**Org Number:** 28200  
**Full Course Title:** Crane Signalperson Training and Certification  
**Transcript Title:** Crane Signalperson Tra. Cert.  
**Is Consultation with other department(s) required:** No  
**Publish in the Following:** College Catalog , Web Page  
**Reason for Submission:** New Course  
**Change Information:**  
**Rationale:** This course is part of the United Association's ITP.  
**Proposed Start Semester:** Fall 2010  
**Course Description:**

This course uses the OSHA Signalperson Training Program, which is a state of the art interactive signalperson training aid. The course covers all pertinent requirements of the current OSHA 1926.550, ASME B30.5, B30.23, and even the proposed OSHA Cranes and Derrick Standard 1926.1400. The course covers theoretical and practical components of signaling and crane characteristics and limitations. This course uses instructor materials which include practice scenarios so that signaling becomes second nature to students. Certification and Examiner (proctor) credentials are awarded upon successful completion of the course. Limited to United Association Instructor Training program graduates.

### Course Credit Hours

**Variable hours:** No  
**Credits:** 1.5  
**Lecture Hours: Instructor:** 15 **Student:** 15  
**The following Lab fields are not divisible by 15: Student Min, Instructor Min**  
**Lab: Instructor:** 7.5 **Student:** 7.5  
**Clinical: Instructor:** 0 **Student:** 0

**Total Contact Hours: Instructor:** 22.5 **Student:** 22.5  
**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

No Level Required

### Requisites

**Enrollment Restrictions**

This course is only open to graduates of the UA ITP.

## General Education

### Request Course Transfer

Proposed For:

## Student Learning Outcomes

1. Explain to journeymen and apprentices relevant codes covering signalpersons on the jobsite.

### **Assessment 1**

**Assessment Tool:** Survey of UA training coordinators/supervisors.

**Assessment Date:** Spring/Summer 2012

**Assessment Cycle:** Every Three Years

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

**Number students to be assessed:** Random sampling of 50% of all students teaching related topics the subsequent year.

**How the assessment will be scored:** The student's training activities will be scored and evaluated on the survey questionnaire for each of the outcomes.

**Standard of success to be used for this assessment:** 75% of all student-instructors will score satisfactory or above on the Training Coordinator survey.

**Who will score and analyze the data:** The UA Program Administrator will coordinate the collection of data with the UA Training Department staff and will share results with ITP teaching faculty.

2. Demonstrate proper techniques for signal crane operators.

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3. Effectively utilize UA, OSHA, ASME and vendor supplied teaching materials for Crane Signaling.

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share results with ITP teaching faculty.

## **Course Objectives**

1. Explain to apprentices and journeymen OSHA relevant to crane signaling.

### **Methods of Evaluation**

Individual or Group Performance, Project or Presentation

### **Matched Outcomes**

2. Explain to apprentices and journeymen ASME relevant to crane signaling.

### **Methods of Evaluation**

Individual or Group Performance, Project or Presentation

### **Matched Outcomes**

3. Describe proposed local, state and OSHA standards at the home local.

### **Methods of Evaluation**

Individual or Group Performance, Project or Presentation

### **Matched Outcomes**

4. Demonstrate proper hand signals to a crane operator based on work scenarios.

### **Methods of Evaluation**

Activity or Exercise

Exams/Tests

Individual or Group Performance, Project or Presentation

### **Matched Outcomes**

2. Demonstrate proper techniques for signal crane operators.

5. Conduct practice signaling sessions with students.

### **Methods of Evaluation**

Activity or Exercise

Individual or Group Performance, Project or Presentation

### **Matched Outcomes**

2. Demonstrate proper techniques for signal crane operators.

6. Demonstrate appropriate use of UA, OSHA, ASME and vendor provided materials in teaching crane signaling at the home local.

### **Methods of Evaluation**

Individual or Group Performance, Project or Presentation

### **Matched Outcomes**

## **New Resources for Course**

### **Course Textbooks/Resources**

Textbooks

Manuals

Periodicals

Software

## **Equipment/Facilities**

Level III classroom

### **Reviewer**

**Faculty Preparer:**

**Department Chair/Area Director:**

*Daniel Welch*

**Dean:** *Daniel Welch*

**Vice President for Instruction:** *Stuart*

### **Action**

*Faculty Preparer*

*Recommend Approval*

*Recommend Approval*

### **Date**

*Dec 20, 2010*

*Dec 20, 2010*

*Dec 20, 2010*

