

Washtenaw Community College Comprehensive Report

UAT 358 Cross Connection Control Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 358

Org Number: 28200

Full Course Title: Cross Connection Control

Transcript Title: Cross Connection Control

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission:

Change Information:

Other:

Rationale: Course update

Proposed Start Semester: Spring/Summer 2014

Course Description: In this course, students will learn about surveys and inspections of cross connection control to become ASSE Surveyor Certified and instruct apprentices at their local union. Topics include: identifying cross-connections; understanding how backflows occur; methods used to control backflows; recommended applications for each type of backflow assembly; interpreting plumbing codes and local ordinances; and inspecting a facility for cross-connections. Exercises include reviewing plans and going to an actual site to do a survey inspection for cross-connection control in addition to developing strategies for teaching these topics. Limited to United Association Instructor Training program graduates.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 **Student:** 30

Lab: Instructor: 0 **Student:** 0

Clinical: Instructor: 0 **Student:** 0

Other: Instructor: 10 **Student:** 10

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

General Education

Degree Attributes

Below College Level Pre-Reqs

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Complete a site cross connection survey with appropriate forms and documentation.

Assessment 1

Assessment Tool: Student project

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally developed 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. Pass the ASSE Surveyor Certification exam.

Assessment 1

Assessment Tool: ASSE Surveyor Certification Exam

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Externally scored certification exam

Standard of success to be used for this assessment: 80% of the students will score 70% or higher on the exam

Who will score and analyze the data: Departmental faculty will analyze the data.

3. Demonstrate methods of teaching on the concepts and skills of surveys and inspections for cross connection control utilizing UA approved materials.

Assessment 1

Assessment Tool: Presentation

Assessment Date: Spring/Summer 2014

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

4. Demonstrate teaching practicum on maintenance and repair procedures related to surveys and inspections for cross connection control.

Assessment 1

Assessment Tool: Skill assessment

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Performance parameters 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

Course Objectives

1. Recognize terms and concepts related to cross connections and adequate backflow

prevention practices.

Matched Outcomes

2. Identify common symbols used in plan reading.

Matched Outcomes

3. Recognize and interpret plumbing codes and local ordinances.

Matched Outcomes

4. Recommend needed backflow prevention methods for a facility.

Matched Outcomes

5. Demonstrate appropriate use and knowledge of course materials.

Matched Outcomes

6. Classify different types of cross-connections and determine the level of hazard each presents to the occupants of a building, site or facility.

Matched Outcomes

7. Utilize appropriate forms and other documentation to perform a cross-connection survey.

Matched Outcomes

8. Develop concepts and strategies needed to teach apprentices about cross connections and adequate back-flow prevention practices.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

International Pipe Trades Joint Training Committee. *Plan Reading and Related Drawings*, ed. International Pipe Trades Joint Training Committee, 2001

Manuals

International Pipe Trades Joint Training Committee. Backflow Prevention & Cross Connection Control Training Manual, International Pipe Trades Joint Training Committee, 01-01-2001

Periodicals

Software

Equipment/Facilities

Data projector/computer

Reviewer

Action

Date

Faculty Preparer:

Amanda Scheffler

Faculty Preparer

Feb 02, 2014

Department Chair/Area Director:

Scott Klapper

Recommend Approval

Feb 03, 2014

Dean:

Marilyn Donham

Recommend Approval

Feb 05, 2014

Vice President for Instruction:

Bill Abernethy

Approve

Mar 31, 2014