Washtenaw Community College Comprehensive Report

UAT 179 Reliable Automatic Fire Sprinkler Valve Training (UA 7032)
Effective Term: Fall 2020

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: United Association Department
Discipline: United Association Training
Course Number: 179
Org Number: 28200
Full Course Title: Reliable Automatic Fire Sprinkler Valve Training (UA 7032)
Transcript Title: Reliable Auto Fire Sprink 7032
Is Consultation with other department(s) required: No
Publish in the Following:
Reason for Submission: New Course
Change Information:
Rationale: New United Association course.
Proposed Start Semester: Fall 2020
Course Description: In this course, students will gain the essential skills needed to qualify members in the installation, troubleshooting, and repair of Reliable Automatic Fire Protection valves and essential components at their local Training Center. Students will explore the history of Reliable Automatic Sprinkler Corporation and current fire protection valves and equipment in this combination of classroom and hands-on learning environments. 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. Explain the applications of Reliable wet, dry, preaction, and deluge systems, along with their components.
   Assessment 1
   Assessment Tool: Oral quiz
   Assessment Date: Fall 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Rubric
   Standard of success to be used for this assessment: 80% of the students will score 80% or higher.
   Who will score and analyze the data: U.A. Instructors

2. Demonstrate installation, setup, testing, and maintenance of Reliable wet, dry, preaction and deluge systems.
   Assessment 1
   Assessment Tool: Demonstration
   Assessment Date: Fall 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Observational Checklist
   Standard of success to be used for this assessment: 80% of the students will score 80% or higher.
   Who will score and analyze the data: U.A. Instructors

3. Demonstrate troubleshooting tips for Reliable wet, dry, preaction, and deluge systems.
   Assessment 1
   Assessment Tool: Demonstration
   Assessment Date: Fall 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Observational Checklist
   Standard of success to be used for this assessment: 80% of the students will score 80% or higher.
   Who will score and analyze the data: U.A. Instructors

Course Objectives

1. List the components of Reliable wet, dry, preaction, and deluge systems.
2. Discuss the applications of Reliable wet, dry, preaction, and deluge systems.
3. Identify the history of fire protection sprinkler systems, up to the present day.
4. Explain the proper trip test and reset procedures.
5. Practice the proper trip test and reset procedures in the wet lab.
6. Review electrical and mechanical safety procedures and Personal Protection Equipment (PPE) when performing testing.
7. Analyze and identify potential system failures and the serviceable equipment on Fire Protection systems.
8. Diagnose system failure simulations.

9. Discuss unusual system conditions and preventive maintenance schedules.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Reviewer	Action	Date
Faculty Preparer:		
Tony Esposito	*Faculty Preparer*	*Apr 10, 2020*
Department Chair/Area Director:		
Marilyn Donham	*Recommend Approval*	*Apr 11, 2020*
Dean:		
Jimmie Baber	*Recommend Approval*	*Apr 13, 2020*
Curriculum Committee Chair:		
Lisa Veasey	*Recommend Approval*	*Apr 23, 2020*
Assessment Committee Chair:		
Shawn Deron	*Recommend Approval*	*Apr 28, 2020*
Vice President for Instruction:		
Kimberly Hurns	*Approve*	*May 05, 2020*