

Washtenaw Community College Comprehensive Report

UAT 268 Technical Classes for Sprinkler Fitters Effective Term: Spring/Summer 2021

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: United Association Department
Discipline: United Association Training
Course Number: 268
Org Number: 28200
Full Course Title: Technical Classes for Sprinkler Fitters
Transcript Title: Tech Class for Sprinkler Fitttr
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Web Page
Reason for Submission: Three Year Review / Assessment Report
Change Information:

Consultation with all departments affected by this course is required.

Course description

Total Contact Hours

Outcomes/Assessment

Objectives/Evaluation

Rationale: Update U.A. Course

Proposed Start Semester: Spring/Summer 2021

Course Description: In this course students will be introduced to the most current technologies utilized in the fire protection industry. Students will discuss and demonstrate the latest technology and concepts applied to the design, engineering, installation and servicing of various types of fire protection systems. Other topics covered in this course include system testing, inspections and alarm systems. 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. Identify and define concepts and skills relevant to the design, installation, service and testing of sprinkler fitting systems using current technology.

Assessment 1

Assessment Tool: Outcome-related essay questions

Assessment Date: Spring/Summer 2021

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: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

2. Demonstrate maintenance, repair and testing procedures related to fire sprinkler equipment and systems using current technology.

Assessment 1

Assessment Tool: Demonstration

Assessment Date: Spring/Summer 2021

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills 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. Review the history of fire sprinkler protection systems used in the industry.
2. Recognize current patterns and trends in the fire sprinkler industry.
3. Identify how current technologies and products incorporate new codes.
4. Compare and contrast current and historical sprinkler system technology practices.
5. Discuss the theories and procedures in current and past fire sprinkler system technologies.
6. Compare costs, return-on-investment (ROI) and efficiency of current and past fire sprinkler system technology.
7. Demonstrate the use of current technology in designing sprinkler systems.
8. Demonstrate the use of current technology to interface with alarm panels and software.
9. Demonstrate the use of current technology to service and repair fire sprinkler equipment.
10. Demonstrate the current technology used to test and inspect fire sprinkler systems.

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals
Periodicals
Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Tony Esposito</i>	<i>Faculty Preparer</i>	<i>Sep 23, 2020</i>
Department Chair/Area Director: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Sep 23, 2020</i>
Dean: <i>Jimmie Baber</i>	<i>Recommend Approval</i>	<i>Oct 01, 2020</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Dec 02, 2020</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Dec 04, 2020</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Dec 07, 2020</i>