Washtenaw Community College Comprehensive Report

UAT 179A Victaulic Firelock Fire Protection Valves (UA 7031)
Effective Term: Spring/Summer 2025

Course Cover

College: Advanced Technologies and Public Service Careers
Division: Advanced Technologies and Public Service Careers
Department: United Association Department (UAT Only)
Discipline: United Association Training
Course Number: 179A
Org Number: 28200
Full Course Title: Victaulic Firelock Fire Protection Valves (UA 7031)
Transcript Title: Victaulic Fireloc Valves 7031
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 2024
Course Description: In this course, students will identify the purpose and demonstrate the application use of the Victaulic valves and components available in fire protection systems. This course will combine classroom instruction and hands on demonstrations of the various valves and components that make up fire protection systems and trim assemblies. Students will review installation procedures, set up, testing, troubleshooting, and repair of Victaulic fire protection valves and equipment. 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

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Demonstrate the operational procedures of fire protection systems that use Victaulic valves and components.
   Assessment 1
   Assessment Tool: Outcome-related demonstration
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: 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

2. Present the applications, purposes, and operation of Victaulic valves and their components.
   Assessment 1
   Assessment Tool: Outcome-related demonstration
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: 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 the installation, maintenance, inspection, and operation of Victaulic valves and components.
   Assessment 1
   Assessment Tool: Outcome-related demonstration
   Assessment Date: Fall 2024
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: 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. Identify the components of Victaulic valves.
2. Discuss the operation of Victaulic valves.
3. Identify the application of Victaulic valve components in fire protection systems.
4. Discuss the operations of fire protection systems used in commercial buildings.
5. Discuss the manufacturer's recommended installation locations of Victaulic valve and components.
6. Discuss the applications and system use of Victaulic valves.
7. Discuss the history and technological advancement of Victaulic valves and their use in the fire protection industry.
8. Explain the process of installation and start-up when placing a Victaulic valve into service.

9. Discuss safety precautions and personal protective equipment (PPE) used in the installation, maintenance, and operation of Victaulic equipment in fire protection systems.
10. Discuss troubleshooting practices for faulty devices.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Reviewer	Action	Date
Faculty Preparer:		
Tony Esposito	*Faculty Preparer*	*May 09, 2024*
Department Chair/Area Director:		
Marilyn Donham	*Recommend Approval*	*May 10, 2024*
Dean:		
Eva Samulski	*Recommend Approval*	*May 15, 2024*
Curriculum Committee Chair:		
Randy Van Wagnen	*Recommend Approval*	*Nov 07, 2024*
Assessment Committee Chair:		
Jessica Hale	*Recommend Approval*	*Nov 21, 2024*
Vice President for Instruction:		
Brandon Tucker	*Approve*	*Nov 26, 2024*