

Fire Technology

Syllabus 2024-2025



Instructor: Mr. Guzman

Credits: 20

ext 15511 <https://www.mvrop.org/Page/120>

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Phone #: 510-657-1865

Monday-Friday 8:30-10:30

Course Description: Course Description: This competency-based course prepares students in the core skills needed for a Fire Service career. Students will receive basic firefighter training in causes of fires, safety procedures, basic rescue procedures, fire suppression techniques, fire hose operations, ladder operations, advanced first aid, and many other areas necessary to prepare students for further training and employment in the fire service. Characteristics such as honesty, integrity, responsibility, and leadership will be emphasized. This course is UC a-g "g." Articulated college credit is available to those students meeting all requirements.

Prerequisites: Junior or Senior in high school.

Required Text, Uniform, and Resources: Textbooks and fire equipment are supplied by the school. Students are expected to acquire a uniform consisting of a black Dickies dress shirt and work pants, a black belt with a chrome buckle or a fire service type buckle, black work boots, and navy blue shorts. A navy blue T-shirt and patches will be provided. The patches are to be sewn onto the dress shirt. Acceptable uniform pieces are at the Instructor's discretion. Assistance in obtaining the uniform is available. Please see the Uniform Guide on the MVROP website.

Please note: any school property that is not returned upon demand, may result in withholding of grades, credits, diplomas, transcripts, etc. There may be a request for replacement.

Student Learning Outcomes (SLOs)

Upon successful completion of the MVROP Fire Technology Course, students will demonstrate:

Workplace Basic Skills and Behaviors

- Apply skills learned in class
- Analyze information and make decisions
- Communicate verbally and in writing
- Work independently and as a team member in a diverse workplace
- Work reliably, responsibly, and ethically

Career Technical Skills

- Demonstrate occupational competencies
- Use appropriate technology
- Understand and practice occupational safety standards
- Demonstrate an awareness of how a business or industry functions

Job Employment Skills

- Develop a plan to achieve career goals
- Use effective job search strategies

- Demonstrate an awareness of the importance of lifelong learning

Fire Technology Competencies & Skills:

- Describe basic fire department organizational structure & operating procedures
- Distinguish the duties and functions of fire department personnel
- Follow basic fire station, apparatus, and tool safety procedures and guidelines
- Predict probable fire behaviors & know the actions necessary to change/prevent these behaviors
- Identify structural characteristics of building types and recognize signs and causes of potential building collapse
- Follow Don and Doff protective clothing and use a PASS device
- Safely use, clean, refill, inspect, and store SCBA
- Identify portable fire extinguishers to extinguish small Class A, Class B, & Class C fires
- Identify and properly know, use, & maintain various types of rope used in the fire service
- Describe search & rescue in a structure operating as a member of a team
- Identify & know appropriate applications & maintenance procedures for forcible entry tools
- Recognize various types of construction components & use appropriate forcible entry techniques
- Studied Proper care of fire service ground ladders, proper carry, lift, move, and placement of fire ground ladders
- Identify the principles of ventilation to appropriately ventilate a building
- Describe the fundamentals of a water supply system
- Identify a given selection of nozzles and tips for water fire streams
- Overview of basic operations at properties protected by automatic sprinklers
- Recognize safe and efficient salvage and overhaul at a fire scene while protecting evidence for fire cause determination
- Identify the use of various fire service communications systems & equipment
- Identify residential fire hazards, residential fire safety survey, & make & document a fire and life safety presentation

Special Certificates and/ or Certifications:

Students who receive a "C" grade or better for both semesters will receive a Fire Technology Certificate of Completion. Students will test for both FEMA and CPR certifications.

Grading Policy: 25% attendance, 25% participation (Instructor's judgment), 50% gradable projects. Letter Grades: A: 90–100%, B: 80–89%, C: 70 – 79%, D: 60–69%, F: Less than 60%.

Cheating

Mission Valley ROP is committed to preparing students for the workforce. This preparation includes technical skills as well as business ethics. Mission Valley ROP does not condone cheating. Any student caught cheating on an exam or copying work from other students will be given one warning and a failing grade on that assignment. Any subsequent incident may result in termination from his/her MVROP program, a failing grade, & loss of credits.

Makeup Work/ Late Work:

Make-up assignments will be given for excused absences only, which include medical, legal, or bereavement circumstances. Make-up assignments can be completed within 5 days of returning to class. Skills exams/presentations, etc. may or may not be made up depending on the activity. This will be at the Instructor's discretion.

Attendance Policy

Mission Valley ROP's mission is to prepare students for employment, and career preparation via post-secondary educational opportunities. Just as in business and industry, where employees are expected to show up on time every day, Mission Valley ROP students are expected to be on time for class every day.

If you are tardy or miss a Mission Valley ROP class multiple times your grade will be adversely affected. Be advised that credits are earned by attendance only and cannot be made up. Any student receiving a first-semester grade of D- or lower may be dropped from the class.

Students must arrive on time for class. Talking on a cell phone or having a personal conversation outside the class is unproductive and will be considered tardy. Tardiness reduces instructional time and is disruptive to the classroom. Tardies may prevent the student from receiving a course **certificate**. **Only notification from parents/home school administration will be accepted for absences, being late to class, and leaving the class early.**

Classroom Rules and Student Responsibilities:

- Be on time and come prepared** – students must be in their seats by 1:45, late due to buses will be excused.
- Safety and responsibility** – In this class, you will be working in hazardous cleaning chemicals and using dangerous supplies and equipment, and you will be entrusted with more freedom than other classes. Any behavior that endangers others, school facilities, and equipment can result in permanent removal from the class.
- Be respectful** – Show respect to your peers and your teacher. This is a community of learners where respect is of utmost importance in creating a safe learning environment. Harassing/disrespectful behavior and swearing will not be tolerated.
- Cellular phones in class** –School policy prohibits the use of cell phones in class. However, cell phones are allowed when authorized by the teacher for educational use.
- Work together** – Group work is a central feature of this course. Cooperation and teamwork is required to successfully complete certain assignments. Bullying is repeated behavior, which involves an imbalance of power by the perpetrator(s) that causes harm to the target(s). It may harass, intimidate, threaten, terrorize, harm, or exclude. Such behavior is often executed using electronic, written, verbal, visual, and physical acts or gestures, or conduct toward another person or persons and will not be tolerated. If you witness any bullying behavior report this to the teacher or administrator immediately.

•**Food or drinks** (except water in clear plastic bottles or reusable containers) will not be consumed in MVROP buildings, including classrooms, lobby, hallways, and restrooms. No food delivery services are allowed! Food will be disposed of.

•**Changing Clothes** - Students may change clothes simultaneously (same gender) in a common area. Private changing areas will also be available. This can be part of the actual occupation as well as saving instructional time.

•**Other Concerns**—Any concerns regarding the class should be discussed with the Instructor. If the concern is not resolved, the Instructor will refer the concern to the proper Administrator. Public displays of affection (kissing/hugging/holding hands/etc.) are not allowed during class time or whenever representing the class.

•**Medical Excuse:** A medical release from physical activities may be requested by the Instructor. There will be forty-five minutes of physical exercise twice a week. Minimum of a fast walk during the one-mile run.

•**Off Campus Release:** When circumstances require a student to be released from class early at the parent's request, photo identification will be required by Mission Valley ROP to facilitate release of the minor child to the parent.

- Photo identification will be copied and a signature will be required.
- If parent/guardian cannot come to the ROP Center, a signed note from parent/guardian to the instructor and/or front desk stating the date, time, reason for release, and valid signature. The note must contain a phone number to verify with the parent/guardian the reason for leaving campus.
- If a signed note is not presented to proper personnel and a parent/guardian cannot be present to check out the student, a phone call from the parent is required.
- Once on campus, students may not leave Mission Valley ROP campus during school hours without proper authorization. Unauthorized students leaving campus may result in dismissal from ROP Center class.

•**Off Campus Activities**

When possible, students will participate in training activities at the Fremont Fire Tactical Training Center, located at 7200 Stevenson Blvd. Field trip permission slips will be sent home authorizing students to attend these trainings.

Dear Parents and Guardians,

Welcome back to the 2024-2025 school year! As always the Mission Valley ROP and staff have been working very hard to provide students with an enriching, supportive, and safe educational experience.

Your child's Fire Technology teacher, this year I will have the pleasure and opportunity to guide your child in an exploration of the Public Services Field. I spent more than 25 years working EMS as a firefighter/Paramedic. As a firefighter, I was able to learn Professionalism, Integrity, Responsibility, Leadership and Communication Skills. I hope to offer your student a similarly enriching experience.

I believe that parental involvement and support is an important component in creating a successful learning environment for your student. Please take a moment to review and sign the following attached forms. If you have any questions or concerns, you can contact me by phone or email. Thank you for your time and I am looking forward to the upcoming school year!

Sincerely,

Mr. Guzman, EMR/Fire Instructor, jguzman@mvrop.org

510-657-1865 Ext 15511, Leave me a message!

I have read and agree to abide by the rules and regulations of the Fire Technology course as described in the attached syllabus. 2024-2025

Print Student Name

Signature

Date

Print Parent/Guardian

Name Signature

Date

Parent email address

Contact phone number

When is the best time to reach you should the need to contact a parent arise?

What is the best way to reach you? (Cell Phone, Email, Home phone):