

Reference Materials

The jurisdictional entity in which the rescue personnel serves must have access to the most current editions of the following reference materials:

NFPA

NFPA 1006: Standard for Technical Rescuer Professional Qualifications

NFPA 1670: Standard on Operations and Training for Technical Search and Rescue Incidents

IFSTA

Fire Service Search and Rescue

Principles of Vehicle Extrication

Other

Jurisdictionally developed codes and protocols

Minimum Requirements

The Certification Program offers two (2) levels of Vehicle Rescuer Certification:

Vehicle Rescue Level I

Applicants must:

1. meet all qualifications for, **and hold or apply concurrently for** the SFFMA Rescue Apprentice AND
2. have completed or hold one of the following:
 - a. SFFMA Vehicle Rescue Level I coursework;
 - b. Vehicle Rescue Level I as defined by NFPA 1006; or
 - c. TEEX Vehicle Extrication Technician **I & II** coursework (this also includes courses like Katy Rescue School, etc.)
3. Vehicle Extrication Technician II certifications with an effective date prior to January 1, 2015 are grandfathered into the Vehicle Rescue Level I certification.
4. The Certification Board suggests it will take a class of 40 individuals 24 hour to cover the objectives in this section (actual time may vary based on class size).

Vehicle Rescue Level II

Applicant must:

1. meet all qualifications for, **and hold or apply concurrently for** the following SFFMA certificates:
 - a. Rescue Apprentice; AND
 - b. Vehicle Rescue Level I (or Vehicle Extrication Technician II issued prior to January 1, 2015)
 2. have completed or hold one of the following:
 - a. SFFMA Vehicle Rescue Level II coursework;
 - b. Vehicle Rescue Level II as defined by NFPA 1006; or
 - c. TEEX Vehicle Extrication Technician III coursework.
 3. Vehicle Extrication Technician III certifications with an effective date prior to January 1, 2015 are grandfathered into the Vehicle Rescue Level II certification.
 4. The Certification Board suggests it will take a class of 40 individuals 24 hour to cover the objectives in this section (actual time may vary based on class size).
- C. Curriculum for Vehicle Extrication Technician

Curriculum for Vehicle Rescue Level I

- VR-01.01 Trainee shall be able to describe the minimum personal protective equipment needed for vehicle extrication operations in their department.
- VR-01.02 Trainee, given descriptions of accident scenes, shall determine whether extrication or patient removal is needed.
- VR-01.03 Trainee shall describe the following as they apply to motor vehicle accidents:
 - A. Common hazards found
 - B. Methods for mitigating those common hazards
 - C. Methods of recognizing alternative fueled and hybrid vehicles
 - D. Hazards associated with alternative fueled and hybrid vehicles
- VR-01.04 Trainee shall be able to:
 - A. Define vehicle stabilization
 - B. Describe different methods of vehicle stabilization using equipment that is available in their department
 - C. Describe other methods of vehicle stabilization using on scene and commercially available items
 - D. Demonstrate single vehicle stabilization using items readily available to their department
- VR-01.05 Trainee shall be able to describe the techniques and safety procedures in determining:
 - A. The best route to access patient
 - B. Alternative routes to access patient
- VR-01.06 Trainee shall describe and demonstrate the use of the following rescue tools:
 - A. Cribbing and shoring material
 - B. Hydraulic devices
 - C. Pneumatic devices
 - D. Electrical Devices
- VR-01.07 Trainee shall be able to describe and demonstrate the techniques and safety procedures for accessing a patient involved in a motor vehicle accident:
 - A. From the driver's position in the vehicle
 - B. From the front seat passenger's position in the vehicle
 - C. From the rear seat of a two-door vehicle
 - D. From the rear seat of a four-door vehicle
- VR-01.08 Trainee, operating as a member of a team, shall demonstrate the proper techniques and safety procedures to perform a patient rescue as they apply to a motor vehicle accident.
- VR-01.09 Trainee shall understand and participate in incident command of a simulated rescue operation.
- VR-01.10 Trainee shall describe the direct current voltages found in hybrid vehicles, their dangers and how to work around them.

- VR-01.11 Trainee shall describe the function of supplemental restraint systems for all seating locations in the following vehicles, their dangers, and how to work around them:
- A. Automobiles
 - B. Light trucks
 - C. Buses
 - D. Emergency Vehicles
- VR-01.12 Trainee, given descriptions of accident scenes, shall describe procedures for determining operational priorities at multiple vehicle accidents.
- VR-01.13 Trainee, given descriptions of accident scenes, shall describe procedures for stabilizing the following vehicles:
- A. Automobiles
 - B. Light trucks
 - C. Buses
 - D. Emergency Vehicles
- VR-01.14 Trainee shall stabilize the following vehicles:
- A. Automobiles
 - B. Light trucks
 - C. Buses
- VR-01.15 Trainee, given descriptions of accident scenes, shall describe procedures for stabilizing multiple vehicle accidents:
- A. Using cribbing
 - B. Using commercial stabilization systems
- VR-01.16 Trainee shall stabilize multiple vehicle accident scenarios:
- A. Using cribbing
 - B. Using commercial stabilization systems
- VR-01.17 Trainee, given descriptions of accident scenes, shall describe and demonstrate procedures for gaining access to patients:
- A. In closed upright vehicles
 - B. In closed overturned vehicles
 - C. Pinned beneath vehicle
 - D. Pinned inside vehicle
 - E. In vehicle with electrical hazards
- VR-01.18 Trainee shall understand and participate in incident command of a simulated multiple-vehicle rescue operation.

Curriculum for Vehicle Rescue Level II

VR-02.01 Trainee, given descriptions of accident scenes, shall describe hazards to be expected and prioritize rescue actions for the following scenarios:

- A. On the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
- B. Off the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
- C. Public transportation
 - 1. Taxis
 - 2. School buses
 - 3. Public buses
- D. Large vehicle
 - 1. Semi-truck & trailer
 - 2. Emergency vehicle
 - 3. Construction equipment
 - a. Dump truck, or
 - b. Bulldozer, or
 - c. Road grader
 - 4. Agriculture equipment
 - a. Tractors
 - b. Vehicle pulling trailer

VR-02.02 Trainee, given descriptions of accident scenes, shall describe hazards to be expected with heavy rigging and towing equipment utilizing:

- A. Chains
 - 1. Grades 70, 80, & 100
 - 2. Chain hook assemblies
- B. Load Binders
 - 1. High Tensile
 - 2. Mini
 - 3. Black Fabricated
- C. Straps, Slings, & Winches
 - 1. Ratchet type
 - 2. Wire type
 - 3. Round Rope type

- VR-02.03 Trainee, operating as a member of a team, shall demonstrate the proper techniques and safety procedures to stabilize the following scenarios with heavy rigging and towing equipment.
- A. On the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - B. Off the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - C. Public transportation for types of vehicle from the local Authority Having Jurisdiction (AHJ).
 - D. Large vehicle for types of vehicle from the local AHJ.
- VR-02.04 Trainee, operating as a member of a team, shall demonstrate the proper techniques and safety procedures to stabilize the following scenarios:
- A. On the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - B. Off the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - C. Public transportation for types of vehicle from the local AHJ.
 - D. Large vehicle for types of vehicle from the local AHJ.
- VR-02.05 Trainee, operating as a member of a team, shall demonstrate the proper techniques and safety procedures to provide patient removal access for the following scenarios:
- A. On the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - B. Off the roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - C. Public transportation for types of vehicle from the local AHJ.
 - D. Large vehicle for types of vehicle from the local AHJ.
- VR-02.06 The firefighter shall understand and participate in command of a simulated multiple vehicle rescue operation.