

XV. MINIMUM STANDARDS FOR VEHICLE EXTRICATION TECHNICIAN PERSONNEL

A. Participating Requirements

1. Vehicle Extrication Technician I applicant must complete the following objectives from the firefighter certification curriculum prior to application:

SECTION	SUBJECT	LEVEL	OBJECTIVES
1	Fire Department Organization	Basic	1-01.01 – 1-01.04
1	Fire Department Organization	Intermediate	1-02.01 – 1-02.05
10	First Aid	Basic	10-01.01 – 10-01.35
22	Live Fire Training	Basic	22-01.01 A – H
22	Live Fire Training	Intermediate	22-02.01 E

2. Applicants for Vehicle Extrication Technician II must hold the following SFFMA certification:
 - i. Vehicle Extrication Technician I
3. Applicants for Vehicle Extrication Technician III must hold the following SFFMA certification:
 - i. Vehicle Extrication Technician II

B. The Certification Program offers three (3) levels of Vehicle Extrication Technician Certification:

LEVEL	HOURS
Vehicle Extrication Technician I	12
Vehicle Extrication Technician II	12
Vehicle Extrication Technician III	24

D. Curriculum for Vehicle Extrication Technician

VEHICLE EXTRICATION TECHNICIAN I – 12 HOURS

- 1-01 Trainee shall be able to describe the minimum personal protective equipment needed for vehicle extrication operations in their department.
- 1-02 Trainee, given descriptions of accident scenes, shall determine whether extrication or patient removal is needed.
- 1-03 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
- 1-04 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
- 1-05 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
- 1-06 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
- 1-07 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
- 1-08 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.
- 1-09 Trainee shall understand and participate in incident command of a simulated rescue operation.

VEHICLE EXTRICATION TECHNICIAN II – 12 HOURS

- 2-01 Trainee shall describe the direct current voltages found in hybrid vehicles, their dangers and how to work around them.
- 2-02 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
- 2-03 Trainee, given descriptions of accident scenes, shall describe procedures for determining operational priorities at multiple vehicle accidents.
- 2-04 Trainee, given descriptions of accident scenes, shall describe procedures for stabilizing the following vehicles:
- A. Automobiles
 - B. Light trucks
 - C. Buses
 - D. Emergency Vehicles
- 2-05 Trainee shall stabilize the following vehicles:
- A. Automobiles
 - B. Light trucks
 - C. Buses
- 2-06 Trainee, given descriptions of accident scenes, shall describe procedures for stabilizing multiple vehicle accidents:
- A. Using cribbing
 - B. Using commercial stabilization systems
- 2-07 Trainee shall stabilize multiple vehicle accident scenarios:
- A. Using cribbing
 - B. Using commercial stabilization systems
- 2-08 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
- 2-09 Trainee shall understand and participate in incident command of a simulated multiple-vehicle rescue operation.

VEHICLE EXTRICATION TECHNICIAN III – 24 HOURS

- 3-01 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

- 3-02** 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
- 3-03** 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.
- 3-04** 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.
- 3-05** 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.
- 3-06** The firefighter shall understand and participate in command of a simulated multiple vehicle rescue operation.