

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	First Aid	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 be able to 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
- 1-07 Trainee, given descriptions of accident scenes, shall describe procedures for gaining access to patients:

A. In closed upright vehicles	D. Pinned inside vehicle
B. In closed overturned vehicles	E. In vehicle with electrical hazards
C. Pinned beneath vehicle	
- 1-08 Trainee shall demonstrate the use of the following rescue tools:
 - A. Cribbing and shoring material
 - B. Hydraulic devices
 - C. Pneumatic devices
- 1-09 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.
- 1-10 Trainee shall assume command of a simulated rescue operation in the absence of a company officer.

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 pre-tensioning systems, their dangers and how to work around them.
- 2-03 Trainee shall describe the function of supplemental restraint systems for all seating locations in a vehicle, their dangers and how to work around them.
- A. Automobiles
 - B. Light trucks
 - C. Taxis
 - D. Buses
 - E. Semi-trailer trucks
 - F. Emergency vehicles
- 2-04 Trainee, given descriptions of accident scenes, shall describe procedures for determining operational priorities at multiple vehicle accidents.
- 2-05 Trainee, given descriptions of accident scenes, shall describe procedures for stabilizing the following vehicles:
- A. Automobiles
 - B. Light trucks
 - C. Taxis
 - D. Buses
 - E. Semi-trailer trucks
 - F. Emergency vehicles
- 2-06 Trainee shall stabilize the following vehicles:
- A. Automobiles
 - B. Light trucks
 - C. Taxis
 - D. Buses
 - E. Semi-trailer trucks
 - F. Emergency vehicles
- 2-07 Trainee, given descriptions of accident scenes, shall describe procedures for stabilizing multiple vehicle accidents:
- A. Using cribbing
 - B. Using commercial stabilization systems
 - C. Using wreckers and cranes
- 2-08 Trainee shall stabilize multiple vehicle accident scenarios:
- A. Using cribbing
 - B. Using commercial stabilization systems
 - C. Using wreckers and/or cranes
- 2-09 Trainee shall assume command of a simulated multiple-vehicle rescue operation in the absence of a company officer.

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. Above roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - B. Below roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
 - C. Underwater
 - 1. Partial submersion (5' or less water depth)
 - 2. Full submersion (over 5' water depth)
 - D. Public transportation
 - 1. Taxis
 - 2. School buses
 - 3. Public buses
 - E. Large vehicle
 - 1. Semi-trailer truck
 - 2. Emergency vehicle
 - 3. Construction equipment
 - a. Dump truck
 - b. Bulldozer
 - c. Road grader
 - 4. Agriculture equipment
 - a. Tractors
 - b. Vehicle pulling trailer

3-02 Trainee, operating as a member of a team, shall demonstrate the proper techniques and safety procedures to stabilize the following scenarios:

- A. Above roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
- B. Below roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
- C. Underwater
 - 1. Partial submersion (5' or less water depth)
 - 2. Full submersion (over 5' water depth)
- D. Public transportation
 - 1. Taxi
 - 2. School buses
 - 3. Public buses
- E. Large vehicle
 - 1. Semi-trailer truck
 - 2. Emergency vehicle
 - 3. Construction equipment
 - a. Dump truck
 - b. Bulldozer
 - c. Road grader
 - 4. Agriculture equipment
 - a. Tractors
 - b. Vehicle pulling trailer

3-03 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. Above roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
- B. Below roadway
 - 1. Single vehicle
 - 2. Multiple vehicles
- C. Underwater
 - 1. Partial submersion, 5' or less water depth
 - 2. Full submersion, over 5' water depth
- D. Public transportation
 - 1. Taxi
 - 2. School bus
 - 3. Public bus
- E. Large vehicle
 - 1. Semi-trailer truck
 - 2. Emergency vehicle
 - 3. Construction equipment
 - a. Dump truck
 - b. Bulldozer
 - c. Road grader
 - 4. Agriculture equipment
 - a. Tractors
 - b. Vehicle pulling trailer

3-04 The firefighter shall assume command of a simulated multiple vehicle rescue operation in the absence of a company officer.