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# Pennsylvania State Fire Academy

1150 Riverside Drive, Lewistown PA 17044

## Minimum Standard for Accreditation (MSA)

**Course Title:** Vehicle Rescue Awareness

**Date:** 07/01/2015

**SFA Course Code:** NVRA

**Minimum Age:** 16

**Lecture/Lab Breakdown:** 12/12

**Minimum Course Length:** 24 Hours

**Prerequisites:** Completion of HMAJB or higher level of Hazardous Materials training or certification

**PA DOH Course:** 1000033291

<b>Most Recent Revisions</b>	
<b>Date</b>	<b>Revisions</b>
March, 2021	Updated Template
September, 2022	Updated Template

**Reference Texts:** Vehicle Extrication - Levels I & II: Principles and Practice (Jones & Bartlett 2012). Other References: PA Department of Health - Basic Life Support Protocols (current edition); NFPA 1006 - Standard for Technical Rescuer Professional Qualifications (current edition); NFPA 1670 - Standard on Operations and Training for Technical Search and Rescue Incidents (current edition)

**Course Goal:** The goal of this course is to provide the student with an awareness level of knowledge and skills necessary to respond to and function at a vehicle accident/rescue incident in accordance with NFPA 1670: Standard on Operations and Training for Technical Search and Rescue Incidents.

**Description of Course:** This course will provide an awareness-level of information and skills as it pertains to vehicle rescue incidents. Topics will include general vehicle rescue function/operation; incident management of the vehicle accident/rescue incident; vehicle anatomy, design, and construction; recognition and control of hazards relative to a vehicle accident/rescue incident; and the tools and equipment used at a vehicle accident/rescue incident.

**Description of Methodology:** A combination of lecture, discussion, demonstration, and supervised practice.



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### Student Equipment/Supply Needs:

1. Vehicle Extrication - Levels I & II: Principles and Practice (Jones & Bartlett 2012) (must remain in possession of the student throughout the entire course)
2. PA OSFC/BEMS Vehicle Extrication Skills Sheet Book (Must remain in possession of student at the end of the program)
3. Pen/Pencil, notebook suitable for classroom/field use
4. Complete set of personal protective clothing to include helmet, gloves, footwear per either NFPA 1951 or NFPA 1971. Eye (ANSI Z87.1) and hearing protection are required.

**Equipment/Audiovisual/Supply Requirements:** LCD Projector, Computer, Appropriate lecture area. Appropriate practical demonstration/practice area. Adequate number of vehicles to work on (at least 6-8 for 24-30 students); other equipment as listed in the Instructor Guide.

### COURSE OUTLINE

<u>Time</u>	<u>Content</u>
2 Hours	Program Introduction - Introduction to Rescue (Chapter 1)
2 Hours	Rescue Incident Management (Chapter 2)
3 Hours	Vehicle Anatomy Lecture (Chapter 3-5)
1 Hour	Vehicle Anatomy Practical Demo
1 Hour	Tools and Equipment for Rescue (Chapter 6)
3 Hours	Tools and Equipment Practical
1 Hour, 30 Minutes	Site Operations (Chapter 7)
1 Hour	Vehicle Stabilization (Chapter 8)
1 Hour	Incident Termination (Chapter 13)
30 Minutes	Incident Documentation Practical (ICS 201)
6 Hours	Vehicle Site Operations, Hazard Control and Stabilization Practical
1 Hour	Termination Practical (Clean Up, Tool Servicing, Documentation, Secure Scene)
1 Hour	Written Examination and Evaluations



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**Competency Evaluation Mechanism:** Successful completion of practical skills as listed in the Pennsylvania State Fire Academy (PSFA)/Pennsylvania Department of Health Bureau of Emergency Medical Services (DOHBEMS) Vehicle Extrication Practical Skills Book provided to each student at the beginning of the NVRA class and successful completion of the integrated exercises as determined by the instructor of record.

The completed/signed PSFA/DOH Bureau of EMS Vehicle Extrication Practical Skills Book must be verified by the lead instructor. Lead instructor must complete the "Rescue Certification Class Verification Form" and submit to the regional EMS councils within three days of the conclusion of the NVRO Course and must accompany your course paperwork submitted to the ETA.

Successfully pass a 50 question examination, which will be generated by the PSFA/BEMS and graded by the instructor of record. A 70% passing score must be attained for course certificate issuance.

**Course Objectives (specific):** Upon completion of the course, in addition to the objectives identified in Vehicle Extrication - Levels I & II: Principles and Practice (Jones & Bartlett 2012) for the chapters that are contained in this course, the student will demonstrate to the satisfaction of the instructor that he/she is able to:

1. Recognize the need for vehicle rescue.
2. Identify the resources necessary to conduct operations.
3. Initiate the emergency response system for vehicle rescue incidents.
4. Initiate site control and scene management.
5. Recognize general hazards associated with vehicle rescue.
6. Initiate traffic control.



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**Special Notes and Conditions:** Minimum enrollment: 10 students; maximum enrollment: 24 students (can be extended to 30 provided adequate instructors and equipment are available). Based on the Instructor Guide, completion of all practical skill objectives will require multiple skill practice stations, with few if any students “observing” or idle during the practical activity. Therefore, the student-instructor ratio of 6 to 1 shall be maintained during all practical exercises based on the total student enrollment of the class. The equipment and facilities requirements in the Instructor guide are essential to completing the course objectives and must be

\*\*While not included in the total class hours above, the student will need to complete assigned reading and self-directed study of the textbook in order to be able to meet the objectives of the program and to successfully complete written and practical skills testing, and thus receive a certificate of completion.

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