



# Pennsylvania State Fire Academy

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## Minimum Standard for Accreditation (MSA)

March 2002

**Course Title:** Basic Vehicle Rescue Technician (last class in a 3 part course series)

**Course Code:** BVRT

**Length of Course:** 16 hours

**Lecture / Lab Breakdown:** 8 hours / 8 hours

**Prerequisites:** BVR Awareness and BVR Operations courses (certificates needed to test)

**Minimum age 18 years as of first day of class.**

**Reference Texts:** Basic Vehicle Rescue – Instructor Lesson Plan, Highway Safety Center IUP 1992, Vehicle Rescue, Harvey Grant Brady Co, 1992. Vehicle Rescue & Extrication, Ron Moore, Mosby Books 1997, Vehicle Extrication, Kidd & Czajkowski, PennWell Publishing. Extrication.Com, Ron Shaw

**Course Goals:** Upon the completion of this course the student will have reviewed hazards of vehicle rescue operations, ICS, Access, Disentanglement, Extrication, Tools, Vehicle Anatomy, and the Post Rescue phases of vehicle rescue. The student will have an understanding of power tools and disentanglement techniques.

**Description of Course:** This course is intended for personnel who have already BVR Awareness and BVR Operations courses in the past. This courses gives the student the knowledge of power tool usage and disentanglement techniques. At the end of this course the student will be able to take the written Basic Vehicle Rescue Technician certification test.

**Description of Methodology to be used: (Brief)** Lecture/discussion program tied to a PowerPoint presentation, reviewing the use of air, electric, and hydraulic tools. Hands on practice of the stabilization techniques, disentanglement techniques, and patient packaging will be done.

**Student Equipment / Supplies Needed:** pen/pencil, Notebook, protective gear – coat, pants, helmet, gloves, boots, eye protection, hearing protection.

**Equipment / Audiovisual / Supply requirements:** LCD Projector, Computer, TV/VCR and videos specified. Appropriate lecture area. Appropriate practical demonstration / practice area. Adequate number of vehicles to work on (at least 10 for 24 students); other equipment as listed in the Instructor Guide.

**SPECIAL NOTES** Minimum enrollment: 10 students; Maximum enrollment: 30 students. 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 5 to 1 must 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 supplied.

(continued)

**COURSE OUTLINE**  
**(General – Not Detailed)**

<b><u>Time</u></b>	<b><u>Content</u></b>	<b><u>Instructor Notes</u></b>
:30	Registration, Introduction, Course description	
1:30	Review of Hazards, Vehicle Anatomy, Packaging, Post Rescue	
2:00	Tools – power tools	
2:00	Disentanglement	
1:00	Stabilization exercise	
1:00	Demo of tools and new techniques	
5:00	Practical exercises	
1:00	Clean-up and conclusion	
2:00	Written test	

**Competency Evaluation Mechanism:** A comprehensive written final exam and skills competency evaluation per the procedures specified by the referenced text, State Fire Academy and Department of Health, successful completion of which results in joint certification as a Basic Vehicle Rescue Technician by the State Fire Academy and Department of Health. The written examination must be administered by a representative of the ETA, the State Fire Academy, a Certification Field Test Site, or the State Health Department (including regional councils). Test proctor must *not* have been directly involved in instructing the course.

**Course Objectives (Specific):** Objectives shall be those listed for each lesson in the Pennsylvania Basic Vehicle Rescue curriculum.