# ALABAMA FIRE COLLEGE
## AND PERSONNEL STANDARDS & EDUCATION COMMISSION

## COURSE SYLLABUS

# Technical Rescue Personnel (TRP): Common Passenger Vehicle Awareness, Operations, and Technician Levels

**FSC 246** **40 clock hours**

### PREREQUISITES

- (Pro Board of IFSAC) Certified Rescue Technician Rope I or Technical Rescue Personnel: Rope Rescue Awareness and Operations Levels

### REQUIRED COURSE MATERIALS

- ***Jones & Bartlett Vehicle Rescue and Extrication Principles and Practice, Revised Second Edition***

**Other materials:**

- NFPA compliant turnout gear or coveralls
- Hard hat or firefighting helmet
- Work gloves
- Work boots or firefighting boots
- OSHA approved safety glasses

### DESCRIPTION

This course is based on NFPA 1006: *Standard for Technical Rescue Personnel Professional Qualifications,* Chapter 8, 2021 Edition. This course is designed to offer a combination of classroom and practical evolutions that allow the student to learn proper techniques to plan for a vehicle incident, establish fire protection, stabilize a vehicle, isolate potential harmful energy sources, determine vehicle access and egress points, create access and egress openings for rescue, disentangle victims, remove a packaged victim to a designated safe area, and terminate a vehicle incident.

*This is a physically demanding course which requires students to be in good physical condition.

### STUDENT LEARNING OBJECTIVES

- Plan for a vehicle incident.
- Establish scene safety zones.
- Establish fire protection.
- Stabilize a vehicle or machine.
- Isolate potentially harmful energy sources.
- Determine the vehicle access and egress points.
- Create access and egress openings for rescue.
- Disentangle victim(s).
- As a member of a team, remove a packaged victim to a designated safe area.
- Terminate a vehicle/machinery incident.

### CERTIFICATION REQUIREMENTS

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

### ACCREDITATION

Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification.

## COURSE SCHEDULE (SUBJECT TO CHANGE)

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| Day One: | **Lecture**<br>Chapter 1: Introduction to Vehicle Rescue and Extrication<br>Chapter 2: Vehicle Rescue Incident Management<br>Chapter 3: Tools and Equipment<br>Chapter 4: Site Operations<br>Chapter 5: Mechanical Energy and Vehicle Anatomy<br>Chapter 6 Supplemental Restraint Systems |
| Day Two: | **Lecture**<br>Chapter 7: Advanced Vehicle Technology: Alternative-Fuel Vehicles<br>Chapter 8: Vehicle Stabilization<br>Chapter 9: Victim Access and Management<br>Chapter 10: Alternative Extrication Techniques<br>Chapter 11: Terminating the Incident<br><br>**Drill Field:** Vehicle Rescue Practical Evolutions<br>Tool Lab, Airbag Scenarios, Lifting Strut Scenarios (Wheel resting, Roof Resting, Side Resting) |
| Day Three: | **Drill Field:** Vehicle Rescue Practical Skills<br>Initial Stabilization, De-energize, tunneling through trunk, Glass Removal, Displacing foot pedals, Displacing steering column, creating purchase points (multiple ways), Door Removal, Full-side Blowout (traditional, Rapid blowout), Seat Displacement, Roof removal, Dash Roll, Dash Lift, Patient packaging and removal |
| Day Four: | **Drill Field**: Vehicle Rescue Practical Skills<br>Utilization of ICS, Development and Utilization of IAP, Darlington roll, 3rd door conversion (if available), inverted dash lift, clamshell, marrying techniques, Access through Floorboard, Roof Flap (w/out cutting post, w/ cutting post), Terminating an Incident, Scenarios utilizing all vehicle rescue practical skills and equipment |
| Day Five: | Scenario-Based JPR Skills Testing, Equipment cleaned and returned to trailer.<br>(Class) Review, Completion of Paperwork, Survey, Certification Examination. |

## GRADE ASSESSMENT

### WRITTEN EXAMINATION

Perform to a minimum 70% competency on the examination,
(One retest is allowed after 30 days but within one year of course end date.)

### PRACTICAL EXAMINATION

Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by AFC Certification Unit for the practical examination. (One retest is allowed after 30 days but within one year of course end date.)