



ALABAMA FIRE COLLEGE

RESCUE TECHNICIAN: VEHICLE EXTRICATION I AND MACHINERY EXTRICATION I

SYLLABUS

FSC 246

40 CLOCK HOURS

Prerequisite(s)	<ul style="list-style-type: none"> (Pro Board or IFSAC) Certified Rescue Technician: Rope I
Course Description	<p>This course is based on NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications, and may lead to IFSAC and Pro Board certifications. Participants may receive certification for Rescue Technician: Vehicle Extrication I and certification for Rescue Technician: Machinery Extrication I. 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/machinery incident, establish fire protection, stabilize a vehicle or machine, 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/machinery incident.</p>
Student Learning Objectives	<ul style="list-style-type: none"> Plan for a vehicle/machinery 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.
Required Textbook and Course Materials	<p><u>Principles of Vehicle Extrication, IFSTA, 3rd Edition</u> Other materials:</p> <ul style="list-style-type: none"> NFPA compliant turnout gear or coveralls Hard hat or firefighting helmet Work gloves Work boots or firefighting boots OSHA approved safety glasses
Reading Prior to Arrival	<ul style="list-style-type: none"> Textbook material suggested
Daily Activities and Class Participation	<p>This course will involve discussion, questions and answers on the materials, and case studies. Class participation is expected from all students.</p>
Basis	<p>Alabama Fire College and Personnel Standards Commission, Administrative Code, Chapter 360-X-19-.06: Requirements for Certified Rescue Technician Vehicle: Vehicle and Machinery Rescue</p>
Certification Requirements	<p>To be issued certification, the candidate will:</p> <ul style="list-style-type: none"> provide documentation of prerequisites. complete required training hours including skills training. successfully complete cognitive written exam. successfully complete practical exam.
Grade Assessment	<ul style="list-style-type: none"> Written Examination: Perform to a minimum 70% competency on the examination, calculated at 50% of the final score for the course. (One retest is allowed after 30 days but within one year of course end date.) Practical Examination (if applicable): 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 level of skill sheets. Skill sheets will be randomly selected by the AFC Certification Unit for this practical examination. The Practical

	<p>Examination Portion is calculated at 50% of the final score. (One retest is allowed after 30 days but within one year of course end date.)</p> <p>Example:</p> <p>Written examination - 70/100 possible points $70 \times 50\% = 35$ points awarded for written exam portion</p> <p>Practical/project - 40/100 possible points $40 \times 50\% = 20$ points awarded for practical portion</p> <p>Total Points = 55 points (student awarded F, score not 70%>)</p>
Accreditation	Alabama Fire College and Personnel Standards Commission maintains accreditation with the Pro Board and IFSAC. Each student will automatically receive national registration and certification from the NPQS upon successful completion of all requirements for certification.
Contact Information	<p>Link: Alabama Fire College Website 1-800-241-2467</p> <p>Link: Alabama Fire College Bookstore Website 1-866-984-3545</p>
Academic Misconduct	Academic misconduct or dishonesty, such as cheating and plagiarism, is not permitted in class. Suspected cases of academic misconduct will be reported to the Executive Director. Conduct detrimental to the fire service, on or off campus, will not be tolerated. AFC will investigate any complaints. If a complaint is valid, the student will be dismissed and his/her agency will be notified.
Attendance Policy	<p>Attendance will be recorded at every class or lab meeting at the beginning of class and after long breaks for required hours. For a week-long certification course, students are required to attend all sessions to obtain certification. For VA students, it is especially important because they will receive benefits only for those days in attendance.</p> <p>Special Policy: Fire Fighter I/II: Students are expected to attend all classes. Failure to appear in class for a scheduled activity will be considered an absence unless prior permission is received from the instructor. For any absence to be excused and makeup work to be allowed, it must be accompanied by a written description of extenuating circumstances.</p> <p>No-Show: Students who have registered for a fee-waived or stipend course and fail to withdraw according to Alabama Fire College withdrawal policy will not be allowed to register for another fee-waived or stipend course for a period of one year.</p> <p>Department Delivery: To qualify to attend department delivery courses, students must be Alabama residents or a member of an Alabama fire department.</p>
Tardiness	Students must adhere to class schedules. Students are required to be punctual for all classes and class activities. Classes will begin promptly at the scheduled time unless specific instructions are given otherwise.
Safety	Safety of the students is a top priority for Alabama Fire College. Students must adhere to safety regulations while attending a class at the Fire College. Safety instructions are posted in every classroom, as well as escape routes and tornado actions.
Quality Enhancement Plan	An evaluation form will be provided for each student at the end of the course. Students may use this evaluation form as a means of communicating their opinion of the overall course, course content, instructor, and facilities.
Course Schedule	<p><i>Suggested Course Schedule</i></p> <p>Day One: Chapter 1: Introduction To Vehicle Extrication Chapter 2: Extrication Incident Management Chapter 3: Vehicle Anatomy and Science Chapter 4: Extrication Equipment Chapter 5: Extrication Techniques</p> <p>Day Two: Chapter 6: Passenger Vehicle Extrication Chapter 7: Bus Extrication Chapter 10: Industrial/Agricultural Vehicle and Machinery Extrication</p> <p>Day Three: Vehicle Rescue Practical Evolutions (Drill Field)</p> <p>Day Four: Vehicle Rescue Practical Evolutions (Drill Field)</p>

<p>Day Five: Skills Testing: Scenario-Based Equipment returned to trailer Review Paperwork Survey Certification Examination <i>The schedule is subject to change.</i></p>
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