



ALABAMA FIRE COLLEGE

RESCUE TECHNICIAN: ROPE LEVEL I

SYLLABUS

FSC 221

40 CLOCK HOURS

Prerequisite(s)	<ul style="list-style-type: none"> • Certified Volunteer Fire Fighter <u>OR</u> Certified Fire Fighter I <u>OR</u> documented proof of Hazardous Materials First Responder training at the Awareness and Operations levels • Proof of course of instruction equivalent to or exceeding the DOT Medical First Responder
Course Description	<p>This course is based on NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications, and may lead to Pro Board and IFSAC certifications. This course begins with an Introduction to Technical Rescue and goes into rope rescue techniques. The classroom portion includes a review of equipment, knots, and rope safety. Instruction events include: establishing need for rope rescue; uses and limitations of equipment; knot craft; safety aspects; anchoring systems; rescue rappelling; third man rescue; lowering systems; and other aspects of rope rescue.</p>
Student Learning Objectives	<ul style="list-style-type: none"> • Construct a multi-point anchor system. • Determine incident needs as related to choosing anchor systems, effective knots, and expected loads. • Construct a compound rope mechanical advantage system. • Perform a system safety check and evaluate system components for compromised integrity. • Construct a fixed rope system. • Direct the operation of a compound rope mechanical advantage system in a high-angle environment. • Analyze the efficiency of a rope system and manage the movement of a load. • Ascend a fixed rope in a high-angle environment. • Descend a fixed rope in a high-angle environment.
Required Textbook and Course Materials	<p><u>Alabama Fire College High-Angle Rope Rescue Techniques Levels I & II</u></p> <p>Other materials:</p> <ul style="list-style-type: none"> • Coveralls • Helmet (climbing helmet) • Boots (hiking or work boots) • Work gloves (climbing or leather work gloves) • Knee and Elbow pads (optional)
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-.01: Requirements for Certified Rescue Technician: Rope Rescue I</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 AFC Certification Unit for this practical examination. The Practical 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>Example:</p>

	<p>Written examination - 70/100 possible points 70 x 50% = 35 points awarded for written exam portion</p> <p>Practical/project - 40/100 possible points 40 x 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 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: (Class) High Angle Environment, Rescue Organization; Personal Equipment and Protection; Rope & Related Equipment; Care and Use of Rope Related Equipment; Basic High Angle Equipment; Knots. (Drill Field) Knot Tying.</p> <p>Day Two: (Class) Anchoring; Belaying One Person Loads; Rescue Belaying: On Rappel; Lowering Systems. (Drill Field) Belay a Falling Load. Rappels.</p> <p>Day Three: (Class) Basic Ascending Techniques; Pickoff Rescue Techniques; Use of Litters in High Angle Rescue; Low Angle Evacuation; High Angle Lowering; Hauling System (Drill Field) Ascend 20 ft. Fixed Rope. Simple and Compound Mechanical Advantage Systems. Rope Rescue Team Operations utilized. Passing Knots Through Systems.</p> <p>Day Four: (Drill Field) Rescue Based Scenarios</p> <p>Day Five: (Drill Field) Scenario-Based JPR Skills Testing; Equipment returned to trailer. (Class) Review; Paperwork; Survey; Certification Examination</p> <p><i>The schedule is subject to change.</i></p>