

ALABAMA FIRE COLLEGE

AND PERSONNEL STANDARDS & EDUCATION COMMISSION



COURSE SYLLABUS

Technical Rescue Personnel (TRP): Rope Rescue Awareness and Operations Levels

FSC 230

40 clock hours

PREREQUISITES

- 18 years of age
- High School Diploma or GED
- Physically Capable to perform training
- Emergency Medical Care training for entry-level personnel and hazardous materials and incident contact control training for entry-level personnel
- Prior to Certification, completion of psychological support/education training

REQUIRED COURSE MATERIALS

- ***Jones & Bartlett: Rope Rescue Principles and Practice, Fifth Edition***

Other materials:

- Coveralls
- Helmet (climbing helmet)
- Boots (hiking or work boots)
- Work gloves (climbing or leather work gloves)
- Knee and Elbow pads (optional)

DESCRIPTION

This course is based on NFPA 1006: *Standard for Technical Rescue Personnel Professional Qualifications*, Chapter 5, 2021 Edition. 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, know craft, safety aspects, anchoring systems, rescue rappelling, third man rescue, lowering systems, and other aspects of rope rescue.

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

STUDENT LEARNING OBJECTIVES

- 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.

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)

Day One:	(Class) Awareness Lectures – Chapter 1: Becoming a Rope Rescuer Chapter 2: Size-Up Chapter 3: Hazards Associated with Rope Rescue Chapter 4: Initiating a Response Chapter 5: Supporting the Operations or Technician Level Incidents Lunch Break (Class) Operations Lectures – Chapter 6: Developing the Incident Action Plan Chapter 7: Hazard Specific Personal Protective Equipment Chapter 9: Ropes, Knots, Bends, and Hitches (Drill Field) Knot Tying
Day Two:	(Class) Chapter 8: Rescue Equipment Chapter 10: Principles of Rigging Chapter 11: Anchorages Chapter 12: Fall Protection and Belay Operations Chapter 14: Lowering Systems Lunch Break (Drill Field) Belay Station, Anchoring (W3P2, Pickett Systems, Multi-Point, Tensionless Hitch, Portable Anchors), Construct a Fixed Rope System, Lowering Systems
Day Three:	(Class) Chapter 13; Patient Evacuation Chapter 15: Mechanical Advantage Systems Chapter 16: Working in Suspension (Drill Field) Patient Packaging-Sked, Stokes, Victim Harnesses, Low Angle Lunch Break (Drill Field) – Mechanical Advantage, Hauling Systems, Pike and Pivot, & Knot Pass
Day Four:	(Drill Field) – Scenarios incorporating raising and lowering, Low Angle, Pike & Pivot, Knot Passing, Edge Transitions
Day Five:	Scenario-Based JPR Skills Testing, Review, 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.)