Rescue Systems I

This course is designed to provide the students with the basic skills necessary to safely work in urban search and rescue situations involving unstable and collapsed structures.

Instructors: Cpt. Steve Dankers
Course Length: 40 hours
Prerequisites: Completion of ALERT Basic Training

Text: Rescue Systems 1 Manual, Federal Emergency Management Agency, United States Fire Administration, National Fire Academy

Required Tools/Materials: Leather Gloves

Instructional Methods: Video, lectures, and hands-on practical experience

Method of Evaluation: Student progress will be based on written testing and practical performance.

Pass Requirements: Full attendance, a minimum of 80% on final test, and ability to use practical skills

Course Components:

Days	Hours	Subject
1	0.5	**Introduction:** Instructor & student introductions; course overview
	0.5	**Planning:** Preplanning; local, state, and federal resources; functions of an emergency operations center; five phases of structural collapse rescue
	2.5	**Rescue Scene Organization:** The Incident Command System; scene size up; communications; controlling the scene; obtaining resources;
	3	**Safety:** Hazards; building construction; safety procedures; personal protective equipment
	1.5	**Ropes & Knots:** Rope construction; harnesses; knots; hardware; anchors
2	3	**Rope Rescue Systems:** Lower systems, haul systems, tandem prussic belay; litter rigging; pt. packaging; low angle rescue (review from basic high angle rescue)
	5	**Ladder Systems:** Ladder gin; ladder A frame; ladder slide; moving ladder slide; ladder jib; cantilever ladder; field scenarios building ladder systems
3	6	**Lifting Heavy Objects:** Types, capabilities, and safety for tools used for lifting; determining weight of structural components; load stabilization; cribbing; field scenarios-lifting slab, moving slab, rolling cube
	2	**Basic Medical Care:** Injuries associated with structural collapse; patient immobilization; patient stabilization; patient packaging and removal
4	5	**Emergency Building Shores:** Shoring tools; shoring materials; organization; types of shoring systems; field scenarios building shoring systems
	3	**Breaching & Breaking:** Breaching / breaking through structural elements; breaching light-frame building materials; basic masonry and concrete breaking operations
5	1.5	**Search:** Information gathering; types of search; building marking systems; determining appropriate search and rescue methods
	5	**Final Drill:** A series of drills allowing the students to put to practice the skills taught throughout the class
	1.5	**Final Test**