

Colorado Outdoor Recreational Leadership Course Scope and Sequence

Course Name	Basic Search and Rescue		Course Details	Level 4 course in the Outdoor Recreational Leadership Pathway.	
			Course = 0.50 Carnegie Unit Credit		
Course Description	This course covers the basic fundamentals required for search and rescue in a wilderness environment, including tracking techniques and field trips.				
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.				
SCED Identification #		Schedule calculation based on 60% of a semester instructional time. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.			
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills					
Unit Number, Title and Brief Description	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration	
Unit 1: Search and Rescue Concepts					
Unit 2: Victim Behaviors					
Unit 3: Discussion of SAR Topics					
Unit 4: Safety, Rules, Regulations, Colorado Search and Rescue Board					
Unit 5: Demonstration of proper hard skills and techniques	Equipment Belay and Rapels Crevasse Z Pulleys Avalanche SAR Scree and Talus Ground Search Techniques	Identify the uses of various wilderness rescue equipment. List the sequential techniques for belay, rapel, Z pulley, and crevasse rescue Employ the appropriate techniques and equipment for various wilderness and rescues.			

		Apply methodology for rescue and travel on scree, talus, high-angle, and avalanche slopes. Identify the sequential steps necessary for the management of a wilderness SAR Incident		
Unit 6: Student Practice Practicals		Complete all field practicums.		
Unit 7: Leadership Roles in SAR				

Academic Standards Alignment

Colorado CTE courses are required to integrate academic and essential skills into course content. The following academic standards have been identified as aligned to this course and should be integrated throughout instruction.

[CO CTE Academic Standards Resources](#) (Rubrics, integration strategies, etc)
[CDE Colorado Academic Standards Online](#) (Online standards lookup tool)

Standard 1: Oral Expression and Listening

- Prepared Graduate 1: Collaborate effectively as group members or leaders who listen actively and respectfully; pose thoughtful questions, acknowledge the ideas of others; and contribute ideas to further the group's attainment of an objective.
 - Students work collaboratively during search and rescue scenarios, field practicums, rescue operations, and leadership activities, requiring effective communication, teamwork, decision-making, and coordination among search and rescue personnel.

Standard 2: Reading for All Purposes

- Prepared Graduate 4: Read a wide range of informational texts to build knowledge and to better understand the human experience.
 - Students interpret search and rescue procedures, victim behavior information, safety regulations, rescue protocols, equipment specifications, avalanche information, and incident management procedures to develop wilderness search and rescue competencies.
- Prepared Graduate 5: Understand how language functions in different contexts, command a variety of word-learning strategies to assist comprehension, and make effective choices for meaning or style when writing and speaking.
 - Students develop and apply specialized vocabulary related to search and rescue operations, victim behavior, incident command systems, rescue equipment, avalanche response, rope rescue systems, and wilderness emergency management.

Standard 4: Research Inquiry and Design

- Prepared Graduate 10: Gather information from a variety of sources; analyze and evaluate its quality and relevance; and use it ethically to answer complex questions.

- Students analyze victim behavior patterns, evaluate environmental hazards, assess rescue techniques and equipment management procedures, and determine appropriate search and rescue strategies for wilderness emergencies



Note: *Mathematics and Science standards will be added in the future. Visit the [Colorado Academic Standards](#) page for the most current version.*