

Associate of Applied Science: Natural Resource Management

This degree provides graduates with entry-level skills in a variety of environmental science fields. The degree combines aquatic and terrestrial resource management and characterization. Students will be trained in career fields of field monitoring, hydrology, soil science, environmental law, and others.

Graduates work in the areas of earth resources, geology, watershed science, geography, fishery and wildlife biology, forest sciences and forest biology/forest management, natural resource recreation and tourism including rangeland science and rangeland ecology, and waste management/hazardous materials. To provide four-year educational opportunities for students, Colorado Mountain College's Natural Resource Management program has signed transfer agreements with Mesa State College in Grand Junction and Western State College in Gunnison, Colorado. Please work with your advisor to meet the special requirements for each of these institutions.

The Natural Resource Management (NRM) program includes a summer internship, as well as the opportunity to work in environmental positions locally while completing the degree. The NRM program typically has work experience positions available during the academic year, as well as during the summer break.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Natural Resource Management.

The Timberline Campus Endowed Scholarship may be available to assist Natural Resource Management students. For application information, see the scholarship section.

The Associate of Applied Science Degree in Natural Resource Management is offered at Leadville. NRM courses are described in the course description section. Please see your advisor for a recommended sequence of courses.

General Education Requirements (31 credits)

🔒 BIO 111 General College Biology I with Lab	5
🔒 CHE 111 General College Chemistry I	5
* COM115 Public Speaking	3
OR	
* COM 125 Interpersonal Communication	(3)
🔒 ENG 121 English Composition I	3
🔒 ENG 122 English Composition II	3
🔒 ENV 101 Introduction to Environmental Science	4
🔒 GEY 111 Physical Geology	4
🔒 MAT 121 College Algebra	4
	31

Program Requirements (33 credits)

* AGY 240 Introductory Soil Science	4
GIS 101 Introduction to Geographic Information Systems	3
NRE 121 Introduction to Hydrology	3
NRE 187 Cooperative Education	1
NRE 211 Environmental Policies and Economics	3
NRE 289 Capstone	2
OSH 152 Hazardous Waste: Operations & Emergency Response	3
Advised Electives (ENT 141, SAO 111 & 112, GIS 131)	3-4
Advised Program Options	11-12
	33-35
Minimum Credit Hours Required	64-66
Minimum Contact Hours Required	1425-1447.5

Natural Resource Management Program Options

NRM Generalist. The Natural Resource Management Generalist option gives students additional coursework that focuses on ecological sciences and reclamation. This option will provide students with the knowledge and skills to apply environmental and ecological concepts as related to land, air, and water reclamation as well as agricultural and sustainable practices.

NRM Generalist (12 credits)

* BIO 222 General College Ecology	4
* CHE 215 Soil and Water Chemistry	3
NRE 127 Field Monitoring Techniques	2
NRE 227 Reclamation Site Monitoring	3

Hydrologic Science Option. The Hydrologic Science option provides students with more in-depth training and coursework applicable for employment as a hydrologic technician. This option will give students the necessary skills and knowledge in well installation, hydraulic testing and flume installation, water sampling and analysis, statistical analysis of hydrologic data, and application of modeling software.

Hydrologic Science Option (11 credits)

* CHE 215 Soil and Water Chemistry	3
🔒 MAT 135 Introduction to Statistics	3
NRE 127 Field Monitoring Techniques	2
NRE 221 Advanced Hydrology	3

This program operates on public lands and rivers with special permits from the U.S. Forest Service, Bureau of Land Management, Colorado State Parks, and National Park Service.

