

**GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
NATURAL RESOURCES-WATER QUALITY**



130-132 Credits

This degree program prepares graduates to work in a variety of outdoor careers. Graduates monitor stream, lake, and wetland systems for water quality and functions of physical, biological, and chemical parameters. They identify plants and animals using taxonomic keys. They assist wetlands delineation and GPS/map their location. Graduates also apply and follow environmental regulations regarding stream and wetland protection.

Students may enter the Natural Resources program in any quarter, however many natural resources classes are only offered one time each year. Correct sequencing is important!

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Dept./No.	Course Title	Credits
General Education Classes		
#CMST& 220	Public Speaking	5
#ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
GEOL& 101 and SOC& 101 or NATRS 123	Introduction to Physical Geology and Introduction to Sociology or Backcountry Watershed and Forest Assessment	10-12
PE 113	Group Dynamics Activities	1
Natural Resources Classes		
First Year Classes		
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance Computer	1
NATRS 172	Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photos, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification Wildland	8
NATRS 205	Recreation	4
NATRS 270	Stream and Wetland Ecology	5
NATRS 290	Internship Seminar	1
Second Year Classes		
NATRS 161	Wildlife Habitat Management	4
NATRS 192	GIS for Natural Resources	5
NATRS 210	Introduction to Soils	5
NATRS 271	Stream and Wetland Restoration	5
NATRS 272	Fish Identification and Habitat	5
NATRS 284	Road and Trail Engineering	7

#NATRS 286	Natural Resources Business Principles	5
NATRS 292	Resource Sampling and Appraisal in Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4
Capstone		
*NATRS 277-280	Natural Resources Internship 1-4	14

To enhance the student's preparation for future employment, the following are recommended:

Any Course	Biology, Chemistry, and Geology	5
AVIA 123	Aviation Weather	5
GEOL 117	Natural Disasters w/lab	5
HL ED 190	Standard First Aid/CPR	3
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 198, 199	Independent Study-Natural Resources 1-2	1-5
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5

Satisfies related instruction requirements.

** Complete NATRS 277-280 in summer quarter.*

Note: *Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced.*

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