

Natural Resources

Associate in Applied Science Degree

120 Credits

This degree program prepares graduates to work in a variety of outdoor careers. The growing awareness of water quality, wetland protection, reforestation, and environmentally sensitive timber harvest requires the services of technicians with a broad knowledge base. People who are trained to measure and sample the forest, its wildlife, streams and wetlands will enhance their employment opportunities. Wildlife biologists and professional foresters need technicians to efficiently produce accurate data. Park managers need knowledgeable personnel to perform maintenance duties and interpret wildland ecology for the public. Wildland firefighters are needed with current certificates of knowledge and skills.

Students may enter these professional/technical programs at the beginning of any quarter: Natural Resources with emphasis in forestry technology, and specialties in Natural Resources-GIS, Park Management, Water Quality, and Wildland Fire.

Completion of high school algebra and trigonometry courses or equivalent is recommended before beginning this program.

Students can also earn an Associate in Pre-Professional degree in natural resources.

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Dept./No.	Course Title	Credits
Complete the following courses as soon as possible, or mix into schedule:		
# Cmst& 220	Public Speaking	5
# Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
FIRST YEAR		
Fall Quarter		
Natrs 100	Introduction to Natural Resources	5
# Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Natrs 197	Wildland Recreation	4
Winter Quarter		
Natrs 161	Wildlife Habitat Management	5
# Natrs 180	Natural Resources Measurements	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
Natrs 181	Forest Navigation and Mapping	8

Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
P E 113	Group Dynamics Activities (taken concurrently with Natrs 181)	1

SECOND YEAR

Fall Quarter

Natrs 285	Forest Protection	5
# Natrs 286	Natural Resources Business Principles	5
Natrs 292	Resource Sampling and Appraisal	8

Winter Quarter

GIS 291	GIS Project Planning	2
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5
Natrs 210	Introduction to Soils	5

Spring Quarter

Natrs 294	Natural Resources Internship	14
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To enhance the student's preparation for future employment, the following are recommended:

Avia 123	Aviation Weather	(5)
Bus E 100	Fundamentals of Computers	(5)
Fores 114	Chainsaw Operation and Maintenance	(1)
Engr 106	Introduction to Engineering Problems	(3)
GIS	Any GIS class	(2-5)
HI Ed 190	Standard First Aid/CPR	(3)
Natrs 121	Introduction to Community Forestry	(4)
Natrs 122	Urban Ecology	(3)
Natrs 123	Landscape Planning and Practices	(3)
Natrs 130	Wildland Firefighter Training	(40)
Natrs 134	Intermediate Wildland Fire Behavior	(3)
Natrs 162	Biology and Conservation of Birds	(30)
Natrs 198, 199	Independent Study-Natural Resources 1-2	(1-5)
Natrs 297-299	Independent Study-Natural Resources 4-6	(1-5)
St Sk 110	College Success Strategies	(5)

Satisfies related instruction requirements

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