

Natural Resources—Geographic Information Systems Option

Associate in Applied Science Degree

115 Credits

This degree option prepares graduates to work outside collecting data using electronic equipment such as Global Positioning Systems (GPS) or ArcPad, laser range-finders, and data-loggers. Students will also work inside at a computer, downloading the data collected into databases to produce Geographic Information systems (GIS) computer-generated maps for public and private entities.

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Dept./No	Course Title	Credits
FIRST YEAR		
Fall Quarter		
# Engl& 101	English Composition I	5
GIS 121	Introduction to GIS	5
Natrs 100	Introduction to Natural Resources	5
# Natrs 172	Computer Applications Overview	4
Winter Quarter		
GIS 260	Cartography-Based GIS	5
# Natrs 180	Natural Resources Measurements	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
GIS 220	GIS Modules Analyst	5
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Aerial Photo Interpretation and Remote Sensing	5
# P E 113	Group Dynamics Activities (taken concurrently with NATRS 181)	1
SECOND YEAR		
Fall Quarter		
GIS 250	Data and Spatial Database Design	5
Natrs 285	Forest Protection	5
Natrs 286	Natural Resources Business Principles	5
Natrs 292	Resource Sampling and Appraisal	8
Winter Quarter		
# Cmst& 220	Public Speaking	5
Engl 128	Research Writing: Science/Engineering/Business	5
GIS 202	GIS Fundamentals and Theory	5
GIS 291	GIS Project Planning	2

Natrs 290	Internship Seminar	1
Spring Quarter		
GIS 270	GIS in the Field 1	5
Natrs 294	Natural Resources Internship	14

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

Bus E 101	Beginning Typing/Keyboarding	(5)
Fores 114	Chainsaw Operation and Maintenance	(1)
Geog 120	Intro to Physical Geography	(5)
HI Ed 190	First Aid and Personal Safety	(3)
Natrs 198-199 or	Independent Study-Natural Resources 1-2 or	(1-5)
Natrs 297-299	Independent Study-Natural Resources 4-6	(1-5)
St Sk 110	College Success Strategies	(5)

Satisfies related instruction requirements