

# Environmental Conservation and Management (ENVC)

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The Environmental Conservation and Management (ENVC) degree, formerly known as the Natural Resources Management (NATR) degree, prepares students to understand and manage various natural resources in the context of laws, policies, and societal needs. The curriculum provides students with knowledge and ability to manage multiple resource management issues, such as water and aquatic environments, coastal lands, ecological restoration, and urban environments.

## The objectives of the program are to provide students with:

1. Understanding of the functioning of ecosystems, including their structure, processes, and interactions among living organisms and their environment.
2. Understanding of the economic principles and tools used in the management of natural resources.
3. Knowledge of the legal and policy frameworks governing natural resource management at local, national, and international levels, including environmental regulations, land use planning, and conservation policies.
4. Knowledge of sustainable practices for the management and conservation of natural resources.

This major includes environmental conservation and management courses related to the core learning objectives, plus a required minor degree that allows students to concentrate their coursework on one of many diverse nature-based careers. Minors that can be paired with the degree among others on campus, include:

- Coastal Management
- Environmental Law
- Forest Health
- Forest Seedling Nursery Management
- Natural Resources Ecology
- Urban Forestry
- Watershed Sciences

## Freshman

Fall	Hours	Spring	Hours
BIOL 1020 Principles of Biology & BIOL 1021 Principles of Biology Laboratory		4 BIOL 1030 Organismal Biology & BIOL 1031 Organismal Biology Laboratory	4
FOWS 1010 Introduction to Renewable Natural Resources		1 ENGL 1120 English Composition II	3
Fine Arts		3 History or Social Science <sup>1</sup>	3
History		3 <b>NATR 2020 Natural Resources Field Methods</b>	3
ENGL 1100 English Composition I		3 NATR 2050 People and the Environment: An Introduction to Conservation Social Sciences	3
	<b>14</b>		<b>16</b>

## Sophomore

Fall	Hours	Spring	Hours
BIOL 3060 Ecology		4 Literature or Humanities <sup>1</sup>	3
CHEM 1030 Fundamentals Chemistry I		3 CHEM 1040 Fundamental Chemistry II	3
PARK 3010 Environmental Interpretation		3 CHEM 1041 Fundamental Chemistry II Laboratory	1
CHEM 1031 Fundamental Chemistry I Laboratory		1 ECON 2020 Principles of Microeconomics	3
Literature <sup>1</sup>		3 MATH 1130 Pre-Calculus Trigonometry	3

		Humanities		3
		<b>14</b>		<b>16</b>
<b>Junior</b>				
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>		<b>Hours</b>
<b>FOR Y 5470 GIS Applications in Natural Resources</b>		<b>2 FOR Y 5480 GIS Database Design and Analysis</b>		<b>2</b>
<b>FOR Y 3010 Forest Soils</b>		<b>3 Minor</b>		<b>6</b>
<b>FOR Y 3100 Dendrology</b>		<b>3 Restricted Management Elective<sup>2</sup></b>		<b>3</b>
Minor		3 STAT 2510 Statistics for Biological and Health Sciences <b>or</b> 2010 Statistics for Social and Behavior Sciences		3
Free Electives		5		
		<b>16</b>		<b>14</b>
<b>Senior</b>				
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>		<b>Hours</b>
Minor		3 Minor		3
<b>Restricted Management Elective<sup>2</sup></b>		<b>3 Restricted Management Elective<sup>2</sup></b>		<b>3</b>
<b>NATR 5310 Environmental Ethics</b>		<b>3 NATR 5630 Conservation Planning</b>		<b>3</b>
<b>FOWS 5270 Natural Resource Policy</b>		3 UNIV 4AA0 Achieve the Creed		0
<b>NATR 5880 Ecological Economics</b>		<b>3 NATR 5430 Human Dimensions of Wildlife and Natural Resources</b>		<b>3</b>
		Free Elective		3
		<b>15</b>		<b>15</b>
<b>Total Hours: 120</b>				

<sup>1</sup> Students must complete either a history or literature sequence.

<sup>2</sup> See College for a current list of Restricted Electives.