

**Proposed Curriculum in  
Renewable Natural Resources**

**Catalog 16-17**

**University Core Curriculum**

<b>Required Courses</b> .....	<b>(Th-Pr) Cr</b>
AGEC 105 Introduction to Agricultural Economics.....	(3-0) 3
Choose from: BIOL 101, or 113 and 123 .....	(3-3) 4
CHEM 101 and 111 Fundamentals of Chemistry I and Lab .....	(3-3) 4
RENr 215 Fundamentals of Ecology Lab .....	(0-3) 1
Communication electives <sup>1,3</sup> .....	6
Mathematics electives (MATH prefix required) <sup>1</sup> .....	6
Political Science electives <sup>1,2,3</sup> .....	6
American History electives <sup>1,3</sup> .....	6
Language, Philosophy and Culture elective <sup>1,3</sup> .....	3
Creative Arts elective <sup>1,3</sup> .....	3
	<b>42</b>

**Renewable Natural Resources  
Core Courses**

RENr 205 Fundamentals of Ecology.....	(3-0) 3
RENr 375 Conservation of Natural Resources.....	(3-0) 3
ESSM 301 Wildland Watershed Management.....	(2-2) 3
ESSM 313 Vegetation Sampling Methods and Designs of Ecosystems .....	(2-2) 3
ESSM 318 Coupled Social and Ecological Systems.....	(3-0) 3
ESSM 351 Geographic Information Systems and Resource Management.....	(2-2) 3
RENr 410 Ecosystem Management .....	(3-3) 4
<b>Introduction to Natural Resources - Choose one of the following:</b>	<b>(1 Cr)</b>
ESSM 102 Intro to Natural Resources and Ecosystem Science and Mgmt .....	(1-0) 1
WFSC 101 Introduction to Wildlife and Fisheries.....	(1-0) 1
ESSM 201 Exploring Ecosystem Science and Mgmt .....	(1-0) 1
<b>Plant or Animal Taxonomy - Choose one of the following:</b>	<b>(3 to 4 Cr)</b>
ESSM 203 Forest Trees of North America.....	(2-2) 3
ESSM 302 Wildland Plants of North America.....	(2-2) 3
ESSM 303 Agrostology.....	(1-6) 3
ESSM 304 Range Plant Taxonomy.....	(2-6) 4
WFSC 302 Natural History of the Vertebrates.....	(2-2) 3
WFSC 335 Natural History of the Invertebrates.....	(3-3) 4
<b>Policy - Choose one of the following:</b>	<b>(3 Cr)</b>
AGEC 350 Environmental and Natural Resource Economics.....	(3-0) 3
ESSM 406 Natural Resources Policy.....	(3-0) 3
RENr 470 Environmental Impact Assessment.....	(3-0) 3
WFSC 303 Wildlife Law.....	(3-0) 3

<b>Ecological Restoration - Choose 1 of the following:</b>	<b>(3 Cr)</b>
ESSM 320 Ecosystem Restoration and Management.....	(3-0) 3
WFSC 418 Ecology of the Coastal Zone.....	(3-0) 3
<b>Ecological Processes - Choose 2 of the following:</b>	<b>(6 to 8 Cr)</b>
ESSM 306 Plant Functional Ecology and Adaptation.....	(3-0) 3
ESSM 311 Biogeochemistry and Global Change.....	(3-0) 3
SCSC 301 Soil Science.....	(3-2) 4
WFSC 414 Ecology of Lakes and Rivers.....	(3-3) 4
WFSC 428 Wetland Ecosystem Management.....	(3-3) 4
<b>Seminar - Choose one of the following:</b>	<b>(1 Cr)</b>
ESSM 481 Senior Seminar .....	(1-0) 1
WFSC 481 Seminar .....	(1-0) 1
<b>Work Experience</b>	<b>(3 Cr)</b>
<b>(Students will complete an internship, study abroad or independent research experience.)</b>	
ESSM 484 Internship .....	3
RPTS 484 Internship .....	3
WFSC 484 Internship .....	3
	<b>42-45</b>
<b>Directed electives <sup>4</sup></b>	<b>24-27</b>
<b>Free electives</b>	<b>9</b>
<b>Total hours for the Renewable Natural Resources degree</b>	<b>120</b>

NOTES:

1. To be selected from the University Core Curriculum. Refer to the appropriate tables in the University Course Catalog for a list of acceptable courses.
2. Credit by examination may be used to substitute for 3 hours of POLS 206 or POLS 207.
3. The University Core Curriculum includes a requirement for 6 hours of international and cultural diversity courses. Refer to page ?? for a list of acceptable courses. A course satisfying another Core category, a college/department requirement or used as a free elective can be used to satisfy these requirements. See academic advisor.
4. To be selected in consultation with an advisor.