Proposed Curriculum in
Forestry

Catalog 16-17

University Core Curriculum

Required Courses	**(Th-Pr)**	**Cr**
AGEC 105 Introduction to Agricultural Economics	(3-0)	3
BIOL 101 Botany	(3-3)	4
or		
BIOL 113 Essentials of Biology		
HORT 201 Horticultural Science and Practices and HORT 202 Hort. Sci. and Prac. Lab		
CHEM 101 and 111 Fundamentals of Chemistry I and Lab	(3-3)	4
RENR 215 Fundamentals of Ecology Lab	(0-3)	1
American History electives [2]		6
Communication electives [2]		6
Creative Arts elective [2]		3
Government/Political Science electives [2, 3]		6
Language, Philosophy and Culture elective [2]		3
Mathematics electives (MATH prefix required)		6
		42

Ecosystem Science and Management
Core Courses

ESSM 201 Exploring Ecosystem Science and Management	(1-0)	1
ESSM 301 Wildland Watershed Management	(2-2)	3
ESSM 306 Plant Functional Ecology and Adaptation	(3-0)	3
or		
ESSM 311 Biogeochemistry and Global Change	(3-0)	3
ESSM 313 Vegetation Sampling Methods and Designs of Ecosystems	(2-2)	3
ESSM 351 Geographic Information Systems and Resource Management	(2-2)	3
ESSM 481 Senior Seminar	(1-0)	1
RENR 205 Fundamentals of Ecology	(3-0)	3
SCSC 301 Soil Science	(3-2)	4
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Forestry
Core Courses

AGEC 350 Environmental and Natural Resource Economics	(3-0)	3
ESSM 203 Forest Trees of North America	(2-2)	3
ESSM 300 Field Studies in Forest Ecosystems	(1-6)	3
ESSM 307 Forest Protection	(2-2)	3
ESSM 309 Forest Ecology	(3-0)	3
ESSM 310 Forest Tree Improvement and Regeneration	(3-0)	3
ESSM 319 Principles of Forestry	(3-3)	4
ESSM 324 Forest Measurements	(0-4)	2
ESSM 360 Forest Measurements	(2-2)	3
ESSM 405 Forest Resource Assessment and Management (W)	(1-4)	3
ESSM 406 Natural Resources Policy	(3-0)	3
Emphasis Area electives [1]		18
Free electives		6
		57
Total hours for the Forestry Degree		**120**

NOTES:
[1] To be selected in consultation with an advisor.
[2] The graduation requirements include a requirement for 6 hours of international and cultural diversity courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. See academic advisor.
[3] Credit by examination may be used to substitute for 3 hours of POLS 206 or POLS 207.