

**Interpretation of Natural Resources Option – Forestry
Coursework Requirements - 2009-2011 Catalog
34 Total Credits**

Required Courses

A ECL 365	Vertebrate Biology	4 cr
A ECL 366	Natural History of Iowa Vertebrates	3 cr
BIOL 212, 212L	Principles of Biology II and Lab	4 cr
BIOL 366	Plant Systematics	4 cr
ENT 370	Insect Biology	3 cr
FOR 452	Forest Ecosystem Management	3 cr
NREM 303	Internship	1 cr
NREM 330	Interpretation of Natural Resources	3 cr
NREM 430	Media Techniques in Interpretation	3 cr
NREM 104	Practical experience requirement	R

28 credits

Restricted Electives

Earth Sciences

AGRON 206	Introduction to Meteorology	3 cr
ASTRO 120	The Sky and the Solar System	3 cr
GEOL 100	The Earth	3-4 cr
GEOL 101	Environmental Geology	3 cr
GEOL 108	Introduction to Oceanography	3 cr

A minimum of 6 credits

Select one course from list:

Policy Elective

FOR 453	Forest Resource Policy and Administration	3 cr
NREM 385	Natural Resource Policy	3 cr
NREM 460	Controversies in Renewable Resource Mgmt.	3 cr

Select one course from list:

Suggested Sequence of Courses

Interpretation of Natural Resources Option – Forestry*

Freshman Year

Biol 211	Principles of Biology	3	Math 150	Math for Social Sciences	3
Biol 211L	Prin. of Biology Lab.	1	Chem 163	General Chemistry	4
NREM 110	Orientation in NREM	R	Chem 163L	General Chemistry Lab	1
Engl 150	Critical Thinking & Comm	3	Stat 101	Intro to Statistics	4
Math 140	College Algebra**	3	Lib 160	Library Instruction	0.5
NREM 120	Intro. Renew Resources	3	Free Elective		3
Soc130/134	Sociology Elective	<u>3</u>	NREM 211	Careers in Nat. Res.	<u>1</u>
		<u>16</u>			<u>16.5</u>

Sophomore Year

For 201	Forest Biology	2	Sp Cm 212	Fund. of Public Speaking	3
For 202	Wood Utilization	2	Engl 250	W/O/V/E Communications	3
For 203	Resource Meas./Eval.	2	Biol 212	Prin. of Biology II	3
For 204	Ecosys. Decision-Making	2	Biol 212L	Prin. of Biology II Lab	1
For 205	Integrated Forestry Lab	3	International Perspective Elective		3
For 206	Fall Forestry Camp	<u>4</u>	Agron 154	Fund. of Soil Science	<u>3</u>
		<u>15</u>			<u>16</u>

Junior Year***

A ECL 365	Vertebrate Biology	4	For 302	Silviculture	3
ENT 370	Insect Biology	3	For 451	For. Econ./Quant. Methods	4
Earth Science Elective		3	NREM 330	Interpretation of Nat. Res.	3
Ethics Elective		3	US Diversity Requirement		3
Humanities Elective		<u>3</u>	A ECL 366		3
		<u>16</u>	NREM 303		<u>1</u>
					<u>17</u>

Senior Year***

NREM 430	Media Tech. in Interp	3	Policy Elective		3
For 452	Forest Ecosystem Mgmt.	3	For 454	Forestry Practicum	3
Communications Elective		3	Biol 366	Plant Systematics	4
Free Electives		<u>7</u>	Free Electives		<u>6</u>
		<u>16</u>			<u>16</u>

* To complete degree program in 4 years students must maintain an average of 16 credits per semester.

** Initial math course is determined on the basis of high school math and placement test scores. A non-credit math course (Math 10) may be required at additional cost.

*** In scheduling coursework, students should pay particular attention to courses with limited offerings (e.g., offered only on alternate years) and to course sequences (i.e., where a course serves as a prerequisite for another course).

Note: In addition to coursework listed above, students must complete departmental requirements for Practical Work Experience requirement (NREM 104). See <http://www.nrem.iastate.edu/students/work_experience.php> for details.