

**Interpretation of Natural Resources Option – Forestry
Coursework Requirements - 2016-2017 Catalog
34 Total Credits**

Required Courses

A ECL 365
A ECL 366
BIOL 212, 212L
BIOL 366
ENT 370
FOR 452
NREM 303
NREM 330
NREM 104

25 credits

Vertebrate Biology	4 cr
Natural History of Iowa Vertebrates	3 cr
Principles of Biology II and Lab	4 cr
Plant Systematics	4 cr
Insect Biology	3 cr
Ecosystem Management	3 cr
Internship	1 cr
Interpretation of Natural Resources	3 cr
Practical experience requirement	R

Restricted Electives

Earth Sciences

AGRON 206
ASTRO 120
GEOL 100
GEOL 101
GEOL 108

A minimum of 9 credits

Select one course from list:

Introduction to Weather & Climate	3 cr
The Sky and the Solar System	3 cr
The Earth	3-4 cr
Environmental Geology	3 cr
Introduction to Oceanography	3 cr

Botany

BIOL 474
FOR 356

Select one course from list:

Plant Ecology	3 cr
Dendrology	4 cr

Policy Elective

NREM 385
NREM 460

Select one course from list:

Natural Resource Policy	3 cr
Controversies in Natural Resource Mgmt.	3 cr

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	1	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	1
NREM 120	Intro. Renew Resources	3	Free Elective		3
Soc	Sociology Elective	3	NREM 211	Careers in Nat. Res.	1
		<u>17</u>			<u>17</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	Required Elective		3
For 206	Fall Forestry Camp	4	Agron 154	Fund. of Soil Science	3
		<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
Required Elective		3	Required Elective		3
Free Elective		3	A ECL 366		3
		<u>16</u>			<u>16</u>

Senior Year***

FOR 452	Ecosystem Mgmt.	3	Policy Elective		3
Free Electives		4	For 454	Forestry Practicum	3
NREM 303	Internship	1	Biol 366	Plant Systematics	4
Botany Elective		4	Free Electives (as needed)		3
Communications Elective		3	Required elective		3
		<u>15</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/workexperience> for details.