

Curriculum in Forestry 2009-2011 Catalog

Cr. Core Degree Requirements

12.5 Interpersonal and Public Communication Skills

ENGL 150, 250 (with grades of C or better); a communications elective (ENGL 302 or 309 or 314); LIB 160; SP CM 212 (with a grade of C or better)

22 Mathematical, Physical and Life Sciences

AGRON 154; BIOL 211, 211L; CHEM 163, 163L; MATH 140, 150; STAT 101 or 104

29 Forestry

FOR 201, 202, 203, 204, 205, 206, 302, 451, 454; NREM 110, 120, 211

15 Ethics, Humanities, Social Sciences, U.S. Diversity and International Perspectives

Three credits in ethics (see: < <http://www.agstudent.iastate.edu/agriculturestudentservices/ethicslist.html> > for current list); three credits in humanities (see: <http://www.agstudent.iastate.edu/agriculturestudentservices/humanities.htm> for current list); SOC 130 or 134; three credits in U.S. diversity (see: <http://www.iastate.edu/~registrar/courses/diversity-list.html> for current list); and three credits in international perspectives (see: <http://www.iastate.edu/~registrar/courses/ip-list.html> for current list).

R Practical experience requirement (NREM 104). See <http://www.nrem.iastate.edu/students/work_experience.php > for details.

78.5 Total Core Credits

Students in the College of Agriculture are required to complete three credits in communication embedded course work, problem-solving embedded course work, three credits in environmental embedded course work, and demonstrate computer proficiency according to procedures established by the department. All options satisfy the embedded course requirements automatically in their core requirements.

Normally, students will be expected to complete the mathematical sciences, physical sciences, and biological science requirements by the end of their sophomore year. Many of these courses are prerequisites for advanced-level coursework. Students also are expected to choose one of the following options by the end of their sophomore year.

Cr. Options

35 Forest Ecosystem Management

BIOL 212, 212L, FOR 280, 342, 356, 416, 452; MATH 151 or 181; NREM 301, 345; one course from FOR 453 or NREM 385 or 460.

34 Interpretation of Natural Resources

A ECL 365, 366; BIOL 212, 212L, 366; ENT 370; FOR 452; NREM 303, 330, 430; one course from FOR 453 or NREM 385 or 460; one course from AGRON 206, ASTRO 120, GEOL 100, 101, or 108.

44 Natural Resource Conservation and Restoration

A ECL 312, BIOL 212, 212L, 204; FOR 356, 416, 452; one course from FOR 453 or NREM 385 or 460; MATH 151 or 181; NREM 301, 330, 390, and 407; 3 credits from approved departmental list

40 Sustainable Materials Science and Technology

CHEM 231, 231L; ECON 101; FOR 280, 480, 481, 483, 485, 486, 487; MATH 151 or 181; MKT 340; STAT 401

37 Urban and Community Forestry

BIOL 212, 212L; C R P 253 or 270; FOR 280, 356, 416, 452, 475; one course from FOR 453 or NREM 385 or 460; HORT 342 or 344; MATH 151 or 181; SOC 310 or 382

5.5 – 15.5 Free Electives

128 Total Credits

Suggested Course Sequence *

Freshman Year

FALL

Biol 211	Principles of Biology	3
Biol 211L	Prin. of Biology Lab.	1
NREM 110	Orientation in NREM	R
Engl 150	Critical Thinking & Comm	3
Math 140	College Algebra ^a	3
NREM 120	Intro. Renew. Resources	3
Soc 130/134	Sociology Elective	3
		16

SPRING

Math 150	Math for Bus & Soc Sc	3
Chem 163	General Chemistry	4
Chem 163L	General Chemistry Lab	1
Stat 101	Intro. To Statistics	4
Lib 160	Library Instruction	0.5
Free Elective		3
NREM 211	Careers in Nat. Res	1
		16.5

Sophomore Year

For 201	Forest Biology ^o	2
For 202	Wood Utilization ^o	2
For 203	Res. Meas./Eval. ^o	2
For 204	Ecosys. Decision-making ^o	2
For 205	Integrated Forestry Lab ^o	3
For 206	Fall Forestry Camp ^o	4
		15

Sp Cm 212	Fund. of Public Speaking	3
Engl 250	W/O/V/E Communications	3
Biol 212, 212L or For 280		4
International Perspectives Elective		3
Agron 154	Fund. of Soil Science	3
		16

Junior Year* Senior Year*

* Students are required to complete the core curriculum courses suggested for the freshman and sophomore years before declaring an option. The academic adviser will review the student's coursework and must approve the option before it will be recognized by the department.

- a. 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.
- b. Students enroll only in the designated Forestry courses for fall semester of the sophomore year. These courses will be interrupted during the semester for the three-week Fall Forestry Camp (FOR 206). A special fee will be assessed for the Fall Camp.

Note: Students must demonstrate communication proficiency by earning a grade of C or better in 6 credits of written composition and 3 credits of speech fundamentals.