



**Curriculum Sheet
Bachelor of Science Degree
Forest Science Major**

CALS Graduation Eligibility Requirements

- Minimum of 120 degree credits**
- Minimum 2.0 Cumulative GPA**
- Last 30 Credits in Residence**

Advisor/Advisee Notes:

UW Requirements

Courses may not double count within university requirements, but courses counted toward university requirements may also be used to satisfy a college requirement &/or a major requirement.

- Communication Part A (2-3 cr.)** Designated "a" in the Course Guide.
- Communication Part B (2-3 cr.)** Designated "b" in the Course Guide.
- Quantitative Reasoning Part A (3 cr.)** Designated "q" in the Course Guide.
- Quantitative Reasoning Part B (3 cr.)** Designated "r" in the Course Guide.
- Ethnic Studies (3 cr.)** Designated "e" in the Course Guide.
- Humanities/Literature/Arts (6 cr.)** Designated H, L, X, or Z in the Course Guide.
- Social Sciences (3 cr.)** Designated S, W, Y, or Z in the Course Guide.

CALS Requirements

Courses may not double count within college requirements, but courses counted toward college requirements may also be used to satisfy a university requirement &/or a major requirement.

- First-Year Seminar (1 cr.)** See DARS or <http://www.newstudent.wisc.edu/practices/CALS.php> for full list.
Students who transfer into CALS after freshman year and continuing students who move to the B.S. degree should consult with Undergrad Programs & Services (116 Ag Hall) regarding completion of this requirement.
- International Studies (3 cr.)** List of eligible International Studies courses can be found at:
<http://www.cals.wisc.edu/academics/curriculum-information/cals-international-studies-courses/>
Must complete 3 credits of International Studies coursework.
- Physical Science Fundamentals (3 cr.)** Must complete one General Chemistry course from the following list: CHEM 103, 108, 109. Consult major requirements prior to selecting.
- Biological Science (5 cr.)** Designated B or Y in the Course Guide.
- Additional Science (3 cr.)** Designated B, P, N, W, X, or Y in the Course Guide.
- Science Breadth (3 cr.)** Designated B, P, N, S, W, X, or Y in the Course Guide.

Possible Overlaps Between UW, CALS, & Major Requirements

- Communication Part B
- Quantitative Reasoning Part A
- Quantitative Reasoning Part B

Humanities/Literature/Arts

Social Sciences

International Studies

Physical Science Fundamentals

Biological Science

Additional Science

Science Breadth

Forest Science Major Requirements

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement &/or a college requirement. A minimum of 15 credits must be completed in the major that are not used elsewhere.

F&W ECOL 360 is recommended to fulfill the CALS International Studies requirement (also listed under major requirements).

Mathematics and Statistics (8 cr.)

_____ MATH 112 (q) and 113 or MATH 114 (q) or may be satisfied by placement exam (q)

_____ STAT 224 (r) or 301 (r) or 371* (r)

*Recommended

Chemistry (4-5 cr.)

_____ CHEM 103 (P) or 108 (P) or 109 (r, P)

Biology (10 cr.)

_____ One of the following sets:

*ZOOLOGY 101 (B) and 102 (B) and BOTANY 130 (B)

BIOLOGY/BOTANY/ZOOLOGY 151 (B) and 152 (b, B)

BIOCORE 301 (381, effective Spr. 2014) (B) and 302 (382, effective Spr. 2014) (b, B) and

303 (383, effective Spr. 2014) (B) and 304 (384, effective Spr. 2014) (b, B)

*Recommended introduction to biology sequence

Economics (3-4 cr.)

_____ A A E 215 (r, S) or ECON 101 (r, S)

* AAE 215 only carries QR-B credit if taken Fall 2011 or later.

Conservation (2-4 cr.)

_____ One of the following courses*: ENVIR ST 361 (B), F&W ECOL 360*** (B), 565 (B),

651*** (r), GEOG 339 (can be taken for either 3 or 4 cr.)(S)

*These courses may double count as track electives.

***Recommended

Core (43-44 cr.)

Grade of C or better required in each core course.

_____ SOIL SCI 301 (P)

_____ F&W ECOL 100 (B)

_____ F&W ECOL 300 (B)

_____ F&W ECOL 371 (effective Fall 2013) or 301 (P) or 375 Intro to Remote Sensing or GEOG

377 (P)

_____ F&W ECOL 309 (B)

_____ F&W ECOL 399

_____ BOTANY/F&W ECOL 402 (B)

_____ F&W ECOL 410* (B)

_____ F&W ECOL 415 (B)
 _____ ENTOM/F&W ECOL 500 (B)
 _____ F&W ECOL 501
 _____ ENVIR ST/F&W ECOL 515 (B)
 _____ F&W ECOL 550* (B)
 _____ A A E/ENVIR ST/F&W ECOL 652* (r, B)
 _____ F&W ECOL 658

*Lab component required, must be taken for 4 credits

Electives (12 cr.)

Complete all the requirements for one of the following tracks:

Forest Management Track

_____ Take 12 credits from any of the courses listed below:

Soils and Landscapes: F&W ECOL 565 (B), GEOG 329 (P), SOIL SCI 325 (P), 451 (P)

Economics and Business:
A A E 343 (S), 344 (244, effective Spr. 2014) (S), 419, GEN BUS 310, 311, INTL BUS 200 (S), L SC COM 270, M H R 300 (S), 305 (S), 401, OTM 300

Urban and Wildland Forest Management: ENTOM 541 (B), ENVIR ST 368 (S), F&W ECOL 375 (Tree Stability Analysis), HORT 263 (B), 326 (P), 375 (Aboriculture)

GIS/Remote Sensing: ENVIR ST 400 (Fieldcraft & Field Methods for Environmental Researchers), 556, 575 (P), 695, F&W ECOL 302 (P) or 372, GEOG 370 (P), 377 (P), 378

Wildlife and Fisheries Ecology: F&W ECOL 306 (B), 318 (B), 360 (B), 375 (Wildlife-Habitat Relationships), 379 (B), 404, 655 (B), ZOOLOGY 315 (B), 316 (B), 510 (B), 511 (B), 520 (B), 521 (B), 548 (B), 651 (r)

Forest Conservation Track

_____ Take 3 credits from each of the four lists below:

Plant Ecology and Diversity:

BOTANY 332 (B), 360 (B), 401 (B), 422 (B), 455 (B), F&W ECOL 635, GEOG 338 (S)

Animal Ecology and Diversity: ENTOM 302 (B), 342 (B), 473 (B), F&W ECOL 306 (B), 375 (Wildlife-Habitat Relationships), 655 (B), ZOOLOGY 315 (B), 316 (B), 510 (B), 511 (B), 520 (B), 521 (B), 548 (B)

Conservation Biology: ENVIR ST 361 (B), F&W ECOL 360 (B), 565 (B), 651 (r), GEOG 339 (S), ZOOLOGY 410 (B), 548 (B)

Natural Resources Management and Policy: A A E 343 (S), 344 (244, effective Spr. 2014) (S), 531 (S), ENVIR ST 368 (S), 449 (S), 575 (P), F&W ECOL 379 (B), 450 (S), 452 (H, S), 561 (B), 565 (B), GEOG 377 (P), LAND ARC 666 (B)

Forests and Environment Track

_____ Take 12 credits from any of the courses listed below:

Earth and Atmospheric Science: ATM OCN 100 (P), 171 (P), 332 (P), 472 (P), 535 (P), GEOG 329 (P), 342 (S), MICROBIO 303 (B), 304 (B), SOIL SCI 321 (P), 323 (B), 325 (P), 451 (P)

Plant and Animal Ecology: BOTANY 332 (B), 401 (B), 422 (B), 455 (B), 460 (r, B), ENTOM 302 (B), 342 (B), 473 (B), ENVIR ST 361 (B), F&W ECOL 306 (B), 318 (B), 360 (B), 375 (Wildlife-Habitat Relationships), 565 (B), 635, 651 (r), 655 (B), ZOOLOGY 315 (B), 316 (B), 510 (B), 511 (B), 520 (B), 521 (B), 548 (B)

Natural Resources Management: ENTOM 541 (B), ENVIR ST 367, 411 (P), 575 (P), 671 (S), F&W ECOL 302 (P), 379 (B), GEOG 377 (P), PL PATH 300 (B), LAND ARC 666 (B)

Human Dimensions of Resources: A A E 343 (S), 344 (244, effective Spr. 2014) (S), 531 (S), C&E SOC 248 (S), 266 (S), ENVIR ST 307 (L), 353 (H), 368 (S), 441 (H, S), 460 (H, S), F&W ECOL 450 (S), 452 (H, S), GEOG 339 (S)

Capstone (3 cr.)

Grade of C or better required in Capstone.

_____ F&W ECOL 590

Forest Science Major Bachelor of Science Degree
SAMPLE Four-Year Plan
 Last Updated: July 2012

This Sample Four-Year Plan is a tool to assist you and your advisor in planning your academic career. Use it along with the Curriculum Sheet for your program, your DARS report, and the Course Guide.

	Fall Semester Sample Courses	Credits	Fall Semester Actual Courses	Credits	Spring Semester Sample Courses	Credits	Fall Semester Actual Courses	Credits
Year 1	F&W ECOL 100 ECONOMICS MATH 112, 113, OR 114 COMM-A INTER-AG 155 (1 st Yr Seminar) ELECTIVES (to reach ~15 cr.) ¹	2 3-4 2-5 3 1 0-3 15			MATH 113 or 114 CHEM 103, 108, or 109 BOTANY 130 ² ELECTIVES (to reach ~15 cr.)	2-5 4-5 5 0-4 15		
Year 2	ZOOLOGY 101 & 102 SOIL SCI 301 F&W ECOL 402 F&W ECOL 415	5 4 2 3 14			F&W ECOL 300 GEOG 377 ³ STATISTICS ELECTIVES	3 3 9 15		
	Summer (following 2nd or 3rd Year): F&W ECOL 658 (3 cr., even #’d summers) and F&W ECOL 399 (1 cr.) – 4 cr. total.							
Year 3	F&W ECOL 550 F&W ECOL 500 (odd falls only) TRACK COURSE ELECTIVES	4 4 3 3 14			F&W ECOL 410 F&W ECOL 501 (odd springs only) TRACK COURSE ELECTIVES	4 1 3 6 14		
Year 4	F&W ECOL 590 (CAPSTONE) F&W ECOL 309 CONSERVATION COURSE (or spring) TRACK COURSE ELECTIVES (to reach ~15 cr.)	3 3 2-4 3 3 14-16			F&W ECOL 652 F&W ECOL 515 TRACK COURSE ELECTIVES	4 3 3 6 16		

Notes:

¹When choosing electives, students should first consider UW and CALS requirements (ethnic studies, humanities, social science, international studies, etc.)

²BOTANY 130 + ZOOLOGY 101 & 102 are strongly recommended to satisfy the Introductory Biology requirement for Forest Science, but students may use ZOOLOGY 151 & 152.

³F&W ECOL 301 is available in Fall semesters only.

Students may reduce the number of required courses via: testing out of Comm-A; using ZOOLOGY 152 to satisfy Comm-B; testing out of Quantitative Reasoning, Part A; earning AP/IB credits; and/or using F&W ECOL 360 to satisfy International Studies requirement.