



**Curriculum Sheet
Bachelor of Science Degree
Wildlife Ecology 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/students/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
First-Year Seminar
International Studies
Physical Science Fundamentals
Biological Science
Additional Science
Science Breadth

Wildlife Ecology 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 Breadth courses and Natural Resources major requirements).

Mathematics and Statistics (8-9 cr.)

_____ MATH 112 (q) and 113 or MATH 114 (q) or 171 (q) or may be satisfied by placement exam (q)
_____ STAT 224 (r) or 301 (r) or 371 (r) or 541 (r) or 571 (r)

Chemistry (4-5 cr.)

_____ CHEM 103 (P) or 108* (P) or 109 (r, P)
*Only for Natural Resources Students

Biology (10 cr.)

_____ One of the following sets:
*BIOLOGY/BOTANY/ZOOLOGY 151 (B) and 152 (b, B)
ZOOLOGY 101 (B) and 102 (B) and BOTANY 130 (B)
BIOCORE 303 (383, effective Spr. 2014) (B) and 304 (384, effective Spr. 2014) (b, B) and 323 (485, effective Spr. 2014) (B) and 324 (486, effective Spr. 2014) (B)
*Recommended introduction to biology sequence

Core

Wildlife Ecology (17 cr.)

_____ F&W ECOL 101
_____ F&W ECOL 306 (B)
_____ F&W ECOL 318 (B)
_____ F&W ECOL 379 (B)
_____ F&W ECOL 561 (B)
_____ F&W ECOL 655 (B)

Plant Taxonomy (4 cr.)

_____ BOTANY 400 or 401 (B)

(Core continues on next page.)

Anatomy/Physiology (3-5 cr.)

_____ One of the following courses: COMP BIO 404, F&W ECOL 401* (B), PHYSIOL 335 (B), ZOOLOGY 430 (B) or 611 (B)

*Recommended

Evolution/Genetics (3-5 cr.)

_____ ZOOLOGY 410 (B) or 466 (B) or BIOCORE 301 (381, effective Spr. 2014) (B) and 302 (382, effective Spr. 2014) (b, B)(only allowed for students who completed the rest of the Biocore curriculum listed above under Biology)

Wildlife Biology (5-6 cr.)

_____ [ZOOLOGY 520 (B) and 521 (B)]* or [ZOOLOGY 510 (B) and 511 (B)]

*Required for TWS certification

Breadth (3 cr.)

_____ 3 credits from the following: AGRONOMY 370, ENVIR ST 361 (B), 375 (B), F&W ECOL 360 (B), 375 (Conservation Genetics), 375 (Wildlife-Habitat Relationships), 402 (B), 404, 424, 515 (B), 548 (B), 550 (B), 565 (B), 632, 633, 634, 651 (r), ZOOLOGY 315 (B), 316 (B), 504 (B), 535, 548 (B)

Courses used in this category cannot be double counted towards any other major requirement.

Tracks within Major

Complete all the requirements for one of the following tracks:

Natural Sciences Track (14-15 cr.)

Mathematics

_____ MATH 211 (r) or 217 (r) or 221 (r)

Physical Sciences

_____ CHEM 104 (P)*

_____ PHYSICS 103 (r, P) or 201 (r, P) or 207 (r, P)

*If CHEM 109 was taken instead of CHEM 103, CHEM 104 is not required.

Natural Resources Track (14-17 cr.)

Wildlife Resource Electives

_____ Take two of the following three courses: F&W ECOL 375 (Wildlife-Habitat Relationships), 404, 515 (B)

Conservation Biology

_____ F&W ECOL 360 (B) or 651 (r)

Forest Management

_____ F&W ECOL 410 (B) or 452 (H, S) or 500 (B) or 652 (r, B) or 658

Natural Resources Management Electives

_____ One of the following courses: C&E SOC 248 (S)(3 cr.), 434 (S)(3 cr.), 541 (S)(3 cr.), F&W ECOL 335 (B)(3 cr.), 531 (S)(3 cr.), ENVIR ST 339 (S)(3-4 cr.), 343 (S)(3-4 cr.), 368 (S)(2 cr.), 449 (S)(3-4 cr.), 575 (P)(3 cr.)

Capstone (3 cr.)

_____ F&W ECOL 590 or 599 or 375 (Complexity and Conservation of White-Tailed Deer) or see advisor