Curriculum Sheet
Bachelor of Science Degree
Forest Science Major

UW Gen Ed & CALS BS Requirements Met by Fulfilling Forest Science Major Requirements:
- Social Sciences
- Quantitative Reasoning Part A
- Quantitative Reasoning Part B
- Physical Science Fundamentals
- Biological Science
- Additional Science
- Science Breadth
- Capstone

UW Gen Ed & CALS BS Requirements That May be Met by Fulfilling Forest Science Major Requirements:
- Communication Part B
- Humanities/Literature/Arts
- International Studies

UW Gen Ed & CALS BS Requirements That Are Not Met by Fulfilling Forest Science Major Requirements:
- First-Year Seminar
- Communication Part A
- Ethnic Studies

120 Credits

UW General Education & CALS Bachelor of Science Requirements

Courses in this box may **not** double count within this box except for the First-Year Seminar, Communication Part B, and International Studies requirements.

- **120 credits** Minimum number of degree credits necessary for graduation.
- **Minimum 2.0 Cumulative GPA**
- **Last 30 Credits in Residence**
- **First-Year Seminar (1 cr.)** Select from: INTER-AG 155, COUN PSY 125, F&W ECOL 101, and any FIG
  *Some First-Year Seminar courses have restrictions on enrollment.*
- **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, or Z in the Course Guide.

- **International Studies (3 cr.)** List of eligible International Studies courses can be found at: [http://www.cals.wisc.edu/students/currentStudents/CALS_international_studies_courses.php](http://www.cals.wisc.edu/students/currentStudents/CALS_international_studies_courses.php)
- **Physical Science Fundamentals (3 cr.)** Must take one General Chemistry course from the following list: CHEM 103, 108, 109. Consult major requirements prior to selecting.
- **Biological Science (5 cr.)** Designated B 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.
Forest Science Major Requirements

Courses within the major may not be double counted with other courses in the major unless expressly allowed.

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:
        *ZOOLEGY 101 (B) and 102 (B) and BOTANY 130 (B)
        BIOLOGY/BOTANY/ZOOLEGY 151 (B) and 152 (b, B)
        BIOCORE 301 (B) and 302 (b, B) and 303 (B) and 304 (b, B)
*Recommended introduction to biology sequence

Economics (3-4 cr.)
______A A E 215 (S) or ECON 101 (r, S)

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)
*Recommended

Core (42 cr.)
______SOIL SCI 301 (P)
______F&W ECOL 100 (B)
______F&W ECOL 300 (B)
______F&W ECOL 301 (P) or 375 Intro to Remote Sensing
______F&W ECOL 399
______BOTANY/F&W ECOL 402 (B)
______F&W ECOL 410* (B)
______F&W ECOL 415 (B)
______ENTOM/F&W ECOL/PL PATH 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**: AA E 343 (S), 344 (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), GEOG 370 (P), 377 (P), 378
- **Wildlife and Fisheries Ecology**: F&W ECOL 306 (B), 318 (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)

#### 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**: AA E 343 (S), 344 (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), F&W ECOL 306 (B), 318 (B), 375 (Wildlife-Habitat Relationships), 565 (B), 635, 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**: AA E 343 (S), 344 (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)

#### Capstone (3 cr.)
_____ F&W ECOL 590 or see advisor

Courses may be double counted between the major and General Education/CALS requirements, but a minimum of 15 credits must be earned within the major that are not double counted elsewhere.