PLANT BIOLOGY: ECOLOGY AND EVOLUTIONARY BIOLOGY, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 120

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>1</td>
</tr>
</tbody>
</table>

American History & Government
HIST 1103 | Survey of American History | 3 |
or HIST 1483 | American History to 1865 (H) | 3 |
or HIST 1493 | American History Since 1865 (DH) | 3 |

Analytical & Quantitative Thought (A)
MATH 1613 | Trigonometry (A) (or higher) | 3 |

STAT 4013 | Statistical Methods I (A) | 3 |
or STAT 2013 | Elementary Statistics (A) | 3 |

Humanities (H)
Courses designated (H) | 6 |

Natural Sciences (N)
Must include one Laboratory Science (L) course

BIOL 1114 | Introductory Biology (LN) | 4 |

PHYS 1114 | College Physics I (LN) | 4 |

Social & Behavioral Sciences (S)
Courses designated (S) | 3 |

Additional General Education
Courses designated (A), (H), (N), or (S) | 6 |

Hours Subtotal | 41 |

Diversity (D) & International Dimension (I)
May be completed in any part of the degree plan
Select at least one Diversity (D) course
Select at least one International Dimension (I) course

College/Departmental Requirements
First Year Seminar
(Transfer students with 15 hours exempt) | 1 |

Arts & Humanities
See note 2.a. | 3 |

Natural & Mathematical Sciences
CHEM 1314 | Chemistry I (LN) | 4 |
CHEM 1515 | Chemistry II (LN) | 5 |

Foreign Language
See note 3

0-6 hours

Upper-Division General Education
Select 6 hours outside major department
See note 2.c.

Hours Subtotal | 13 |

Major Requirements
Core Courses
BIOL 3023 | General Genetics | 3 |
BIOL 3034 | General Ecology | 4 |
BIOL 4133 | Evolution | 3 |
PBIIO 1404 | Plant Biology (LN) | 4 |
PBIIO 4005 | Field Botany | 4-5 |
or PBIIO 3114 | Plant Taxonomy | |
PBIIO 4400 | Undergraduate Research | 1 |
7 additional hours of PBIIO courses. | 7 |
Select one of the following: | 5-8 |

CHEM 3013 | Survey of Organic Chemistry | |
& CHEM 3012 | and Survey of Organic Chemistry Laboratory | |

CHEM 3053 | Organic Chemistry I | |
& CHEM 3112 | and Organic Chemistry Laboratory | |
& CHEM 3153 | and Organic Chemistry II | |

Related Courses
Minimum of 10-14 hours of upper-division coursework (no more than 3 hours of general education courses) from the following:

BIOC; BIOL; CHEM; CS; ENTO; ENVR; GEOG; GEOL; HORT; MATH; MICR; NREM; PBIIO; PHYS; PLNT; PLP; SOIL; or STAT.

Hours Subtotal | 45 |

Electives
Select 21 hours | 21 |
May need to include 6 hours of a foreign language (see note 3)
May need to include 6 hours upper-division general education outside major department (see note 2.c.)

Hours Subtotal | 21 |

Total Hours | 120 |

1 College and Departmental Requirements that may be used to meet Gen Ed Requirements.

Other Requirements
- See the College of Arts and Sciences Requirements.
- Minimum GPA of 2.00 in all PBIIO courses.
- Upper-Division Credit: Total hours must include at least 40 hours in courses numbered 3000 or above.
- Hours in One Department: For B.A. and B.S. degrees, no more than 54 hours in one department may be applied to degree requirements.
College of Arts and Sciences
Requirements

1. General Education Requirements
   No more than two courses (or eight hours) from the major
department may be used to meet General Education and College
and Departmental Requirements. The General Education required English
Composition, required U.S. History, required American Government,
one required MATH or STAT course, and required foreign language for
B.A. degrees do not count against the two-course maximum.

2. A&S College/Departmental Requirements
   a. Arts and Humanities are defined as any course carrying an
      (H) designation or courses from AMST, ART, DANC, ENGL
      (except ENGL 3323 Technical Writing); HIST, MUSI, PHIL (except
      PHIL 1313 Logic and Critical Thinking (A), PHIL 3003 Symbolic
      Logic (A) and PHIL 4003 Mathematical Logic and Computability),
      REL, TH, and foreign languages.
   b. Natural and Mathematical Sciences are defined as any course
      from the following prefixes: ASTR, BIOC, BIOL, CHEM, CS (except
      CS 4883 Social Issues in Computing), GEOL, MATH, MICR, PBIO,
      PHYS, and STAT; or courses from other departments that carry an
      (A) or (N) general education designation.
   c. The required six hours of upper-division General Education may
      not include courses from the student's major department. This
      requirement may be satisfied by courses also used to satisfy any
      part of a student's degree program (i.e., in General Education,
      College Departmental Requirements, Major Requirements or
      Electives).
   d. Non-Western Studies Requirement for B.A. and B.F.A.; One 3-hour
      course in Non-Western Studies (N.W.). This requirement may be
      satisfied by courses also used to satisfy any part of a student's
      degree program (i.e., in General Education, College Departmental
      Requirements, Major Requirements or Electives).
   e. The College of Arts & Sciences requires a minimum 2.0 GPA in all
      major requirements and a minimum 2.0 GPA in all major-prefix
      courses applied to the degree.

3. Foreign Language Proficiency
   a. The foreign language requirement for the B.A. may be satisfied by
      9 hours college credit in the same language, which must include
      3 hours at the 2000-level, or equivalent proficiency (e.g., passing
      an advanced standing examination; TOEFL exam; presenting
      a high school transcript which demonstrates the high school
      was primarily conducted in a language other than English; etc.).
      Computer Science courses may not be used to satisfy this
      requirement. Currently Arabic and Mvskoke are not offered at the
      2000-level at OSU.
   b. The foreign language requirement for the B.S., B.M. and B.F.A.
      may be satisfied by presenting a high school transcript which
      demonstrates two years of study of a single foreign language
      (passing grades at second-year level of study). It may also
      be satisfied by 6 hours college credit in the same language,
      which must include language courses 1713 and 1813, or
      equivalent proficiency (e.g., passing an advanced standing
      examination; TOEFL exam; presenting a high school transcript
      which demonstrates the high school was primarily conducted in
      a language other than English; etc.). Computer Science courses
      may not be used to satisfy this requirement.
   c. In addition to a. and b., students pursuing teacher certification
      must meet novice-high foreign language proficiency by
      presenting a high school transcript which demonstrates two
   years of study of a single foreign language with no grade below
   B. Or, students may complete 3 hours college credit in a single
   language with no grade below C (or pass an advanced standing
   examination, College Level Examination Program (CLEP) exam,
   or Oral Proficiency Interview developed by the American Council
   on the Teaching of Foreign Languages, equivalent to 3 hours of
   college credit.) Or, students may meet the requirement by transfer
   of documentation of meeting the foreign language competency
   from one of the teacher education programs in the State of
   Oklahoma approved by the Oklahoma State Regents for Higher
   Education.

4. Exclusions
   a. Courses used to satisfy the General Education English
      Composition, U.S. History, American Government, and
      Mathematics or Statistics requirements will not count toward the
      54-hour maximum allowed from one department.
   b. Courses with ATHL or LEIS prefixes and leisure activity courses
      may not be used for degree credit.

5. Teacher Certification
   Students can satisfy the requirements for secondary schools
   teaching certification while earning a B.A. or B.S. in the College of
   Arts & Sciences. Those interested should see their Arts and Sciences
   advisor and the OSU Professional Education Unit in room 325 Willard.

Additional State/OSU Requirements
   • At least: 60 hours at a four-year institution; 30 hours completed at
     OSU; 15 of the final 30 or 50% of the upper-division hours in the major
     field completed at OSU.
   • Limit of: one-half of major course requirements as transfer work; one-
     fourth of hours earned by correspondence; 8 transfer correspondence
     hours.
   • Students will be held responsible for degree requirements in effect at
     the time of matriculation and any changes that are made, so long as
     these changes do not result in semester credit hours being added or
     do not delay graduation.
   • Degrees that follow this plan must be completed by the end of
     Summer 2025.