Biology: Allied Health, BS

Requirements for Students Matriculating in or before Academic Year 2020-2021. 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>
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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td></td>
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<tr>
<td>Select one of the following:</td>
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<td>3</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td></td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td></td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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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

POLS 1113  American Government | 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

PHYS 1114  College Physics I (LN) | 4
or PHYS 2014  University Physics I (LN) | 4

PHYS 1214  College Physics II (LN) | 4
or PHYS 2114  University Physics II (LN) | 4

Social & Behavioral Sciences (S)

Course 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

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 1314</td>
<td>Chemistry I (LN)</td>
<td>4</td>
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<tr>
<td>CHEM 1515</td>
<td>Chemistry II (LN)</td>
<td>5</td>
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</tbody>
</table>

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

Minimum GPA 2.50 in Major Requirements OR minimum grade of "C" in each course.

Core Courses

BIOL 1114  Introductory Biology (LN) | 4
BIOL 1604  Animal Biology | 4
BIOL 3023  General Genetics | 3
BIOL 3034  General Ecology | 4
BIOL 4133  Evolution | 3
MICR 2123  Introduction to Microbiology | 3
MICR 2132  Introduction to Microbiology Laboratory | 2
MICR 3033  Cell and Molecular Biology | 3
PBIO 1404  Plant Biology (LN) | 4

Select 6 hours upper-division coursework from: BIOL, MICR, PBIO (excluding general education courses).

Related Courses

BIOL 3204  Physiology | 4
BIOL 3214  Human Anatomy | 4
CHEM 3013  Survey of Organic Chemistry | 5
& CHEM 3012  Survey of Organic Chemistry Laboratory | 5

Select two of the following: | 6

BIOL 3653  Survey of Biochemistry
BIOL 3233  Human Reproduction
BIOL 4134  Embryology
BIOL 4253  Pharmacology
BIOL 4283  Endocrinology
BIOL 4524  Biological Laboratory Instrumentation
HHP 3114  Physiology of Exercise
MICR 3223  Advanced Microbiology
MICR 3253  Immunology
MICR 4053  Pathogenic Microbiology
NSCI 4123  Human Nutrition and Metabolism I
NSCI 4143  Human Nutrition and Metabolism II
PBIO 4013  Biological Microtechnique
PSYC 3443  Abnormal Psychology (S)
PSYC 4263  Affective Neuroscience

Hours Subtotal 55

Electives

Select 11 hours

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.) and 6 additional upper-division hours.
Additional requirements for professional school admission exist. View Admission Requirement Sheets at prehealth.okstate.edu (http://prehealth.okstate.edu).

Other Requirements

- See the College of Arts and Sciences Requirements.
- Minimum GPA 2.00 in all BIOL, MICR & PBIO courses.
- **Upper-Division Credit:** Total hours must include at least 44 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 (http://catalog.okstate.edu/shared/college-arts-sciences-major-departments/) 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, BIOL, CHEM, CS (except CS 4883 Social Issues in Computing), GEOl, MATH, MICR, 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.).
   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.).
   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 2026.