## MICROBIOLOGY/CELL \& MOLECULAR BIOLOGY: PREMEDICAL PROFESSIONAL, BS

## Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2024-2025. 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

| Code | Title | Hours |
| :---: | :---: | :---: |
| General Education Requirements |  |  |
| English Composition |  |  |
| See Academic Regulation 3.5 (http://catalog.okstate.edu/ university-academic-regulations/\#english-composition) |  |  |
| $\begin{aligned} & \text { ENGL } 1113 \\ & \text { or ENGL } 1313 \end{aligned}$ | Composition I Critical Analysis and Writing I | 3 |
| Select one of the following: |  | 3 |
| ENGL 1213 | Composition II |  |
| ENGL 1413 | Critical Analysis and Writing II |  |
| ENGL 3323 | Technical Writing |  |
| American History \& Government |  |  |
| HIST 1103 or HIST 1483 or HIST 1493 | Survey of American History <br> American History to 1865 (H) <br> American History Since 1865 (DH) | 3 |
| POLS 1113 | American Government | 3 |
| Analytical \& Quantitative Thought (A) |  |  |
| MATH 1513 | College Algebra (A) (or higher) ${ }^{1}$ | 3 |
| Humanities (H) |  |  |
| Courses designat |  | 6 |
| Natural Sciences ( $N$ ) |  |  |
| Must include one Laboratory Science (L) course |  |  |
| PHYS 1114 | College Physics I (LN) ${ }^{1}$ | 4 |
| PHYS 1214 | College Physics II (LN) ${ }^{1}$ | 4 |
| Social \& Behavioral Sciences (S) |  |  |
| Course designate |  | 3 |
| Additional General Education |  |  |
| Courses designat | A), (H), ( N , or (S) | 8 |
| Hours Subtotal |  | 40 |

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.


MICR $4543 \quad$ Microbial Genomics and Bioinformatics

| Hours Subtotal | 54 |
| :--- | ---: |
| Electives $^{2,3}$ |  |
| Select $^{2,3}$ hours $^{3}$ | 13 |

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.)
Additional requirements for professional school admission exist. View Admission Requirements Sheets at your chosen school and/or at http://prehealth.okstate.edu.
Recommended courses:

| PSYC 1113 | Introductory Psychology (S) |  |
| :--- | :--- | ---: |
| SOC 1113 | Introductory Sociology (S) |  |
| Hours Subtotal |  | $\mathbf{1 3}$ |
| Total Hours | $\mathbf{1 2 0}$ |  |

## 1

College and Departmental Requirements that may be used to meet General Education Requirements.
2
With approval from the advisor and department head, a maximum of 30 hours from an accredited doctoral health program may be substituted for major requirements.
3
If BIOC 3713 and BIOC 3813 are selected, then elective hours will be reduced by 3 hours.

Additional requirements for professional school admission may exist. View Admission Requirements Sheets at your chosen school and/or at prehealth.okstate.edu (http://prehealth.okstate.edu).

## Other Requirements

- See the College of Arts and Sciences Requirements.
- 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. Hours in One Department: For B.A. and B.S. degrees, no more than 54 hours in one department may be required to meet degree requirements. Courses used to satisfy the General Education English Composition, U.S. History, American Government, and Mathematics or Statistics requirements will not count toward the 54hour maximum required from one department.

## 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. Six upper-division hours are required from General Education or any CAS courses outside the student's major department (http:// catalog.okstate.edu/college-arts-sciences-major-departments/). 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 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. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.

## 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; onefourth 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 2030.

