# **PHYSIOLOGY, BS**

## **Degree Requirements**

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/ #matriculation).

#### Minimum Overall Grade Point Average: 2.50

Total Hours: 120

General Education RequirementsEnglish CompositionSee Academic Regulation 3.5 (http://catalog.okstate.edu/ university-academic-regulations/#english-composition)See Academic Regulation 3.5 (http://catalog.okstate.edu/ university-academic-regulations/#english-composition)ENGL 1113Composition ISelect one of the following:Select one of the following: </th			
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PHYS 1114 College Physics I (LN) <sup>1</sup> 4			
or PHYS 2014 University Physics I (LN)			
PHYS 1214 College Physics II (LN) <sup>1</sup> 4			
or PHYS 2114 University Physics II (LN)			
Social & Behavioral Sciences (S)			
Course designated (S) 3			
Additional General Education			
Courses designated (A), (H), (N), or (S) 6			
Hours Subtotal 42			
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			
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See note 2.a.3Natural & Mathematical SciencesCHEM 1314Chemistry I(LN)4CHEM 1515Chemistry II(LN)5Foreign Language0See note 30O-6 hoursUpper-Division General EducationSelect 6 hours outside major departmentSee note 2.c.Hours Subtotal13Major Requirements <sup>2</sup> 13Minimum GPA 2.50 in Major Requirements with a minimum grade of "C" in each course.7BIOC 3653Survey of Biochemistry3BIOL 1111and Introductory Biology Laboratory (LN)4BIOL 1504Animal Biology4BIOL 3023General Genetics <sup>2</sup> 3BIOL 3034General Cology4BIOL 3034General Cology4BIOL 4215Marmalian Physiology Capstone Laboratory3BIOL 4215Marmalian Physiology Capstone Laboratory3BIOL 4223Marmalian Physiology3BIOL 4223Introduction to Microbiology3MICR 3153Organic Chemistry I3CHEM 3152Organic Chemistry I3CHEM 3153Organic Chemistry I3BIOL 4223Introduction to Microbiology3MICR 2123Introduction to Microbiology3MICR 2132Introduction to Microbiology3MICR 3133Cell and Molecular Biology3BIOL 423Principles of Animal NutritionBIOL 423BIOL 423Principles of Animal NutritionBIOL 423BIOL 423 <th>Cas pata 2 a</th> <th></th> <th>2</th>	Cas pata 2 a		2
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	MICR 3143	Medical Mycology	
MICR 3553 Foundations of Cancer	MICR 3253	Immunology	
	MICR 3553	Foundations of Cancer	

MICR 4123	Virology	
MICR 4423	Antibiotics and Antibiotic Resistance	
Hours Subtotal		59
Electives <sup>2</sup>		
Select 6 hours		6
MATH 1513 and MATH 1813 required for students who do not place directly into MATH 2144.		
May need to include	e 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 2 additional upper- division hours		
Hours Subtotal		
Total Hours		120

1

College and Departmental Requirements that may be used to meet General Education Requirements.

2

With approval from the advisor and department head and a minimum GPA of 3.0, a maximum of 30 hours from an accredited doctoral health program may be substituted for electives or major requirements other than BIOL 3023 General Genetics and BIOL 4133 Evolution.

### **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.

### College of Arts and Sciences Requirements

 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 2029.