

BIOLOGY, BACHELOR OF SCIENCE

Code	Title	Hours
General Education Courses		
<i>I. Communication</i>		
English:		
Select two of the following:		6
ENGL U101	Composition I	
ENGL U102	Composition II	
Speech:		
SPCH U201	Foundations in Oral Communication	3
<i>II. Mathematics, Logic & Natural Sciences</i>		
Mathematics:		
MATH U126	Precalculus I	3
MATH U127	Precalculus II ¹	3
Natural Sci. (w/ lab):		
CHEM U111 & U111L	General Chemistry and General Chemistry Lab	4
CHEM U112 & U112L	General Chemistry and Qualitative Analysis and General Chemistry and Qualitative Analysis Lab	4
<i>III. Information Technology</i>		
Information Technology:		
Select one of the following:		3
CSCI U138	Introduction to Computer Technology	
CSCI U150	Introduction to Computer Science	
INFO U101	Survey of Information Technology	
LIBR U201	Strategies for Information Discovery	
<i>IV. Fine Arts, Humanities & History</i>		
Fine Arts:		
Select one of the following:		3
ARTH U101	Introduction to Art	
ARTH U105	History of Western Art: Prehistory - Middle Ages	
ARTH U106	History of Western Art: Renaissance - Modern	
MUSC U110	Introduction to Music	
MUSC U140	History of American Popular Music	
THEA U161	Introduction to Theatre Art	
THEA U170	Fundamentals in Acting	
History:		
Select one of the following:		3
HIST U101	Introduction to World History I	
HIST U102	Introduction to World History II	
HIST U105	History of the United States to 1877	
HIST U106	History of the United States from 1865	
<i>V. Foreign Language & Culture</i>		
Foreign Language:		
Select one of the following: ²		3
ASLG U101	American Sign Language I	
FREN U101	Introductory French I	
GERM U101	Introductory German I	

SPAN U101 Introductory Spanish I

VI. Social & Behavioral Sciences

Social & Behavioral Science:

Select one of the following:

3

AFAM U201 Introduction to African American Studies

ANTH U102 Understanding Other Cultures

ECON U221 Principles of Macroeconomics

ECON U222 Principles of Microeconomics

GEOG U103 Introduction to Geography

POLI U101 American National Government

PSYC U101 Introduction to Psychology

SOCY U101 Introduction to Sociology

WGST U101 Introduction to Women's & Gender Studies

VII. General Education Electives

General Education Electives:

Select any approved general education course or courses (<https://academic-catalog.uscupstate.edu/academic-programs/general-education-courses/>)

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Major Requirements ^{3,4,5,6}

Select one of the following:

B.A. (p. 2)

B.S. (p. 2)

Total Hours**120-123**

- ¹ The successful completion of MATH U127 Precalculus II with a minimum grade of C fulfills the Group II Mathematics requirement. The additional three hours are made up as electives.
- ² The minimum acceptable level of competency is completion of the 101 level of a language. Students who place into the 102 or higher level of a language satisfy the language requirement but will have additional hours in general education electives, if hours are required by their degree program.
- ³ A minimum grade of C is required.
- ⁴ A biology course used to meet biology major requirements may not be taken more than twice. Attempts include receiving a "W," "WF," and "Audit." Appeals to this policy may be made to the Chair of Natural Sciences.
- ⁵ To receive a biology degree, students must complete at least 15 hours of major course credit at USC Upstate.
- ⁶ A minimum of two 500-level courses (excluding U599) must be completed. A total of 12 courses in the major are required.
- ⁷ At least three of the four courses must have an associated lab. A single substitution of one credit of BIOL U399 and a course at the 300/500 level without an associated laboratory for an equivalent-level course with an associated laboratory is allowed. Additionally, completion of both BIOL U243 & BIOL U244 with a C or better may substitute for any one elective biology course at the 300-level. BIOL U244 counts as a 300-level biology course. A maximum of 4 credits from Biochemistry (CHEM U581, CHEM U583L and CHEM U582) may be counted towards 500-level biology course credit. For the Biology Bachelor of Arts degree, CHEM U332 Organic Chemistry II and CHEM U332L Organic Chemistry Laboratory II may be substituted for a 300-level biology lecture and laboratory course, respectively.
- ⁸ For the Biology Bachelor of Arts degree, only Statistics (MATH U102 Elementary Statistics or PSYC U225 Psychological Statistics) is required as supporting course.
- ⁹ Up to 6 hours (8 hours if lab courses) of general education (less than 300-level) may be used to satisfy requirements of a minor.

¹⁰ Students who do not complete a minor must complete at least 12 upper-level credits beyond major requirements and supporting courses. Courses must be at 300-level or higher or be included on the list of courses that count for cognate credit. PHYS U201 General Physics I and PHYS U202 General Physics II are recommended.

Major Requirements

B.A.

Code	Title	Hours
Major Requirements ^{3,4,5,6}		
BIOL U101	Introductory Biology I	4
BIOL U102	Introductory Biology II	4
BIOL U201	Science Career Catalyst	1
BIOL U301	Introduction to Ecology and Evolutionary Biology	4
BIOL U302	Introduction to Cell and Molecular Biology	4
Select one of the following:		4
BIOL U305	Field Ornithology	
BIOL U310	Invertebrate Zoology	
BIOL U315	Human and Comparative Anatomy	
BIOL U320	General Botany	
BIOL U350	Genetics	
BIOL U360	Human and Comparative Physiology	
BIOL U525	Plant Taxonomy	
BIOL U531	Parasitology	
BIOL U534	Animal Behavior	
BIOL U570	Principles of Ecology	
Select four Biology courses at the 300/500 level ⁷		15-16
BIOL U599	Senior Seminar	3
Supporting Courses ⁸		
MATH U102	Elementary Statistics	3
or PSYC U225 Psychological Statistics		
Minor or Upper-Level Electives		
Biology majors must either complete a minor or 12 upper-level elective hours		12-24
<i>Minor</i> ^{3,9}		
Select 0 or 18-24 credits		
<i>Upper-Level Electives</i> ^{3,10}		
Select 0 or 12 credits		
Electives		
Select 0-19 credits		
Total Hours		120-123

B.S.

Code	Title	Hours
Major Requirements ^{3,4,5,6}		
BIOL U101	Introductory Biology I	4
BIOL U102	Introductory Biology II	4
BIOL U201	Science Career Catalyst	1
BIOL U301	Introduction to Ecology and Evolutionary Biology	4
BIOL U302	Introduction to Cell and Molecular Biology	4
Select one of the following:		4
BIOL U305	Field Ornithology	

BIOL U310	Invertebrate Zoology	
BIOL U315	Human and Comparative Anatomy	
BIOL U320	General Botany	
BIOL U350	Genetics	
BIOL U360	Human and Comparative Physiology	
BIOL U525	Plant Taxonomy	
BIOL U531	Parasitology	
BIOL U534	Animal Behavior	
BIOL U570	Principles of Ecology	
Select four Biology courses at the 300/500 level ⁷		15-16
BIOL U599	Senior Seminar	3
Supporting Courses ⁸		
CHEM U331 & U331L	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM U332 & U332L	Organic Chemistry II and Organic Chemistry Laboratory II	3
or CHEM U371 Environmental Chemistry		
or CHEM U371L Environmental Chemistry Lab		
MATH U102	Elementary Statistics	3
or PSYC U225 Psychological Statistics		
Minor or Upper-Level Electives		
Biology majors must either complete a minor or 12 upper-level elective hours		12-24
<i>Minor</i> ^{3,9}		
Select 0 or 18-24 credits		
<i>Upper-Level Electives</i> ^{3,10}		
Select 0 or 12 credits		
Electives		
Select 0-19 credits		
Total Hours		120-123