

BIOLOGY (PRE-HEALTH PROFESSIONAL CONCENTRATION), BACHELOR OF SCIENCE

The University Core Curriculum is the same across all undergraduate bachelor's programs. Please consult the academic advisor for your designated major before selecting courses in this area.

Summary

Code	Title	Hours
	General Education Core Curriculum (p. 1)	42
	Major Requirements (p. 1)	50
	Other Requirements (p. 1)	31
Total Hours		123

General Education Core Curriculum (Standard)¹

Code	Title	Hours
Communication		
ENGL 1301	Freshman English I	3
ENGL 1302	Freshman English II	3
Mathematics		
MATH 1314	College Algebra	3
Life and Physical Sciences		
CHEM 1311	Chemistry I	3
CHEM 1312	Chemistry II	3
Language, Philosophy, and Culture		
Select one of the following:		3
ENGL 2332	World Literature I	
ENGL 2333	World Literature II	
ENGL 2326	American Literature	
ENGL 2328	African-American Literature	
Creative Arts		
Select one of the following:		3
MUSI 1315	Fine Arts In Daily Living	
THEA 1310	Introduction to Theatre	
ARTS 1315	Intro African Art	3
American History		
HIST 1301	Soc & Pol Hist US to 1877	3
HIST 1302	Soc & Pol Hist US Since 1877	3
Government/Political Science		
POLS 2305	American Government	3
POLS 2306	Texas Government	3
Social and Behavioral Sciences		
Select one of the following:		3
PSYC 2301	General Psychology	
SOCI 1301	Introduction To Sociology	
SOCI 1306	Contemporary Social Issues	

Institutional Options

COSC 1301	Intro To Compr Science I	3
COMM 1321	Business & Professional Comm	3
	or COMM 1315 Public Address	

Total Hours		45
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Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

Major (Biology)

Code	Title	Hours
BIOL 111	Biological Science Lab I	1
BIOL 112	Biological Science Lab II	1
BIOL 1306	Biological Science I	3
BIOL 132	Biological Science II	3
BIOL 211	Cell Biology Lab	1
BIOL 212	Developmental Biology Lab	1
BIOL 231	Cell Biology	3
BIOL 232	Developmental Biology	3
BIOL 338	Genetics	3
BIOL 340	Biochemistry of Biological Com	3
BIOL 341	Organismic Biology	4
BIOL 347	Microbiology	4
BIOL 401	Undergraduate Research (Capstone Course)	3
BIOL 441	Histology	4
BIOL 443	Molecular Biology	4
BIOL 447	Human Physiology	3
BIOL 454	Immunology	3
BIOL 460	Biostatistics	3
Total Hours		50

Other Requirements

Code	Title	Hours
CHEM 111	Chemistry I Lab	1
CHEM 112	Chemistry II Lab	1
CHEM 211	Organic Chem I Lab	1
CHEM 212	Organic Chem II Lab	1
CHEM 231	Organic Chem I	3
CHEM 232	Organic Chem II	3
MATH 2312	Precalculus Math	3
MATH 2413	Calculus & Analytic Geomtry I	4
PHYS 213	College Phys Lab I	1
PHYS 214	College Phys Lab II	1
PHYS 1301	College Physics I	3
PHYS 1302	College Physics II	3
FS 102	Freshman Seminar/ first Year Experience	1
Free electives		5
Total Hours		31

Course	Title	Hours
First Year		
First Semester		
BIOL 1306	Biological Science I	3
BIOL 111	Biological Science Lab I	1
CHEM 1311	Chemistry I	3
CHEM 111	Chemistry I Lab	1
ENGL 1301	Freshman English I	3
MATH 1314	College Algebra	3
FS 102	Freshman Seminar/ first Year Experience	1
COMM 1321 or COMM 1315	Business & Professional Comm or Public Address	3
Hours		18
Second Semester		
BIOL 132	Biological Science II	3
BIOL 112	Biological Science Lab II	1
CHEM 1312	Chemistry II	3
CHEM 112	Chemistry II Lab	1
ENGL 1302	Freshman English II	3
MATH 2312	Precalculus Math	3
Select one of the following:		3
MUSI 1315	Fine Arts In Daily Living	
THEA 1310	Introduction to Theatre	
ARTS 1315	Intro African Art	
ART 139	African-American Art & Culture	
Hours		17
Second Year		
Third Semester		
BIOL 231	Cell Biology	3
BIOL 211	Cell Biology Lab	1
CHEM 231	Organic Chem I	3
CHEM 211	Organic Chem I Lab	1
Select one of the following:		3
ENGL 2332	World Literature I	
ENGL 2333	World Literature II	
ENGL 2326	American Literature	
ENGL 2328	African-American Literature	
MATH 2413	Calculus & Analytic Geomtry I	4
HIST 1301	Soc & Pol Hist US to 1877	3
Hours		18
Fourth Semester		
BIOL 232	Developmental Biology	3
BIOL 212	Developmental Biology Lab	1
CHEM 232	Organic Chem II	3
CHEM 212	Organic Chem II Lab	1
COSC 1301	Intro To Compr Science I	3
HIST 1302	Soc & Pol Hist US Since 1877	3
Hours		14
Third Year		
Fifth Semester		
BIOL 338	Genetics	3
BIOL 340	Biochemistry of Biological Com	3

PHYS 213	College Phys Lab I	1
PHYS 1301	College Physics I	3
POLS 2305	American Government	3
Hours		13
Sixth Semester		
BIOL 347	Microbiology	4
BIOL 341	Organismic Biology	4
PHYS 214	College Phys Lab II	1
PHYS 1302	College Physics II	3
POLS 2306	Texas Government	3
Hours		15
Fourth Year		
Seventh Semester		
BIOL 443	Molecular Biology	4
BIOL 460	Biostatistics	3
Free electives		2
Select one of the following:		3
PSYC 2301	General Psychology	
SOCI 1301	Introduction To Sociology	
SOCI 1306	Contemporary Social Issues	
Hours		12
Eighth Semester		
BIOL 401	Undergraduate Research (Capstone Course)	3
BIOL 441	Histology	4
BIOL 447	Human Physiology	3
BIOL 454	Immunology	3
Hours		13
Total Hours		120

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