

BIOLOGY

Bachelor of Science

Area A: Essential Skills

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Precalculus Mathematics	3

Area B: Institutional Options

COMM 1110	Fundamentals of Speech	3
One of the following electives:		1

COMM 1120	Argumentation and Advocacy	
ENGL 1105	Intro to Greek Mythology	
ENGL 1110	Creative Writing	
GEOL 1000	Natural Hazards	
HIST 1050	Appalachian Hist-Special Topic	
HIST 1051	Sports Hist & Amer Character	
HUMN 1000	Mystery Fiction in Pop Culture	
HUMN 1100	Political and Social Rhetoric	
HUMN 1300	Christian Fiction/Pop Culture	
PHED 1030	Health & Wellness Concepts	
SOCI 1000	Race and Ethnicity in America	

Area C: Humanities/Fine Arts

Choose one to two ENGL course(s):		3-6
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ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
ENGL 2120	British Literature I	
ENGL 2121	British Literature II	
ENGL 2130	American Literature I	
ENGL 2131	American Literature II	
ENGL 2201	Intro to Film as Literature	

If only one ENGL course chosen, add one of the following:		0-3
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ARTS 1100	Art Appreciation	
HUMN 1201	Expressions of Culture I	
HUMN 1202	Expressions of Culture II	
MUSC 1100	Music Appreciation	
MUSC 1110	World Music	
MUSC 1120	American Music	
THEA 1100	Theatre Appreciation	

Area D: Science/Mathematics/Technology

MATH 2253	Calculus and Analytic Geom I *	4
CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4

Area E: Social Sciences

HIST 2111	United States History to 1877	3
or HIST 2112	United States Hist since 1877	

POLS 1101	American Government	3
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Two of the following electives:		6
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ANTH 1103	Intro to Cultural Anthropology	
ECON 2105	Principles of Macroeconomics	
ECON 2106	Principles of Microeconomics	
GEOG 1100	Introduction to Geography	

GEOG 1101	Intro to Human Geography	
GEOG 1111	Intro to Physical Geography	
HIST 1111	World Civilization to 1500 CE	
HIST 1112	World Civilization since 1500	
HIST 2111	United States History to 1877	
HIST 2112	United States Hist since 1877	
PHIL 1103	Intro to World Religions	
PHIL 2010	Intro to Philosophical Issues	
PHIL 2020	Logic and Critical Thinking	
POLS 2101	Intro to Political Science	
POLS 2201	State and Local Government	
POLS 2301	Comparative Politics	
POLS 2401	International Relations	
PSYC 1101	Introduction to Psychology	
PSYC 2101	Psychology of Adjustment	
PSYC 2103	Human Development	
SOCI 1101	Introduction to Sociology	
SOCI 1160	Social Problems	

Area F: Major Related

BIOL 1107K	Principles of Biology I	4
BIOL 1108K	Principles of Biology II	4
BIOL 2270	Ethical Issues in Science	2
PHYS 1111K	Introductory Physics I	4
PHYS 1112K	Introductory Physics II	4

Upper Level Courses

BIOL 3200K	Cellular Biology	4
BIOL 3400K	Genetics	4
BIOL 3500K	Ecology	4
BIOL 4000	Senior Seminar	2
BIOL 4250	Evolution	3
CHEM 3211K	Organic Chemistry I	4
CHEM 3212K	Organic Chemistry II	4
MATH 2200	Introduction to Statistics	3

B.S. Biology Electives

Must include at least one Biology Lab Science (noted with "K").

BIOL 3000	Research Method/Scientific Com	
BIOL 3150	Science and Society	
BIOL 3300K	Developmental Biology	
BIOL 3340K	General Microbiology	
BIOL 3510K	Plant Biology	
BIOL 3520K	Invertebrate Zoology	
BIOL 3550	Conservation Biology	
BIOL 3600K	Ornithology	
BIOL 3700	Field Biology Techniques	
BIOL 3850	Neuroscience	
BIOL 3900	Readings in Biology **	
BIOL 4100	Immunology	
BIOL 4275	Bioremediation/Phytoremediatio	
BIOL 4360K	Comparative Vertebrate A & P	
BIOL 4410K	Molecular Biology	
BIOL 4500K	Biotechnology	
BIOL 4600	Ecotoxicology	

BIOL 4850K	Human Dissection	
BIOL 4800	Service Learning in Biology **	
BIOL 4900	Special Topics in Biology ***	
BIOL 4960	Research in Biology **	
MATH 2254	Calculus and Analytic Geom II	
MATH 3050	Biological Statistics	
Any 3000 or 4000 level Chemistry course EXCEPT CHEM 4000. **		
Free Electives		9
Select 9 hours from any transfer credit courses in the College curriculum other than PHED courses.		
Physical Education		
PHED Activity Elective		1
Total Hours		121

* MATH 2253 may be taken in Area A if the student meets the prerequisites, with MATH 2254 then taken in Area D. The additional hour of credit will be applied to the upper level curriculum.

** Students are limited to a maximum of eight credit hours in applied learning courses (BIOL 3900, CHEM 3900, BIOL 4800, CHEM 4800, CHEM 4860, BIOL 4960, and CHEM 4960). Students are limited to a maximum of four credit hours in any one of the three applied learning categories; readings (BIOL 3900 and CHEM 3900), service learning (BIOL 4800 and CHEM 4800), and research (BIOL 4960 and CHEM 4960).

*** BIOL 4900 (Special Topics in Biology) can be taken multiple times when topic has changed.