

BACHELOR OF SCIENCE DEGREE
MAJOR IN BIOLOGY

Requirements	Credit Hours
Area I	Essential Skills (12 semester hours)
ENGL 1101	Composition 3
ENGL 1102	Composition and Literature 3
MATH 1113*	Precalculus 3
COMM 1100	Introduction to Public Speaking 3
Area II	Humanities/Fine Arts (9 semester hours)
Select One:	3
ENGL 2110, 2120	British Literature
ENGL 2210, 2220	American Literature
ENGL 2310, 2320	World Literature
Select One:	3
ARTS 1100	Art Appreciation
MUSI 1100	Music Appreciation
THEA 1100	Theatre Appreciation
Select One:	3
PHIL 1100	Introduction to Philosophy
PHIL 2200	Introduction to Ethics
RELI 1101	Old Testament
RELI 1102	New Testament
RELI 1200	World Religions
Area III	Science and Technology (11 semester hours)
Select One Lab Science Sequence:	8
BIOL 1107, 1108	Introductory Biology I and II
CHEM 1211, 1212	General Chemistry I and II
PHYS 1111, 1112	College Physics I and II
CSCI 1100**	Introduction to Personal Computing 3
Area IV	Social Sciences (9 semester hours)
POLI 1100	American Government 3
History (any)	3
Social Science Elective***	3
Area V	Courses related to the Program of Study (59 semester hours)
Select Two Additional Lab Science Sequences:	16
BIOL 1107, 1108	Introductory Biology I and II
CHEM 1211, 1212	General Chemistry I and II
PHYS 1111, 1112	College Physics I and II
CHEM 2211, 2212	Organic Chemistry I and II 8
MATH 2000	Elementary Statistics 3

*MATH 2201 is recommended for students preparing for graduate study.

**Computer proficiency may be demonstrated through examination.

**BACHELOR OF SCIENCE DEGREE
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Requirements	Credit Hours
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Area V (cont.)

Upper Division Required Courses in the Major (16 semester hours)

BIOL 3101	Genetics	4
BIOL 3102	Cell Biology	4
Select One:		4
BIOL 3201	Conservation Biology	
BIOL 4101	Ecology	
BIOL 3983	Literature Review	1
BIOL 3984	Research Design	1
BIOL 4980	Independent Research	1
BIOL 4990	Senior Capstone	1

Upper Division Electives in the Major (16 semester hours)

At least one course must be Zoological (Z) in Nature and at least one course must be Botanical (B) in nature.

Choose from the following: 16

BIOL 3201	Conservation Biology	
BIOL 3301 (B)	General Botany	
BIOL 3401 (B)	Dendrology	
BIOL 3501	Microbiology	
BIOL 3601	Bioinformatics	
BIOL 3701 (Z)	Animal Behavior	
BIOL 3801 (Z)	Vertebrate Zoology	
BIOL 3805 (Z)	Invertebrate Zoology	
BIOL 3807 (Z)	Comparative Anatomy	
BIOL 3808	Developmental Biology	
BIOL 4101	Ecology	
BIOL 4115	Biochemistry (recommended for graduate school)	
BIOL 4201 (B)	Plant Anatomy and Morphology	
BIOL 4301 (B)	Plant Physiology	
BIOL 4401	Evolutionary Biology	
BIOL 4501	Immunology	
BIOL 4601 (B)	Plant Taxonomy and Systematics	
BIOL 4701 (Z)	Animal Physiology	
BIOL 4801	Advanced Cellular and Molecular Biology	
BIOL 4996, 4997, 4998	Special Topics in Biology	

Additional Requirements (20 semester hours)

General Electives--at least 13 hours must be 3000-4000 level courses*		18
Physical Education (2 hrs)**		2

Total Hours for Graduation	120
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*Two semesters of foreign language study are recommended.

**Physical Education courses may not be used as general electives.