



Biology Major



Science & Technology Department

The Biology curriculum is designed to meet the needs of students who wish to prepare for professional work in health sciences, prepare for teaching, pursue graduate work, train for semi-professional work in industry or civil service, or obtain a broad education in biology. Students planning for careers in medicine, dentistry, optometry, pharmacology, veterinary medicine, physician's assistant, or physical therapy generally attend a graduate program in one of these disciplines after completing their Bachelor's degree at EU.

FIRST YEAR											
First Semester				Credits	Second Semester				Credits		
BIOL	200	Biological Science		4	BIOL	201	Survey of Biology		4		
CHEM	111	General Chemistry I ^a		5	CHEM	112	General Chemistry II		5		
BIBL	111	Essential Christianity		3	BIBLE	115	Old Testament Literature		3		
MATH	231	(or MATH 129) ^b		4	*ENGL	111 or 211			3		
GSCI	100	Freshman Seminar		<u>1</u>	Humanities Appreciation				<u>2</u>		
				Total	17					Total	17
SECOND YEAR											
First Semester				Credits	Second Semester				Credits		
BIOL	202	Survey of Biology II		4	BIOL	335	Microbiology		4		
CHEM	271	Organic Chemistry I		4	CHEM	272	Organic Chemistry II		4		
BIBL	116	New Testament Literature		3	THEO	216	Introduction to Theology		3		
CPSC	101	Introduction to Personal Computers		3	COMM	111	Speech		3		
MATH	210	Elementary Statistics		<u>3</u>	BIOL	296	Scientific Writing and Careers		1		
				Total	17	BIOL	298	Internship		1	
						PHED	112	Lifetime Fitness		<u>1</u>	
										Total	17
THIRD YEAR											
First Semester				Credits	Second Semester				Credits		
BIOL	311	Human Anatomy and Physiology I		4	BIOL	312	Human Anatomy and Physiology II		4		
CHEM	375	Biochemistry		4	BIOL	437	Cell Biology		3		
PHYS	211	General Physics I		5	PHYS	212	General Physics II		5		
BIOL	34x	Field Biology ^c		<u>4</u>	PHED	1xx	Elective		1		
				Total	17	BIOL	Elective		<u>4</u>		
										Total	17
FOURTH YEAR											
First Semester				Credits	Second Semester				Credits		
BIOL	496	Senior Seminar		1	THEO	422	Christianity at Work		3		
BIBL	3xx	Book Study		3	BIOL	338	Genetics		4		
ENGL	123	Introduction to Literature		3	BIOL	496	Senior Seminar—Research Presentation		1		
GOVT	170	(or HIST 111)		3	Social Science Elective				3		
PSYC	112	(or SOCI 111)		3	Social Science Elective				3		
BIOL	Elective			3	Humanities Elective				<u>3</u>		
BIOL	493	Special Problems – Research		<u>1</u>					Total	17	
				Total	17						

^a Those not prepared for CHEM 111 would take CHEM 110.

^b Those not prepared for Calculus would take MATH 129 — College Algebra and Trigonometry.

^c Field Biology courses are selected from one of the following: Marine Biology (BIOL 341), Ecology (BIOL 342), or Environmental Biology (BIOL 343).

* Placement into ENGL 111 or 211 (and whether ENGL 102 is required prior to that course) dependent upon ACT or SAT score

Total credits in the major: 65 Total credits required for graduation: Minimum of 124 Total upper division credits for graduation: Minimum of 36
 Graduation also requires an overall GPA of at least 2.0 and 30 of the final 40 credits must be taken at Evangel.