



Biology

Degree Awarded: Bachelor of Arts

Requirements for the Major: 39-42 credits plus 7 prerequisite credits

The major in Biology is designed to prepare students for careers and post-baccalaureate study requiring specialization in biology. While many Biology majors continue their education in graduate school, others find excellent vocational opportunities in private and governmental laboratories, in health-related sales, and in education. To properly prepare our students for such vocational diversity, the major requires foundational courses in biology, allows students sufficient opportunity to choose electives in biology, and requires and recommends support courses in other scientific disciplines. In order to tailor a program of student that meets an individual student's specific needs and interests, the student is expected to work closely with a faculty advisor.

Transfer credit for biology courses must be taken within the last 10 years.

Prerequisites for courses for the major:

Essential Competencies-Outcome Iterations

****Transfer courses do not receive outcome iterations****

				CI	IL	W	O	Q	GA	V
	CHEM 111	General Chemistry I	4	x				x		
	MATH 121	College Algebra	3	x				x		

These courses will not be counted in computing the GPA for the major.

Requirements for the Major:

Essential Competencies-Outcome Iterations

****Transfer courses do not receive outcome iterations****

				CI	IL	W	O	Q	GA	V
	BIOL 101	General Biology I	3	x		x				
	BIOL 102	General Biology II	3	x	x	x				
	BIOL 150	Careers in Biology	1							x
	BIOL 250	Journal Club	1							
	BIOL 360	Genetics	4					x	x	
	BIOL 450	Senior Seminar	2		x	x	x			x
	CHEM 112	General Chemistry II	4							

Essential Competencies-Outcome Iterations

Take two courses from the following, one of which must be a lab course:

****Transfer courses do not receive outcome iterations****

				CI	IL	W	O	Q	GA	V
	BIOL 209	Environmental Science	3	x					x	x
	BIOL 225	Plant Biology	4							
	BIOL 256	Microbiology	4	x						
	BIOL 285	Biotechnology	3	x					x	

This information must be used in conjunction with the 2019-2020 Grand View University Catalog and does not reflect a student's official record of progress. Students are expected to use the Progress tool found on myView > GV Self Service when monitoring and planning coursework. Other available resources include: Course Planning Documents (found on myView under Academics) and the faculty and staff who work with academic requirements.

Take a minimum of eleven credits from the following, 8 credits of which must be lab courses:

Essential Competencies-Outcome Iterations
****Transfer courses do not receive outcome iterations****

				CI	IL	W	O	Q	GA	V
	BIOL 310	Field Ecology	4							
	BIOL 325	Plant Physiology	4							
	BIOL 330	Reproductive and Developmental Biology	3							
	BIOL 335	Physiology	4							
	BIOL 380	Cell Biology	4					x		
	BIOL 392	Independent Study	1-4							
	BIOL 399	Internship	3							
	BIOL 410	Histology	4							
	BIOL 415	Molecular Biology	4							
	BIOL 420	Gross Anatomy	4							
	BIOL 430	Special Topics	1-4							
	BIOL 444	Immunology	3							
	BIOL 499	Research in Biology	1-3							

Essential Competencies-Outcome Iterations
****Transfer courses do not receive outcome iterations****

Choose one course from the following:

				CI	IL	W	O	Q	GA	V
	CHEM 321	Organic Chemistry I	5							
	CHEM 322	Organic Chemistry II	5				x			
	MATH 122	Trigonometry	3							
	STAT 241	Principles of Statistics	4	x				x		
	STAT 261	Applied Statistics	3					x	x	
	PHIL 325	Bioethics	3							
	PHYS 131	Introduction to Physics I	4							
	PHYS 132	Introduction to Physics II	4							

These courses will be counted in computing the 2.20 GPA for the major.

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