



Biotechnology

Degree Awarded: Bachelor of Arts

Requirements for the Major: 48-50 credits plus 15 prerequisite credits

The major in Biotechnology is designed to respond to a rapidly growing field in which employers are seeking baccalaureate prepared graduates. This degree also prepares students who seek further education at the graduate level. Students who major in Biotechnology can be employed in both the traditional laboratory setting and a less traditional one such as field work. The expansion of biotechnology into a large variety of sectors allows students to work in vaccine development, plant and crop development, food enhancement, renewable fuels, and numerous other areas. Students who are interested in improving the quality of life will be attracted to this area. Varied employers include those in private and government research laboratories and manufacturing and pharmaceutical companies. Students are prepared through foundational courses in general biology, genetics, cell biology, physiology, and biotechnology. Additional courses in the sciences ensure that students meet the educational demands of a variety of potential employers.

Transfer credit for Biology courses must be taken within the past 10 years.

Prerequisite courses for the major:

Essential Competencies-Outcome Skills **Transfer courses do not receive outcome skills**

				IL	W	O	Q	IC	V
	BIOL 101	General Biology I	4		x				
	CHEM 111	General Chemistry I	4				x		
	CHEM 112	General Chemistry II	4						
	MATH 121	College Algebra	3				x		

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

Requirements for the Major:

Essential Competencies-Outcome Skills **Transfer courses do not receive outcome skills**

				IL	W	O	Q	IC	V
	BIOL 102	General Biology II	4	x	x				
	BIOL 225	Plant Biology	4						
	BIOL 250	Journal Club	1						
	BIOL 256	Microbiology	4						
	BIOL 285	Biotechnology	3					x	
	BIOL 290	Methods in Biotechnology	3				x		
	BIOL 360	Genetics	4				x	x	
	BIOL 380	Cell Biology	4			x	x		
	BIOL 415	Molecular Biology	4						
	BIOL 450	Senior Seminar	2	x	x	x			x
	CHEM 321	Organic Chemistry I	5						
	STAT 241 or STAT 261	Principles of Statistics Applied Statistics	4 or 3				x x	x	

Take two courses from the following:

Essential Competencies-Outcome Skills **Transfer courses do not receive outcome skills**

				IL	W	O	Q	IC	V
	BIOL 325	Plant Physiology	4						
	BIOL 335	Physiology	4						
	BIOL 399	Internship	3						

All these major courses will be counted in computing the 2.2 GPA required for this major.

This information must be used in conjunction with the 2024-2025 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 myGVU >Tools > My Academics > 'Plan and register for courses' to monitor and plan coursework. Other available resources include: Course Planning Documents (found on myGVU under Academics and Advising Resources) and the faculty and staff who work with academic requirements.