



2024-2025

BIOLOGY MAJOR, B.A.

Science & Health Department; Shaw School of Sciences

The biology degree prepares students for entry level work in the life sciences, for admission to medical programs, and for graduate study in disciplines such as anatomy, physiology, genetics, microbiology, ecology, and plant science

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement.

MAJOR REQUIREMENTS (63)

__ 3	BIO	201	General Biology I	
__ 3	BIO	202	General Biology II	
__ 1	BIO	203	General Biology Lab I	
__ 1	BIO	204	General Biology Lab II	
__ 2	BIO	341	Ethical Issues	
__ 3	BIO	352	Physiology	
__ 1	BIO	354	Physiology Lab	
__ 1	BIO	399	Intro to Bio Research	
__ 2	BIO	400	Senior Research	
__ 1	BIO	475	Senior Seminar	
__ 3	CHE	121	Gen College Chemistry I	
__ 3	CHE	122	Gen College Chemistry II	
__ 1	CHE	123	Gen College Chemistry Lab I	
__ 1	CHE	124	Gen College Chemistry Lab II	
__ 3	CHE	221	Organic Chemistry I	
__ 3	CHE	222	Organic Chemistry II	
__ 1	CHE	223	Organic Chemistry Lab I	
__ 1	CHE	224	Organic Chemistry Lab II	
__ 4	MAT	181	Calculus I	__ Lab
__ 4	PHY	201	Intro Physics I	__ Lab
__ 4	PHY	202	Intro Physics II	__ Lab
__ 3	PSY	315	Stats for Behavioral Science	

Choose one Environmental Biology:

__ 4	BIO	217+219	Environmental Science
	BIO	221+223	Ecology

Choose one Plant Biology:

	BIO	227+229	Aquatic/Wetland Biology
__ 4	BIO	272+274	Principles Plant Biology

Choose one Cellular Biology:

	BIO	322	Genetics
__ 3-4	BIO	372+374	Cell & Molecular Bio

Choose one Human Biology:

	BIO	211+213	Microbiology
__ 3-4	BIO	331+333	Human Anatomy
	BIO	379	Immunology

PLUS FOUNDATIONS REQUIREMENTS (49)

(3 hours Math and 4 hours Science satisfied by required major courses.)

Plus electives needed for the 124 hour degree requirement (12)