

KAM SCHOOL OF LIFE SCIENCES

Roadmap for Biotechnology Major (Fall 2024)

Freshmen	Fall 2024				Spring 2025			
	GE 1	Univ	UNIV 100	3	GE 5	Hum	WRCM 102	3
	GE 2	Hum	WRCM 101	3	GE 6	Hum	ISLM 101/CRST 152	3
	GE 3	S/BS	PKST 101	3	GE 7	S/BS	Course from any discipline listed in catalog	3
	GE 4	S & M	Physical Science/Natural Science	4	GE 8	S & M	MATH 100	3
	Core 1		BIOT 201 Introduction to Biotechnology	3	Core 2		BIOL 201 Cell Biology	3
16				15				
Sophomore	Fall 2025				Spring 2026			
	GE 9	Hum	URDU 101	3	Course from any discipline listed in catalog			3
	GE 10	S/BS	Course from any discipline listed in catalog	3	GE 12	Hum		3
	GE 11	S & M	CSCS 100	3	GE 13	S & M	Sci/Maths/Stat/Comp Sci/Logic	3 or 4
	Core 3		BIOL 203 General Genetics	3	GE 14	Hum	Course from any discipline listed in catalog	3
	Core 4		BIOT 202 Protoplast, Cell & Tissue Culture	4	Core 5		BIOL 313 Biochemistry	4
16				16 or 17				
Junior	Fall 2026				Spring 2027			
	GE 15	S & M	Physical Science/Natural Science	4	Core 8		Is of Enzymology	4
	Core 6		BIOL 315 Fundamentals of Microbiology	4	Core 9		BIOT 313 Molecular Biology	4
	Core 7		BIOT 301 Analytical Techniques in Biology	3	Core10		BIOT 314 Bioenergetics & Metabolism	3
	Maj Ele 2		BIOT 305 Commercialization of Biotechnology Products	3	Maj Ele 3		BIOT 316 Fundamentals of Virology	3
	FE 1		Free elective	3	FE 2		Free elective	3
17				17				
SUMMER		Internship BIOT 498/Research BIOT 499		6				
Senior	Fall 2027				Spring 2028			
	Core 11		BIOT 408 Recombinant DNA Technology	4	Core 12		BIOT 412 Medical Biotechnology	3
	Maj Ele 4		BIOT 315 Genomics & Tools of Bioinformatics	4	Core 13		BIOT 411 Agriculture Biotechnology	3
	Maj Ele 5		BIOT 307 Molecular Immunology	3	FE 5		Free elective	3
	Maj Ele 6		BIOT 409 Food and Dairy Technology	3	FE 6		Free elective	3
	14				12			

Credit requirement for Biotechnology major = 54 (45 core + 19 electives)

Minimum credits for degree completion 124

Ele	Elective	Uni	University 100
FE	Free Elective	GE	General Education
Hum	Humanities	Maj	Major

S/SB	Social & Behavioral Science
S & M	Science and Mathematics

Wishing you all the best.