

BACHELOR OF STUDIES (HONS) BIOTECHNOLOGY DEGREE

FALL 2022.

Freshmen	GE 1	Univ	UNIV 100	3	Freshmen	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	BIOL 102/105	4		GE 8	S & M	MATH 100	3
	Core 1		BIOL 201 Cell Biology	3		Core 2		BIOL 203 General Genetics	3
			Fall 2022	16				Spring 2023	15
Sophomore	GE 9	Hum	URDU 101	3	GE 12	Hum	Course from any discipline listed in catalog	3	
	GE 10	S/BS	Course from any discipline listed in catalog	3	GE 13	S & M	Sci/Math/Stat/Comp Sci/Logic	3 or 4	
	GE 11	S & M	CSCS 100	3	GE 14	Hum	Course from any discipline listed in catalog	3	
	Core 3		BIOT 201 Intro to Biotechnology	3	Core 5		BIOL 313 Biochemistry	4	
	Core 4		BIOT 202 Protoplast, Cell & Tissue Culture	4	Maj Ele 1		BIOL 212 Biostatistics	3	
			Fall 2023	16			Spring 2024	16 or 17	
Junior	GE 15	S & M	Physical Science/Natural Science	4	Core 8		BIOT 302 Fundamentals 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	Core 10		BIOT 314 Bioenergetics & Metabolism	3	
	Maj Ele 2		BIOT 305 Commercialization of Biotechnology	3	Maj Ele 3		BIOT 316 Fundamentals of Virology	3	
	FE 1		Free elective	3	FE 2		Free elective	3	
			Fall 2024	17			Spring 2025	17	
SUMMER									
Internship BIOT 498/Research BIOT 499				6					
Senior	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	
			Fall 2025	14			Spring 2026	12	

Ele Elective
 FE Free Elective
 GE General Education
 Hum Humanities
 Maj Major
 S & M Science and Mathematics/University 100
 S/BS Social & Behavioral Science

Minimum Credits required for Degree: 124.

- One must complete his/her degree in 8-regular semesters (Fall & Spring).
- One must read details of Degree Requirements/Academic Policies in their respective Catalog.
- Contact Faculty Advisor or Chairperson of Department in case of any question or query.