

Minimum hours required for the Bachelor of Science degree in Biotechnology is 124

Freshman (First Year)

First Semester			Second Semester		
AIU 100	The AIU Experience (EX)	1	AIU 111/112	Wellness (WL)	1
BIO 100	Basic Life Diversity	3	BIO 101	Basic Life Mechanisms	3
CHM 110	General Chemistry I (NS)	3	BIO 102	Basic Life Mechanisms Laboratory	1
CHM 111	General Chemistry I Laboratory (NS)	1	CHM 112	General Chemistry II	3
ENG 101	College Writing (EC)	3	CHM 113	General Chemistry II Laboratory	1
MAT 121	Calculus I (MA)	4	CSC 101	Computer Essentials (CS)	3
Total Credit Hours		15	GenEd AH course		3
			Total Credit Hours		15

Sophomore (Second Year)

First Semester			Second Semester		
BIO 201	Introduction to Cell Biology	4	BIO 210	Microbiology	4
CHM 230	Organic Chemistry I	3	CHM 240	Organic Chemistry II	3
CHM 231	Organic Chemistry I Laboratory	1	CHM 241	Organic Chemistry II Laboratory	1
PHY 120	Physics I (NS)	3	MAT 115	Quantitative Methods I	3
PHY 121	Physics I Laboratory (NS)	1	GenEd SS course		3
GenEd SS course		3	Total Credit Hours		14
Total Credit Hours		15			

Junior (Third Year)

First Semester			Second Semester		
BIO 310	Genetics	4	AIU 300	Internship & Career Preparation (EX)	1
BIO 320	Human Physiology	3	BIO 330	Cellular Biochemistry	3
BIO 375	Histology	3	BIO 380	Molecular Biology and Biotechnology	4
BIO 376	Histology Lab	1	BIO 315	Bioinformatics	3
ENG 301	Technical Writing (EC)	3	CHM 310	Physical Chemistry I	3
MAT 116	Quantitative Methods II	3	Total Credit Hours		14
Total Credit Hours		17	Summer Semester - BIO 490 Internship		3

Senior (Fourth Year)

First Semester			Second Semester		
BIO 410	Biometry	3	BIO 460	Principles & Applications of Biotechnology II	3
BIO 435	Bioenergetics	3	BIO 496	Senior Project II	3
BIO 450	Principles & Applications of Biotechnology I	3	PHL 112	Professional Ethics (AH)	3
BIO 495	Senior Project I	1	Specialization course		3
ENG 302	Technical Presentations (OC)	3	Specialization course		3
Specialization course		3	Total Credit Hours		15
Total Credit Hours		16			

This is a recommended plan of study for the Bachelor of Science in Biotechnology.
Please see the 2022-2023 Undergraduate Catalog for a complete explanation of degree requirements.

