

Biological Sciences Semester Conversion Guide for Majors

Major: **Biotechnology**

Option:

Quarter System

Semester System

Required BIO Courses

Units

Units

Required BIO Courses	Units	Units
Foundations of Biology: Energy and Matter, Cycles and Flows & Lab	BIO 121/L 3/2	Foundations of Biology: Energy, Matter, and Information
		BIO 1210 3/1
Foundations of Biology: Reproduction and Development & Lab	BIO 122/L 3/2	Split between BIO 1210/L and BIO 1220/L
Foundations of Biology: Biodiversity & Lab	BIO 123/L 3/2	Foundations of Biology: Evolution, Ecology, and Biodiversity
		BIO 1220 3/1
Biometrics	BIO 211 3	Does not continue*
Biometrics Lab	BIO 211L 1	Biostatistics Lab
		BIO 2110L 1
Horizons in Biotechnology	BIO 230 1	Horizons in Biotechnology
		BIO 2300 1
Genetics	BIO 303 4	Genetics
		BIO 2400 3
Cell and Molecular Biology	BIO 310 4	Cell and Molecular Biology
		BIO 3220 3
Basic Microbiology & Lab	MIC 201/L 3/1	Basic Microbiology & Lab
		BIO 2060/L 3/1
Internship in Biology	BIO 441 1-2	Internship in Biology
		BIO 4410 1-2
Concepts of Molecular Biology	BIO 450 4	Concepts of Molecular Biology
		BIO 4300 3
Molecular Biology Techniques & Lab	BIO 451 3/2	Molecular Biology Techniques & Lab
		BIO 4300/L 3/1
Scientific Communication	BIO 490 1	Does not continue*

Other Required Courses

Units

Units

Other Required Courses	Units	Units
General Chemistry & Lab 1st Quarter	CHM 121/L 3/1	General Chemistry I & Lab
		CHM 1210/L 3/1
General Chemistry & Lab 2nd Quarter	CHM 122/L 3/1	split between General Chemistry/Lab I & II
General Chemistry & Lab 3rd Quarter	CHM 123/L 3/1	General Chemistry II & Lab
		CHM 1220/L 3/1
Quantitative Analysis	CHM 221/L 2/2	Quantitative Analysis
		CHM 2210/L 2/2
Organic Chemistry 1st Quarter	CHM 314 3	Organic Chemistry I
		CHM 3140 3
Organic Chemistry 2nd Quarter	CHM 315 3	split between Organic Chemistry I & II
Organic Chemistry 3rd Quarter	CHM 315 3	Organic Chemistry II
		CHM 3150 1
Organic Chemistry Lab 1st Quarter	CHM 317L 1	Organic Chemistry I Lab
		CHM 3140L 3
Biochemistry & Lab 1st Quarter	CHM 327/L 3/1	Biochemistry I & Lab
		CHM 3270/L 3/1
Biochemistry & Lab 2nd Quarter	CHM 328/L 3/1	split between Biochemistry/Lab I & II
Biochemistry & Lab 3rd Quarter	CHM 329/L 3/1	Biochemistry II & Lab
		CHM 3280/L 3/1
College Physics & Lab 1st Quarter	PHY 121/L 3/1	College Physics I & Lab
		PHY 1210/L 3/1
College Physics & Lab 2nd Quarter	PHY 122/L 3/1	split between College Physics I & II
College Physics & Lab 3rd Quarter	PHY 123/L 3/1	College Physics II & Lab
		PHY 1220/L 3/1
Calculus for Life Sciences	MAT 120 4	Calculus for Life Sciences
		MAT 1200 3

* We will allow students to petition out of these courses in semesters. Please consult an advisor.

Please note that you need to take other courses to satisfy your degree requirements. Please consult:

Curriculum Sheets

Biology Courses Offered in 2018-19