

Biological Sciences Semester Conversion Guide for Majors

Major: **Biology**

Option: **Botany**

Quarter System

Required BIO Courses

		Units
Foundations of Biology: Energy and Matter, Cycles and Flows & Lab	BIO 121/L	3/2
Boundations of Biology: Reproduction and Development & Lab	BIO 122/L	3/2
Foundations of Biology: Biodiversity & Lab	BIO 123/L	3/2
Biometrics	BIO 211	3
Biometrics Lab	BIO 211L	1
Genetics	BIO 303	4
Principles of Ecology & Lab	BIO 325/L	3/1
Principles of Evolution	BIO 413	4
Form and Function in Plants & Lab	BOT 201/L	3/1
California Flora & Lab	BOT 343/L	1/2
Plant Physiology & Lab	BOT 428/L	4/1
Evolution of Plants & Lab	BOT 434/L	3/2
Plant Anatomy & Lab	BOT 435/L	2/2
Plant Tissue Culture & Lab	BOT 456/L	3/1
Basic Microbiology & Lab	MIC 201/L	3/1
Plant-Microbe Interactions & Lab	MIC 436/L	2/2
Environment and Society	BIO 304	4
or Biodiversity Conservation	BIO 340	4
Scientific Communication	BIO 490	1

Semester System

		Units
Foundations of Biology: Energy, Matter, and Information	BIO 1210	3/1
Split between BIO 1210/L and BIO 1220/L		
Foundations of Biology: Evolution, Ecology, and Biodiversity	BIO 1220	3/1
Does not continue*		
Biostatistics Lab	BIO 2110L	1
Genetics	BIO 2400	3
Principles of Ecology & Lab	BIO 3250/L	3/1
Principles of Evolution	BIO 3240	3
Form and Function in Plants & Lab	BIO 2050/L	3/1
California Flora & Lab	BIO 3500/L	1/1
Plant Physiology & Lab	BIO 4480/L	3/1
Evolution of Plants & Lab	BIO 4520/L	3/1
Plant Anatomy & Lab	BIO 4530/L	2/2
Does not continue*		
Basic Microbiology & Lab	BIO 2060/L	3/1
Plant-Microbe Interactions & Lab	BIO 4690/L	2/1
Environment and Society	BIO 3040	3
or Biodiversity Conservation	BIO 3120	3
Does not continue*		

Other Required Courses

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
Elements of Organic Chemistry	CHM 201	3	Elements of Organic Chemistry	CHM 2010	3
Elements of Organic Chemistry Lab	CHM 250L	1	Elements of Organic Chemistry Lab	CHM 2010L	1
Elements of Biochemistry	CHM 321	3	Elements of Biochemistry	CHM 3210	3
Elements of Biochemistry Lab	CHM 321L	1	Elements of Biochemistry Lab	CHM 3270L	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/Lab 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
Basic Soil Science & Lab	PLT 231/L	3/1	Consult College Agriculture		
Health, Nutrition, and Integrated Being	FN 230	4	Consult College Agriculture		
or General Psychology	PSY 201	4	Consult Department of Psychology/Sociology		
or Mind, Brain, and Behavior: An Integrated	PSY 210	4	Consult Department of Psychology/Sociology		
or Science and Math: Freshman Exp I	SCI 101/A	1/1	Consult Math Dept		
and Science and Math: Freshman Exp II	SCI 102/A	1/1	Consult College of Science		
Statistics with Applications	STA 120	4	Statistics with Applications	STA 1300	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