

Biological Sciences Semester Conversion Guide for Majors

Major: **Biology**

Option: **General Biology**

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 |
| Cell and Molecular Biology | BIO 310 | 4 |
| Principles of Ecology & Lab | BIO 325/L | 3/1 |
| Principles of Evolution | BIO 413 | 4 |
| Cellular Physiology & Lab | BIO 428/L | 4/1 |
| or Plant Physiology & Lab | BOT 428/L | 4/1 |
| or Microbial Physiology & Lab | MIC 428/L | 4/1 |
| or Animal Physiology & Lab | ZOO 428/L | 4/1 |
| Form and Function in Plants & Lab | BOT 201/L | 3/1 |
| Basic Microbiology & Lab | MIC 201/L | 3/1 |
| Animal Biology & Lab | ZOO 201/L | 3/1 |
| Environment and Society | BIO 304 | 4 |
| or Biodiversity Conservation | BIO 340 | 4 |
| Scientific Communication | BIO 490 | 1 |

Semester System

Units

| | 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 |
| Cell and Molecular Biology | BIO 3220 3 |
| Principles of Ecology & Lab | BIO 3250/L 3/1 |
| Principles of Evolution | BIO 3240 3 |
| Physiology I: Cells & Lab | BIO 4450/L 3/1 |
| Plant Physiology & Lab | BIO 4480/L 3/1 |
| Microbial Physiology & Lab | BIO 4660/L 3/1 |
| Physiology II: Systems & Lab | BIO 4460/L 3/1 |
| Form and Function in Plants & Lab | BIO 2050/L 3/1 |
| Basic Microbiology & Lab | BIO 2060/L 3/1 |
| Animal Biology & Lab | BIO 2070 3/1 |
| 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 |
| 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