

## **General Biology Track: 64 units**

### **Supporting Science Courses: 20 units**

CHM 005 General Chemistry I (4)

CHM 006 General Chemistry II (4)

MA 005 Introduction to Statistics (4)

*Additional courses (8)*

CS 010 Introduction to Computer Science (4)

### **OR**

additional courses in chemistry, mathematics or physics (with the exceptions of CHM 004, Chemistry, Culture and Society and MA 008, Functions and Models)

### **Required Biology Courses: 26-29 units**

BIO 005 General Biology I (4)

BIO 006 General Biology II (4)

BIO 114 Genetics (4)

*One course from each of the following three areas: (12)*

Cellular and Molecular Biology

BIO 113 Biochemistry (4)

BIO 130 Cell Biology (4)

BIO 132 Molecular Biology (4)

BIO 150 (New Course) Genomics and Bioinformatics (4)

Organismal Biology

BIO 102 Physiology (4)

BIO 108 Animal Diversity (4)

BIO 110 Microbiology (4)

BIO 128 Comparative and Environmental Ecology (4) (NOTE: name change, as well)

BIO 141 Herpetology/Ornithology (4)

BIO 142 Marine Mammal Ecophysiology (4)

Population Biology

BIO 104 Marine Biology (4)

BIO 120 Behavioral Ecology (4)

BIO 125 General Ecology (4)

BIO 126 Animal Ecology (4) (AuSable)

BIO 129 Tropical Ecology (4)

BIO 131 Evolution (4)

Regional ecosystem courses (various off-campus programs)

BIO 195 Seminar in Biological Research Literature (1) (**required** of all majors in this track)

*One integrative course from the following: (1-4)*

BIO 196 Bioethics Seminar (1)

BIO 197 Biology and Faith (4)

BIO 124 Biology, Values, and the Developing World (4)

**Major electives from the following for a total of 64 units: 15-18 units**

Upper-division BIO

Upper-division CHM

MA 009 Elementary Calculus I (4)

MA 010 Elementary Calculus II (4)

MA 015 Discrete Mathematics (4)

PHS 114 Earth Science (4)

PSY 125 Behavioral Neuroscience (4)

No more than 12 units to be selected from physical sciences or math

No more than 2 units of Practicum: BIO 190, 191, or 192

No more than 4 units Research: BIO 198