### General Studies

- **33 min.**

### Major courses

- **40**

### Minor (Pre-Healthcare Minor not permitted)

- **18 min.**

### Required Non-Biology

- **5**

### Electives

- **24**

### Total to graduate (min. 40 hrs. upper-division)

- **120 min.**

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**TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

**Written Communication**

- **ENG 1010 (3 hrs.) Composing Arguments**
- **or ENG 1008/1009 (6 hrs.) Intro to Composition, Parts 1 & 2**
- **ENG 1020 (3 hrs.) Freshman Comp: Analysis, Research, & Documt.**
  
  *(ENG 1020 must be completed within 45 credit hours)*

**Oral Communication**

- **(3 hrs.)**

**Quantitative Literacy**

- **MTH 1112 (4 hrs.) College Algebra through Modeling**
  
  *(recommended—see your BIO department advisor)*

**Arts and Humanities**

- **(3 hrs.)**
- **(3 hrs.)**

**Historical**

- **(3 hrs.)**

**Natural and Physical Sciences**

- **CHE 1100 (4 hrs.) Principles of Chemistry**
- **CHE 1150 (1 hrs.) Principles of Chemistry Lab**

*A 1 hr. deviation is allowed provided student has 33 hrs. of General Studies.*

**Social and Behavioral Sciences I**

- **(3 hrs.)**

**Social and Behavioral Sciences II**

- **(3 hrs.)**

**Global Diversity**

- **(3 hrs.)** *(may be satisfied within General Studies)*

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**MAJOR COURSES (Please see Faculty Advisor in BIO department)**

- **BIO 1080 (3 hrs.) General Biology I**
- **BIO 1090 (1 hrs.) General Biology Lab I**
- **BIO 1081 (3 hrs.) General Biology II**
- **BIO 1091 (1 hrs.) General Biology Lab II**
- **BIO 3600 (4 hrs.) General Genetics (check catalog for prereqs.)**
  
  *or* **BIO 3610 (4 hrs.) Genetics: Principles and Analysis**

Select two of these options:

- **Option 1: BIO 2100 (5 hrs.) General Botany**
- **Option 2: BIO 2400 (5 hrs.) General Microbiology**
- **Option 3: BIO 2310 (4 hrs.) and BIO 2320 (4 hrs.)**
  
  *Human Anatomy & Physiology I & II*
- **Option 4: BIO 3050 (4 hrs.) Cell and Molecular Biology**
- **Option 5: Either BIO 3200 (4 hrs.) Invertebrate Zoology or**
  
  **BIO 3260 (4 hrs.) Vertebrate Zoology**

Select one of the following:

- **BIO 4510 (4 hrs.) Microbial Ecology (Senior Experience)**
- **BIO 4540 (4 hrs.) Plant Ecology (Senior Experience)**
- **BIO 4550 (4 hrs.) Animal Ecology (Senior Experience)**

**Required Non-biology course**

- **CHE 2100 (5 hrs.) Intro to Organic & Biological Chemistry**
  
  *(or equivalent—see department)*

**Biology Electives** — Biology courses selected from the 2000, 3000, and 4000-level series, and approved by faculty advisors in the Biology Department, must be completed to bring the total of biology courses approved for the major to 40 semester hours. At least 21 hours of the major must be upper-division Biology.

**Multicultural Requirement**

- *(may be satisfied within General Studies, major, minor or elective)*

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**MINOR (required)**

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**ELECTIVES**