**General Studies Requirements (58-62 sh)**

**FIRST-YEAR CORE:**

- **GST 110** - Global Experience (4 s.h.)
- **ENG 110** - College Writing (4 s.h.)
- **MTH 112 or 121 or 212** (4 s.h.)
- **HED 111** - Contemporary Wellness (2 s.h.)

**Expression** (8 s.h.)

-Eight hours chosen from at least two of the following:
- Literature (in English or foreign languages), philosophy, & fine arts (art, art history, dance, fine arts, music, music theatre, & theatre).

**Civilization** (8 s.h.)

-Eight hours chosen from at least two of the following:
- History, foreign languages, and religious studies.

**Society** (8 s.h.)

-Eight hours chosen from at least two of the following:
- Economics, geography, human services - HSS 111 only, political science, psychology, & sociology/anthropology.

**Science** (8 s.h.)

-Eight hours chosen from one or more of the following:
- Mathematics, science, and computer science (CSC designation). At least one course must be a physical or biological laboratory science.

**ADVANCED STUDIES** (Must be outside major.)

(8 s.h.)

-Eight hours of 300-400 level coursework outside the major field and chosen from areas under Studies in the Arts and Sciences.

**GST Interdisciplinary Seminar** (4 s.h.)

-300-400 level GST course; requires junior/senior status.

*Required in major; may count in General Studies.

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**Major Requirements**

A minimum of 52 s.h. in the following courses is required.

- **BIO 111 (3)** - Introductory Cell Bio
- **BIO 113 (1)** - Cell Biology Lab
- **BIO 112 (3)** - Introductory Population Bio
- **BIO 114 (1)** - Population Biology Lab
- **BIO 231 (4)** - Biodiversity
- **BIO 245 (3)** - Principles of Genetics
- **BIO 246 (1)** - Genetics Lab
- **BIO 261 (2)** - Introductory Seminar

Choose one course (4 s.h.) from Molecular/Cellular Category:
- **BIO 325 (4)** - Human Histology
- **BIO 348 (4)** - Biotechnology
- **BIO 422 (4)** - Molecular and Cellular Biology
- **BIO 445 (4)** - Advanced Genetics

Choose one course (4 s.h.) from Organismal Category:
- **BIO 316 (4)** - Developmental Biology
- **BIO 318 (4)** - Comp. Vertebrate Structure & Function
- **BIO 321 (4)** - Microbiology
- **BIO 331 (4)** - Animal Behavior
- **BIO 332 (4)** - Zoology
- **BIO 341 (4)** - Botany
- **BIO 343 (4)** - Clinical Anatomy
- **BIO 442 (4)** - Plant Physiology

Choose 8 s.h. of BIO electives selected from:
- Molecular / Cellular Biology category
- Organismal Biology category
- Supraorganismic Biology category
- Special topics seminars (non-lab courses)
- Undergraduate research (BIO 499) up to 4 s.h.
- (At least one elective must have “Diversity” designation: BIO 321, 335, 341, 342, 442)

- **BIO 462 (2)** - Senior Seminar

- **CHM 111 (4)** - General Chemistry I with lab
- **CHM 112 (4)** - General Chemistry II with lab

- **MTH 112 (4)** - General Statistics

**-OR-**

- **MTH 212 (4)** - Statistics in Application

A required experiential component selected from:
- (a) internship
- (b) research
- (c) specialized approved lab assistantship

Major Total (s.h.)