

General Education

Foundations: (12 Credits)

Oral Communication (3 Credits)

- COMJ 1010 Public Speaking

Quantitative Reasoning (3 Credits)

- MATH 2320 Essentials of Calculus or MATH 2410 Calculus I

Technological Literacy (3 Credits)

- _____

Written Communication (3 Credits)

- ENGL 1200 - College Composition

Discoveries: (Credits 27)

At least two (2) disciplines must be represented within each of the three (3) categories.

Art/Humanities (9 Credits)

- _____
- _____
- _____

Natural Sciences & Technology (9 Credits)

- CHEM 1108 General Chemistry I
- CHEM 1128 General Chemistry II
- _____

Social Sciences (9 Credits)

- PSYC 1000 Introduction to Psychology
- _____
- _____

Elective/Wellness & Personal Health: (3 Credits)

- STAT 2020 Elements of Statistics

Competencies:

Applied Methodologies

- _____

Ethical Reasoning

- BIOL 2010 Intro to Bioethics or PHIL 3220 Biomedical Ethics

Information Literacy

- _____

Intercultural Fluency

- _____

Keystone Experience

- BIOL 4480, BIOL 4951, BIOL 4985, or BIOL 4999

Quantitative Applications

- _____

Writing Intensive - Two (2) courses are required

- BIOL 3326 General Microbiology
- BIOL 3330 Cell Biology

Program Requirements

Required Major Courses: (47 Credits)

- BIOL 1400 Intro to Ecology and Evolution
- BIOL 1700 Intro to Organismal Biology
- BIOL 1900 Introduction to Cell and Molecular Biology
- BIOL 2010 Intro to Bioethics Ethics
 - ~Or~ PHIL 3220 Biomedical Ethics
- BIOL 2202 Genetics
- BIOL 2810 Anatomy & Physiology I Lecture
 - ~And~ BIOL 2811 Anatomy & Physiology I Lab
- BIOL 3810 Anatomy & Physiology II Lecture
 - ~And~ BIOL 3811 Anatomy & Physiology II Lab
- BIOL 3326 General Microbiology
- BIOL 3330 Cell Biology
- PHYS 1500 General Physics I Lecture
 - PHYS 1510 General Physics I Laboratory
- PHYS 1600 General Physics II Lecture
 - PHYS 1610 General Physics II Laboratory
- CHEM 2200 Organic Chemistry I Lecture
- CHEM 2205 Organic Chemistry I Lab

Related Electives: (13 Credits)

Upper Level Courses in BIOL or CHEM and One or More of the Following: BIOL 4480 Topics in Field Biology or BIOL 4951 Internship in Biology or BIOL 4985 Biotechnology and DNA Methods or BIOL 4999 Research in Biology

- _____
- _____
- _____
- _____

Free Electives: (18 Credits)

- _____
- _____
- _____
- _____
- _____
- _____

Program Notes: Additional classes will be required to meet specific requirements for professional schools. Many schools require English Composition II, additional Psychology and/or Sociology courses, and additional Chemistry courses (Chemistry minor recommended). These can be taken as Discoveries course and/or free electives.

Suggested Four Year Course Sequence

Year 1

Fall Semester

BIOL 1400 Ecology & Evolution
ENGL 1200 College Composition
CHEM 1108 General Chemistry I
Any Course

Spring Semester

BIOL 1700 Introduction to Organismal Biology
CHEM 1128 General Chemistry II
PSYC 1000 General Psychology
Tech Literacy
Any Course

Year 2

Fall Semester

BIOL 1900 Intro to Cellular & Molecular Biology
CHEM 2200 Organic Chemistry I Lecture
~And~CHEM 2205 Organic Chemistry I Laboratory
BIOL 2010 Intro to Bioethics
~Or~ PHIL 3220 Biomedical Ethics
COMJ 1010 Public Speaking

Spring Semester

BIOL 2202 Genetics
~Or~ BIOL 3326 Microbiology
MATH 2320 Essentials of Calculus
~Or~ MATH 2410 Calculus I
Social Science
Any Course
Arts & Humanities

Year 3

Fall Semester

BIOL 2810 Anatomy & Physiology I Lecture
~And~ BIOL 2811 Anatomy & Physiology I Lab
BIOL 3326 Microbiology
~Or~ BIOL 2202 Genetics
PHYS 1500 General Physics I
~And~ PHYS 1510 General Physics I Laboratory
STAT 2020 Elements of Statistics

Spring Semester

BIOL 3810 Anatomy & Physiology II Lecture
~And~ BIOL 3811 Anatomy & Physiology II Lab
Related Elective
PHYS 1600 General Physics II
~And~ PHYS 1610 General Physics II Laboratory
Arts & Humanities

Year 4

Fall Semester

BIOL 3330 Cell Biology
~Or~ Related Elective
Related Elective
Social Science
Any Course
Any Course

Spring Semester

BIOL 3330 Cell Biology
~Or~ Related Elective
Related Elective & Natural Sci & Tech
Arts & Humanities
Any Course

