

General Education

Foundations: (12 Credits)

Oral Communication (3 Credits)

- COMJ 1010 Public Speaking

Written Communication (3 Credits)

- ENGL 1200 College Composition

Quantitative Reasoning (3 Credits)

- MATH 2320 Essentials of Calculus or MATH 2410 Calculus I

Technological Literacy (3 Credits)

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Discoveries: (Credits 27)

Art/Humanities (9 Credits)

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- _____

- _____

Social Sciences (9 Credits)

- PSYC 1000 Introduction to Psychology

- _____

- _____

Natural Sciences & Technology (9 Credits)

- CHEM 1108 General Chemistry I

- CHEM 1128 General Chemistry II

- _____

Wellness & Personal Health: (3 Credits)

- STAT 2020 Elements of Statistics

Competencies:

Quantitative Applications

- _____

Applied Methodologies

- _____

Intercultural Fluency

- _____

Ethical Reasoning

- BIOL 2010 Intro to Bioethics or PHIL 3220 Biomedical Ethics

Information Literacy

- _____

Writing Intensive

- BIOL 3326 General Microbiology and Any Course

Keystone Experience

- 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

Program Requirements

Required Major Courses: (47 Credits)

- BIOL 1400 Ecology & Evolution

- BIOL 1700 Introduction to Organismal Biology

- BIOL 1900 Intro to Cellular & Molecular Biology

- BIOL 2010 Intro to Bioethics or PHIL 3220 Biomedical Ethics

- BIOL 2202 Genetics

- BIOL 2810 Anatomy & Physiology I Lecture

- BIOL 2811 Anatomy & Physiology I Lab

- BIOL 3810 Anatomy & Physiology II Lecture

- BIOL 3811 Anatomy & Physiology II Lab

- BIOL 3326 General Microbiology

- BIOL 3330 Cell Biology

- PHYS 1500 General Physics I

- PHYS 1510 General Physics I Laboratory

- PHYS 1600 General Physics II

- PHYS 1610 General Physics II Laboratory

- CHEM 2200 Organic Chemistry I Lecture

- CHEM 2205 Organic Chemistry I Laboratory

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

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Free Electives: (18 Credits)

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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 3

Fall Semester

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

Spring Semester

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

Year 2

Fall Semester

BIOL 1900 Intro to Cellular & Molecular Biology
CHEM 2200 Organic Chemistry I Lecture
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 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

