

General Education

Foundations: (12 Credits)

Oral Communication (3 Credits)

- Any Course

Quantitative Reasoning (3 Credits)

- MATH 2320 Essentials of Calculus ~Or~ MATH 2410 Calculus I

Technological Literacy (3 Credits)

- Any Course

Written Communication (3 Credits)

- ENGL 1200 - College Composition

Discoveries: (Credits 27)

Art/Humanities (9 Credits)

- _____
- _____
- _____

Natural Sciences & Technology (9 Credits)

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

Social Sciences (9 Credits)

- _____
- _____
- _____

Wellness & Personal Health: (3 Credits)

- STAT 2020 Elements of Statistics

Competencies:

Applied Methodologies

- _____

Ethical Reasoning

- _____

Information Literacy

- _____

Intercultural Fluency

- _____

Keystone Experience

- _____

Quantitative Applications

- _____

Writing Intensive

- BIOL 3326 General Microbiology
- ~And~ a Second course is needed

Program Requirements

Required Major Courses: (47 Credits)

- BIOL 1400 Ecology & Evolution
- BIOL 1900 Intro to Cellular & Molecular Biology
- BIOL 2202 Genetics
- BIOL 3326 General Microbiology
- BIOL 3330 Cell Biology
- BIOL 4320 Molecular Biology
- BIOL 4260 Cell Physiology
- PHYS 1500 General Physics I
- 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 Laboratory
- BIOL 4985 Biotechnology and DNA Technology
- BIOL 4999 Research in Biology

Related Elective Courses: (13 Credits)

- Any 3000 or 4000 BIOL Course
- ~Or~ CHEM 2250 Organic Chemistry II
- ~Or~ CHEM 4600 Biochemistry I
- ~Or~ CHEM 4605 Biochemistry I Lab

Free Electives: (18 Credits)

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

Suggested Four Year Course Sequence

Year 1

Fall Semester

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

Spring Semester

BIOL 1900 Intro to Cellular & Molecular Biology
CHEM 1128 General Chemistry II
Social Science Course
Tech Literacy Course
Free Elective Course

Year 3

Fall Semester

BIOL 3326 Microbiology
BIOL 4320 Molecular Biology or Related Elective
PHYS 1500 General Physics I
PHYS 1510 General Physics I Laboratory
Free Elective Course

Spring Semester

BIOL 4835 Biotechnology and DNA Technology
~Or~ Related Elective Course
BIOL 4320 Molecular Biology or Related Elective
PHYS 1600 General Physics II
PHYS 1610 General Physics II Laboratory
Social Science Course

Year 2

Fall Semester

BIOL 2202 Genetics
~Or~ BIOL 3330 Cell Biology
CHEM 2200 Organic Chemistry I Lecture
CHEM 2205 Organic Chemistry I Laboratory
Arts & Humanities Course
STAT 202 Elements of Statistics

Spring Semester

BIOL 2202 Genetics or BIOL 3330 Cell Biology
MATH 2320 Essentials of Calculus
~Or~ MATH 2410 Calculus I
COMJ 1010 Public Speaking
Arts & Humanities Course
Free Elective Course

Year 4

Fall Semester

BIOL 4835 Biotechnology and DNA Technology
~Or~ Related Elective Course
BIOL 4260 Cell Physiology
BIOL 4999 Research
~Or~ Related Elective
Free Elective Course

Spring Semester

BIOL 4999 Research
~Or~ Related Elective Course
Related Elective Course
Natural Sci & Tech Course
Arts & Humanities Course
Social Science Course
Free Elective Course

