

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 1410 Precalculus

Technological Literacy (3 Credits)

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Discoveries: (Credits 27)

Art/Humanities (9 Credits)

- ENGL 2230 Writing and the Natural Sciences

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- _____

Social Sciences (9 Credits)

- _____

- _____

- _____

Natural Sciences & Technology (9 Credits)

- CHEM 1108 Gen Chem I

- PHYS 1500 General Physics I

- _____

Wellness & Personal Health: (3 Credits)

- STAT 2020 Elements of Statistics

Competencies:

Quantitative Applications

- _____

Applied Methodologies

- _____

Intercultural Fluency

- _____

Ethical Reasoning

- _____

Information Literacy

- _____

Writing Intensive

- BIOL 3326 General Microbiology and BIOL 3330 Cell Biology

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: (43 Credits)

- BIOL 1400 Intro to Ecology and Evolution

- BIOL 1700 Intro to Organismal Biology

- BIOL 1900 Introduction to Cell and Molecular Biology

- BIOL 2202 Genetics

Required Concentration Courses: (43 Credits)

- BIOL 3326 General Microbiology

- BIOL 3330 Cell Biology

- BIOL 3500 Comparative Vertebrate Anatomy or BIOL 2810 and 2811 Human A&P I

- BIOL 4860 Comparative Animal Physiology or BIOL 3810 and 3811 Human A&P II

- CHEM 1128 General Chemistry II

- CHEM 2200 Organic Chemistry I Lecture

- CHEM 2205 Organic Chemistry I Lab

- PHYS 1510 General Physics I Lab

Concentration Electives: (Up to 19 Credits)

- Any 3000-4000 level BIOL, FWSC, VETT, ANTH course or CHEM 2250/2255 Organic Chemistry II or CHEM 4600/4605 Biochemistry 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: (Up to 17 Credits)

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Program Notes: Biochemistry is highly recommended as it is required by most veterinary schools. If you take Organic Chemistry II and Biochemistry, that will also allow the student to apply for a chemistry minor

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

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 1410 Precalculus
Social Science
Any Course
Arts & Humanities

Year 3

Fall Semester

BIOL 2810 Anatomy & Physiology I Lecture or BIOL 3500
Comparative Vertebrate Anatomy
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 202 Elements of Statistics

Spring Semester

BIOL 3810 Anatomy & Physiology II Lecture or BIOL 4860
Comparative Animal Physiology
BIOL 3811 Anatomy & Physiology II Lab
Related Elective
Related Elective
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

