

Name: \_\_\_\_\_

## **BIOLOGY (Pre-Vet), B.S.**

40 courses of three or more credits and 3 one-credit PE courses

### **GENERAL EDUCATION CORE**

**BASIC REQUIREMENTS** (2 courses and 3 one-credit PE courses)

Composition and Rhetoric

- EN 103 Composition and Rhetoric I
- EN 104 Composition and Rhetoric II

Physical Education Courses

- PE 100
- PE \_\_\_\_\_
- PE \_\_\_\_\_

**MODES OF THINKING** (3 courses)

Literature (Select one)

- EN 110, EN 112, EN 115

Mathematics (**Satisfied by Major – MA 121**)

Natural Science (**Satisfied by Major**)

Philosophy

- PL 109

Social Sciences (Select one)

- CJ 109, EC 209, EC 112, PO 103, PO 109, PS 109, or SO 109

**CULTURAL LITERACY** (6 courses)

Humanities I and II. *Preferably* select a set (e.g., HI 201/202). However, a combination (e.g., PO 201 + HI 214) is acceptable.

- Hum. I: HI 201, PO 201, HI 213
- Hum. II: HI 202, PO 202, HI 214, HI 262

Humanities III: Great Works of Art & Music

(See Master Schedule of Day Classes)

- \_\_\_\_\_

Humanities IV: Great Works of Literature

(See Master Schedule of Day Classes)

- \_\_\_\_\_

Foreign Language/World Cultures

(Select either two of the same language, any two WC, or one WC and one approved course with international study)

- \_\_\_\_\_
- \_\_\_\_\_

**CHRISTIAN VALUES AND THEOLOGY**

(3 courses)

Catholic Theology

- TH 109

Intermediate Theology (200/300 level TH)

- TH \_\_\_\_\_

Values Seminar

(See Master Schedule of Day Classes)

- \_\_\_\_\_

### **MAJOR**

(16 required courses)

- BI 151: Introductory Biology I
- BI 152: Introductory Biology II
- BI 255: Molecular Biology
- BI 330: Genetics
- BI 455: Research Seminar
- CH 101: General Chemistry I
- CH 102: General Chemistry II
- CH 231: Organic Chemistry I
- CH 232: Organic Chemistry II
- MA 121: Calculus I
- MA 122: Calculus II
- PH 201: Gen. Phys. I: Mechanics and Heat
- PH 202: Gen. Phys. II: Wave Phenomena and Electromagnetism

### **Three Biology Electives:**

**Molecular and Cell Biology:**

- BI 435: Biochemistry I (Controlled Elective)

**Organismal Biology:**

- BI 252: Microbiology **or** BI 352: Medical Microbiology (Controlled Elective)

**Ecology and Evolutionary Biology:**

- BI 241: Ecology (Controlled Elective)

### **Track: Pre-Vet**

- BI 256: Cell Biology
- BI 263: Anatomy & Physiology I **or** BI 355
- BI 264: Anatomy & Physiology II **or** BI 356
- BI 361: Developmental Biology
- BI 374: Animal Behavior
- BI 380: Evolution

### **MINOR** (6 courses)

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **ELECTIVES**

(As needed to complete 40-course req.)

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

A. Koefer, Director, Academic Resource Center  
Effective fall, 2019

*For the most up-to-date record of progress toward completion of degree requirements, students should use the Academic Evaluation tool, which is listed under the Academic Planning heading in WebAdvisor.*

**DE SALES UNIVERSITY**  
**Typical Program: BIOLOGY (Pre-Vet), B. S.**

To prepare students for medical or dental school.

**FALL SEMESTER**

**SPRING SEMESTER**

**FIRST YEAR**

Introductory Biology I (BI 151)  
General Chemistry I (CH 101)  
Composition and Rhetoric I (EN 103)  
Calculus I (MA 121)  
Foreign Language/World Cultures

Introductory Biology II (BI 152)  
General Chemistry II (CH 102)  
Composition and Rhetoric II (EN 104)  
Calculus II (MA 122)  
Foreign Language/World Cultures  
Lifetime Fitness and Wellness (PE 100)

**SECOND YEAR**

Molecular Biology (BI 255)  
Organic Chemistry I (CH 231)  
Humanities I  
Philosophy MOT (PL 109)  
Social Science MOT  
Physical Education (Activity)

... or ...

Genetics (BI 330)  
Organic Chemistry II (CH 232)  
Humanities II  
Catholic Theology (TH 109)  
Animal Behavior (BI 374)  
Physical Education (Activity)

**THIRD YEAR**

Anatomy & Physiology I (BI 263)  
Biochemistry (BI 435)  
General Physics I (PH 201)  
Humanities III  
Intermediate Theology (200-300)

...or...

... or ...

Anatomy & Physiology (BI 264)  
Cell Biology (BI 256)  
General Physics II (PH 202)  
Humanities IV  
Literature MOT

**FOURTH YEAR**

Developmental Biology (BI 361)  
Ecology (BI 241)  
Microbiology (BI 252)  
Free Elective  
Free Elective

...or...

Research Seminar (BI 455)  
Evolution (BI 380)  
Free Elective  
Values Seminar  
Free Elective

MOT = Modes of Thought

***NOTE: Students pursuing Secondary Education Teacher Certification should follow the STEP Biology Graduation Requirement Forms.***

A. Koefler, Director, Academic Resource Center  
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