

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

**BASED ON CREDITS**

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

131 credits and Three 1-credit PE courses

### **GENERAL EDUCATION CORE**

#### **BASIC REQUIREMENTS**

**(6 credits and three 1-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 (9 credits)**

Literature (Select one)

- EN 110, EN 112, EN 115

Mathematics (**Satisfied by Major**)

Natural Science (**Satisfied by Major**)

Philosophy

- PL 109

Social Sciences (Select one)

- CJ 109, CM 130, EC 209, EC 112,  
HCM 230, PO 103, PO 109, PS 109, or SO 109

#### **CULTURAL LITERACY (18 credits)**

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

- \_\_\_\_\_

Humanities IV: Great Works of Literature

- \_\_\_\_\_

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**

**(9 credits)**

Catholic Theology

- TH 109

Intermediate Theology (200/300 level TH)

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

Values Seminar

- \_\_\_\_\_

### **MAJOR (68 credits)**

- BI 151: Introductory Biology I
- BI 152: Introductory Biology II
- BI 221: Biostatistics
- BI 255: Molecular Biology
- BI 330: Genetics
- BI 455: Biology Capstone
- 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

#### **Required Biology Pre-Vet Track Electives**

##### **Molecular and Cell Biology:**

- BI 435: Biochemistry I

##### **Organismal Biology:**

- BI 252: Microbiology **OR** BI 352: Medical Microbiology

##### **Ecology and Evolutionary Biology:**

- BI 341: Ecology

#### **Pre-Vet Track (21 credits)**

- BI 256: Cell Biology
- BI 263: Anatomy & Physiology I **OR** BI 355 Human Structure and Function I
- BI 264: Anatomy & Physiology II **OR** BI 356 Human Structure and Function II
- BI 361: Developmental Biology
- BI 374: Animal Behavior
- BI 380: Evolution

#### **OPTIONAL MINOR**

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

*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**  
**Example Plan: BIOLOGY (Pre-Vet Track), B. S.**

To prepare students for veterinary school.

**FIRST YEAR**

**FALL SEMESTER (15 credits and 1-credit PE)**

Introductory Biology I (BI 151)  
General Chemistry I (CH 101)  
Composition and Rhetoric I (EN 103)  
Foreign Language/World Cultures I  
Lifetime Fitness and Wellness (PE 100)

**SPRING SEMESTER (15 credits and 1-credit PE)**

Introductory Biology II (BI 152)  
General Chemistry II (CH 102)  
Composition and Rhetoric II (EN 104)  
Foreign Language/World Cultures II  
Physical Education (Activity)

**SECOND YEAR**

**FALL SEMESTER (17 credits)**

Molecular Biology (BI 255)  
Organic Chemistry I (CH 231)  
Calculus I (MA 121)  
Philosophy MOT (PL 109)  
Social Science MOT

... or ...

**SPRING SEMESTER (17 credits)**

Genetics (BI 330)  
Organic Chemistry II (CH 232)  
Calculus II (MA 122)  
Catholic Theology (TH 109)  
Animal Behavior (BI 374)

**THIRD YEAR**

**FALL SEMESTER (19 credits)**

Anatomy & Physiology I (BI 263) **OR**  
    Human Structure & Function (BI 355)  
Biochemistry (BI 435)  
General Physics I (PH 201)  
Humanities I  
Intermediate Theology (200-300)

**SPRING SEMESTER (16 credits)**

Anatomy & Physiology (BI 264) **OR**  
    Human Structure & Function (BI 356)  
Cell Biology (BI 256)  
General Physics II (PH 202)  
Humanities II

**FOURTH YEAR**

**FALL SEMESTER (17 credits and 1-credit PE)**

Developmental Biology (BI 361)  
Ecology (BI 341)  
Microbiology (BI 252) **OR** Values Seminar  
Biostatistics (BI 221)  
Humanities III  
Physical Education (Activity)

...or...

**SPRING SEMESTER (15 credits)**

Biology Capstone (BI 455)  
Evolution (BI 380)  
Medical Microbiology (BI 352) **OR** Values Seminar  
Literature MOT  
Humanities IV

***NOTES:***

**Ecology (BI 341) is typically offered every other fall semester.**

**Evolution (BI 380) is typically offered every other spring semester.**

**Please adjust your third- and fourth-year scheduling accordingly.**

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

A. Koefler, Director, Academic Success Center  
Effective fall, 2022