

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

**BASED ON CREDITS**

## **BIOLOGY (Pre-PA Track), B.A.**

Minimum of 129 credits and Three 1-credit PE courses

*Students who plan to attend medical, dental, podiatric, veterinary, or graduate school should complete the B.S. degree in Biology.*

### **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 (6 credits)**

Literature (Select one)

- EN 110, EN 112, EN 115

Mathematics (**Satisfied by Major**)

Natural Science (**Satisfied by Major**)

Philosophy

- PL 109

Social Sciences (**Satisfied by Major**)

#### **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 (Minimum of 65 credits)**

- BI 151: Introductory Biology I
- BI 152: Introductory Biology II
- BI 221: Biostatistics
- BI 255: Molecular Biology
- BI 330: Genetics
- BI 252: Microbiology **OR** BI 352: Medical Microbiology
- BI 355: Human Structure and Function I
- BI 356: Human Structure and Function II
- 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 111: Probability and Statistics

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

*(at least one in Ecology and Evolutionary Biology)*

- BI Ecology and Evolutionary Biology (241, 280, 374, or 380)
- BI 256: Cell Biology
- BI 353: Immunology

#### **PRE-PA TRACK (7 Credits)**

- PS 109: Introduction to Psychology
- SX 1013: Terminology in Healthcare
- MD 306: Pharmacology and Toxicology

#### **FREE ELECTIVES (Minimum of 18 credits)**

#### **OPTIONAL MINOR**

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

**DE SALES UNIVERSITY**  
**Example Plan: BIOLOGY (Pre-PA Track), B. A.**

*Students who plan to attend medical, dental, podiatric, veterinary, or graduate school should complete the B.S. degree in Biology.*

**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 (14 credits and 1-credit PE)**

Organic Chemistry I (CH 231)  
Molecular Biology (BI 255)  
Probability and Statistics (MA 111)  
Philosophy MOT (PL 109)  
Physical Education (Activity)

... or ...

**SPRING SEMESTER (17 credits)**

Organic Chemistry II (CH 232)  
Genetics (BI 330)  
Introduction to Psychology (PS 109)  
Catholic Theology (TH 109)  
Free Elective

**THIRD YEAR**

**FALL SEMESTER (17 credits)**

Human Structure and Function I (BI 355)  
Free Elective  
Free Elective  
Humanities I  
Intermediate Theology (200-300)

**SPRING SEMESTER (17 credits)**

Human Structure and Function II (BI 356)  
Cell Biology (BI 256)  
Free Elective  
Humanities II  
Pharmacology & Toxicology (MD 306)

**FOURTH YEAR**

**FALL SEMESTER (17 credits)**

Ecology and Evolutionary Biology Elective  
Immunology (BI 353)  
Biostatistics (BI 221)  
Humanities III  
Microbiology (BI 252) **or** Free Elective  
Terminology in Healthcare (SX 1013)

...or...

...or...

**SPRING SEMESTER (18 or 19 credits) \***

Values Seminar  
Literature MOT  
Biology Capstone (BI 455)  
Humanities IV  
Medical Microbiology (BI 352) **or** Free Elective  
Free Elective

*\* The total number of semester credits will be influenced by the number of credits of the biology elective. Biology electives may have a laboratory component and therefore will be 4 credits.*

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