

Name: _____

BASED ON CREDITS

BIOLOGY (Pre-Med/Pre-Dental Track), B.S.

Minimum of 130 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 (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 67 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-Med/Pre-Dental Track Electives

Molecular and Cell Biology:

- BI 435: Biochemistry I

Organismal Biology:

- BI 355: Human Structure and Function I

Ecology and Evolutionary Biology:

- BI Elective: 241, 280, 374, 380

Pre-Med/Pre-Dental Track (18 credits)

- BI 256: Cell Biology
- BI 356: Human Structure and Function II
- BI 436: Biochemistry II
- PS 109: Introduction to Psychology
- SO109: Introduction to Sociology

FREE ELECTIVES (Minimum of 6 credits)

OPTIONAL MINOR

- _____
- _____
- _____
- _____

DE SALES UNIVERSITY
Example Plan: BIOLOGY (Pre-Med/Pre-Dental Track), B. S.

To prepare students for medical or dental 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 I
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)
Introduction to Psychology (PS 109)

...or...

SPRING SEMESTER (17 credits)

Genetics (BI 330)
Organic Chemistry II (CH 232)
Calculus II (MA 122)
Catholic Theology (TH 109)
Introduction to Sociology (SO 109)

THIRD YEAR

FALL SEMESTER (18 credits and 1-credit PE)

Biochemistry (BI 435)
General Physics I (PH 201)
Intermediate Theology (200-300)
Humanities I
Free Elective
Physical Education (Activity)

SPRING SEMESTER (16 credits)

Biochemistry II (BI 436)
General Physics II (PH 202)
Cell Biology (BI 256)
Humanities II

FOURTH YEAR

FALL SEMESTER (16 or 17 credits) *

Human Structure and Function I (BI 355)
Biology Elective (Ecology and Evolutionary Biology) ...or...
Humanities III
Biostatistics (BI 221) ...or...
Values Seminar ...or...

SPRING SEMESTER (16 credits)

Human Structure and Function II (BI 356)
Biology Capstone (BI 455)
Humanities IV
Free Elective
Literature MOT

** 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.*

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

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