

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 241: 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

- _____
- _____
- _____

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 241)
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 241) 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