

Name: _____

BASED ON CREDITS

BIOLOGY, 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 (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 (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

Three biology electives: (*two of the three electives must have a laboratory component*)

Ecology and Evolutionary Biology: 280, 341, 374, 380

- BI _____

Biology Elective: any BI or NEU course with 3 or more credits; excludes MOT/Natural Science courses, online courses, and Values Seminar courses.

- BI/NEU _____

Biology Elective: any BI or NEU course with 3 or more credits; excludes MOT/Natural Science courses, online courses, and Values Seminar courses.

- BI/NEU _____

Note: BI-461 and NEU-491 can only fulfill the biology elective once, and cannot fulfill the ecology and evolutionary biology elective

FREE ELECTIVES (Minimum of 21 credits)

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 MAJOR (B. S.)

To prepare students for medical, dental, veterinary, graduate school, or technical work in industry.

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
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
Physical Education (Activity)

SECOND YEAR

FALL SEMESTER (17 credits and 1-credit PE)

Molecular Biology (BI 255)
Organic Chemistry I (CH 231)
Calculus I (MA 121)
Philosophy MOT (PL 109)
Free Elective
Physical Education (Activity)

... or ...

SPRING SEMESTER (17 credits)

Genetics (BI 330)
Organic Chemistry II (CH 232)
Calculus II (MA 122)
Catholic Theology (TH 109)
Free Elective

THIRD YEAR

FALL SEMESTER (17 or 18 credits) *

General Physics I (PH 201)
Biology Elective
Free Elective
Intermediate Theology (200-300)
Humanities I

...or...
...or...

SPRING SEMESTER (17 or 18 credits) *

General Physics II (PH 202)
Biology Capstone (BI 455)
Biostatistics (BI 221)
Free Elective
Humanities II

FOURTH YEAR

FALL SEMESTER (15 or 16 credits) *

Biology Elective
Humanities III
Social Science MOT
Values Seminar
Free Elective

...or...

SPRING SEMESTER (15 or 16 credits) *

Biology Elective
Humanities IV
Literature MOT
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.*

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

S. Finney, Director, Academic Success Center

Effective fall, 2023