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 (<u>Satisfied by Major</u>) Natural Science (<u>Satisfied by Major</u>) 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 II
CH 232: Organic Chemistry II
MA 121: Calculus I
MA 122: Calculus II
PH 201: Gen. Phys. I: Mechanics and Heat Electromagnetism

<u>Three biology electives</u>; (two of the three electives must have a laboratory component)

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

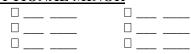
Biology Elective: any BI or NEU course with 3 or more credits; excludes MOT/Natural Science courses, online courses, and Values Seminar courses. □ BI/NEU _____

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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) ... or ... Free Elective Physical Education (Activity)

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

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...

...or...

....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