

Name: _____

BASED ON CREDITS

BIOLOGY, B.S.

4 + 1 Teacher Certification M.Ed. PROGRAM

Minimum of 131 credits and Three 1-credit PE courses for B.S. in Biology (Teacher Certification Track)
22 Credits for M.Ed. beyond Biology B.S. Teacher Certification Track

GENERAL EDUCATION CORE REQUIREMENTS

(6 credits and three 1-one-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 STEP Requirements**)

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. **HI 201 + 202 recommended.**

- Hum. I: HI 201, PO 201, HI 213

- Hum. II: HI 202, PO 202, HI 214

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

- BI 475 _____ (STEP required)

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

STEP Requirements:

- BI 241: Ecology
- BI 355 (Human Structure and Function I **OR** BI 263 Anatomy and Physiology I)
- BI 356 (Human Structure and Function II **OR** BI 264 Anatomy and Physiology II)

REQUIRED EDUCATION COURSES (15 credits)

- ED 109: The Educative Process
- ED 209: Cognition and learning
- ED 218: Introduction to Exceptionality
- ED 366: Literacy Interventions 4-12
- ED 373: Teaching English Learners

FREE ELECTIVES (Minimum of 9 credits)

Admission Requirements into Graduate M.ED. Phase:

- Satisfactory completion of ED 109, ED 209, ED 218, ED 366, and ED 373
- Cumulative GPA of 3.0
- Passing score on PRAXIS Biology test

DE SALES UNIVERSITY
Example Plan: BIOLOGY (Teacher Certification), B.S.

FIRST YEAR

FALL SEMESTER (18 credits)

Introductory Biology I (BI 151)
General Chemistry I (CH 101)
Composition & Rhetoric I (EN 103)
Foreign Language/World Cultures
The Educative Process (ED 109)

SPRING SEMESTER (15 credits and 1-credit PE)

Introductory Biology II (BI 152)
General Chemistry II (CH 102)
Composition & Rhetoric II (EN 104)
Foreign Language/World Cultures
Lifetime Fitness and Wellness (PE 100)

SECOND YEAR

FALL SEMESTER (14 credits and 1-credit PE)

Molecular Biology (BI 255)
Organic Chemistry I (CH 231)
Philosophical Thinking (PL 109)
Cognition and Learning (ED 209)
Physical Education Activity

SPRING SEMESTER (17 credits and 1-credit PE)

Genetics (BI 330)
Organic Chemistry II (CH 232)
Catholic Theology (TH 109)
Introduction to Exceptionality (ED 218)
Free Elective
Physical Education (Activity)

THIRD YEAR

FALL SEMESTER (17 credits)

Ecology (BI 241)
Human Structure and Function I (BI 355)
OR Anatomy & Physiology I (BI 263)
Calculus I (MA 121)
Humanities 1 - ***HI 201 recommended***
Literacy Interventions, Grades 4-12 (ED 366)

SPRING SEMESTER (16 credits)

Biostatistics (BI 221)
Human Structure and Function II (BI 356)
OR Anatomy & Physiology II (BI 264)
Calculus II (MA 122)
Humanities 2 - ***HI 202 recommended***
Intermediate Theology (TH 200 or 300 Level)

FOURTH YEAR*

FALL SEMESTER (17 credits)

General Physics I (PH 201)
Humanities III
Values Seminar (BI 475)
Teaching English Learners (ED 373)
Free Elective

SPRING SEMESTER (17 credits)

General Physics II (PH 202)
Biology Capstone (BI 455)
Humanities IV
Literature MOT
Free Elective

*** Apply to the Graduate Phase of M.Ed. program**

Admission Requirements into Graduate Phase:

- Satisfactory completion of ED 109, ED 209, ED 218, ED 366, and ED 373
- Cumulative GPA of 3.0
- Passing score on PRAXIS Biology test

Dr. Katrin Blamey, Chair of Education
A. Koefer, Director of Academic Success Center
Effective Fall, 2022

DSU UNIVERSITY
BIOLOGY (Teacher Certification), GRADUATE M.Ed. PHASE **

FIFTH YEAR

Summer Semester

- SC518 Middle and Secondary Learner and Curriculum (3 credits)
- SC519 Secondary Education Principles and Pedagogy (3 credits)
- SC524 Secondary Education in Subject Area (3 credits)
- SC522 Secondary Education Clinical Field Experience 1 (1 credit)

* Intern Teaching Certificate issued and students apply for Full-Time Teaching Position

Fall Semester

- SC525 Secondary Education Clinical Field 2 (while employed) (3 credits)
- SE522 Remedial Techniques in Reading and Writing (3 credits)

Spring Semester

- EE551 Student Teaching (while employed) (3 credits)

* Instructional I certification issued

Summer Semester

- ED600 Research Capstone (3 credits)

**** Additional Tuition Based on Current M.ED. Rates**

M.ED. Awarded after Successful Completion of Graduate Phase of Program