



**BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE**  
**(Teacher Licensure, Grades 7-12)**  
 (136 – 145 credit hours required)

**NAME** \_\_\_\_\_

**DATE** \_\_\_\_/\_\_\_\_/\_\_\_\_

**RELIGION CORE**

**DEVELOPING BIBLICAL FAITH/LIFESTYLE**

- BIBL-110 Message of the New Testament (3) ..... ( )
- BIBL-111 Message of the Old Testament (3) ..... ( )
- THEO-230 Intro. to Theology (3) ..... ( )
- THEO-231 Intro. to Christian Ethics (3) ..... ( )
- RELG- 200 Bibl/Theo Foundations for Benevolence (1)( )
- Christian Service (2)\* ..... ( )
- SUBTOTAL (15 hours) ..... \_\_\_\_\_

\*Christian Service is not a course; the credit hours are earned by a combination of class, group, and individual service learning experiences.

**GENERAL EDUCATION CORE**

**ACQUIRING FUNDAMENTAL ACADEMIC SKILLS**

- ENGL-105 (4) and ENGL-110 (3) ..... ( ) ( )
- OR ENGL-106 (3) and ENGL-110 (3)
- OR ENGL-110 (3) [Depends on placement]

- CISS-100 Computer Literacy (2) ..... ( )
- GNST-101 Freshman Seminar: Gateway (2) ..... ( )

**EXPLORING THE HUMANITIES**

- HUMN-201 Foundations of Western Culture (3) ..... ( )

**Two of the following (6)**

- HUMN-202 Rise of Europe (3) ..... ( ) ( )
- HUMN-301 Foundations of Modern World (3)
- HUMN-302 Modern Western Culture (3)
- HIST-221 / 222 Western Civilization I, II (3) (3)
- ENGL-221 Western Lit: Ancient to Renaissance (3)
- ENGL-222 Western Lit: Enlightenment to Postmodern (3)

**One of the following (3)**

- ARTS-244 / 245 Art History I, II (3) (3) ..... ( )
- THEA-331 / 332 Survey of Drama Literature I, II (3) (3)
- MUHL-211 Music in Culture (3)
- PHIL-241 Introduction to Philosophy (3)

**UNDERSTANDING CONTEMPORARY SOCIETY**

- HIST-212 Recent American History & Government (3)
- OR
- POLS-200 Understanding Contemporary Politics (3)... ( )

**Two of the following (6)**

- PSYC-200 Understanding Human Behavior (3) ..... ( ) ( )
- SOCI-200 Understanding Contemporary Society (3)
- ECON-200 Understanding Economic Issues (3)

**SEEKING A GLOBAL PERSPECTIVE**

- ANTH-200 Global Perspectives Seminar (1)..... ( )
- GNST-250-253 Cross Cultural Experience (1-3)..... ( )
- LING-201 Intro Language and Culture (3)..... ( )
- SUBTOTAL (33/39 hours) ..... \_\_\_\_\_

**ACADEMIC ASSESSMENT**

- FMPT-BIO Freshman Major Field Test: Biology (0) ..... ( )
- GNST- 400 Academic Assessment (0) ..... ( )
- SMFT-BIO Major Field Test: Biology (0) ..... ( )

**SPECIALTY AREA\***

- BIOL-109 Principles of Biology I (4) ..... ( )
- BIOL-110 Principles of Biology II (4) ..... ( )
- BIOL-242 Genetics (4) ..... ( )
- BIOL-303 Cell Biology (3) ..... ( )
- BIOL-394 Ecology (3) ..... ( )
- BIOL-403 Molecular Biology (4) ..... ( )
- BIOL-451 Evolutionary Biology (4) ..... ( )
- BIOL-490 Senior Seminar (1) ..... ( )

Biology Electives: (4 hours)

Select course offerings in Biology at the 300 level or above

\_\_\_\_\_ ( )  
 \_\_\_\_\_ ( )

SUBTOTAL (31 hours) ..... \_\_\_\_\_

**COLLATERAL REQUIREMENTS\***

- BIOL-495 Science and Scripture (3) ..... ( )
- MATH-144 Pre-calculus (4)\*\* ..... ( )
- MATH-271 Calculus I (4)..... ( )
- PHSC-112 Earth & Space Science (4)..... ( )
- PHYS-281 Physics I (4) ..... ( )
- CHEM-111 General Chemistry I (4) ..... ( )
- CHEM-113 Intro to Organic & Biochemistry (3) ..... ( )
- CHEM-119 Intro to Organic & Biochemistry Lab (1) ..... ( )
- HSCI-360 Personal & Community Health (4)..... ( )

OR

- HSCI-291 Principles of Nutrition (3) ..... ( )

SUBTOTAL (30/33 hours) ..... \_\_\_\_\_

\*\* MATH-111 and 112 may substitute for MATH-144

**PROFESSIONAL**

- EDUC-199 Intro To The Teaching Profession (1) ..... ( )
- EDUC-299 Teaching Diverse Learners (1) ..... ( )
- EDUC-315 Foundations of Education (3) ..... ( )
- PSYC-312 Educational Psychology (3)..... ( )
- SPED-316 Exceptional Child (3) ..... ( )
- SCED-415 Teaching Science, Gr. 7-12 (2)..... ( )
- SCED-419 General Secondary Methods (2)..... ( )

SUBTOTAL (15 hours) ..... \_\_\_\_\_

**PROFESSIONAL SEMESTER**

- EDUC-496 Student Teaching I (5) ..... ( )
- EDUC-497 Student Teaching II (5) ..... ( )
- EDUC-498 Student Teaching Seminar (2)..... ( )

SUBTOTAL (12 hours) ..... \_\_\_\_\_

**\* A grade of C- or above is required to fulfill the Specialty Area and Collateral Requirements in this major.**

**SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR  
BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE  
(Teacher Licensure in Grades 7-12)**

(The two-hour Christian Service requirement is not listed, but is spread throughout the four years.)

**FRESHMAN**

<u>Course</u>	<u>Hours</u>
College Writing/Workshop .....	3/4
Rhetoric and Research .....	3
Message of New & Old Testament .....	6
Intro to Teaching Profession .....	1
Principles of Biology I.....	4
Principles of Biology II.....	4
Freshman Seminar: Gateway .....	2
U S History/Politics .....	3
Contemporary Society Option 1 & 2 .....	6
Computer Literacy.....	2
Total	34/35

**SOPHOMORE**

<u>Course</u>	<u>Hours</u>
Bib/Theo Foundations of Benevolence .....	1
Intro. to Theology .....	3
Intro. to Christian Ethics.....	3
General Chemistry .....	4
Intro to Organic & Biochemistry/Lab .....	4
Precalculus * .....	4
Calculus .....	4
Global Perspectives Seminar.....	1
Cross-Cultural Experience .....	1/3
Earth & Space Science .....	4
Humanities Option .....	3
Teaching Diverse Learners.....	1
Total	33/35

\*If MATH-111/112 are substituted for MAT144, they must be taken in the freshman year.

**JUNIOR**

<u>Course</u>	<u>Hours</u>
Educational Psychology.....	3
Genetics.....	4
Cell Biology .....	3
Exceptional Child .....	3
Personal & Community Health <b>OR</b> Nutrition .....	3/4
Foundations of Western Culture .....	3
Humanities Options.....	6
Physics.....	4
Foundations of Education .....	3
Total	32/33

**SENIOR**

<u>Course</u>	<u>Hours</u>
Molecular Biology.....	4
Ecology .....	3
Science and Scripture (Capstone) .....	3
Evolutionary Biology .....	4
Senior Seminar .....	1
Teaching Science, Grades 7 – 12.....	2
Gen. Secondary Methods .....	2
Language and Culture .....	3
Biology Electives (300 level or above) .....	4
Total	26

**PROFESSIONAL SEMESTER**

<u>Course</u>	<u>Hours</u>
Student Teaching Seminar .....	2
Student Teaching I.....	5
Student Teaching II.....	5
Total	12