



# BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE, 6 – 12 LICENSURE

(Minimum 128 credit hours required)

**This program requires a minimum 2.75 GPA overall, in English Composition, in the Specialty Area Requirements, and in the Professional Education / Professional Semester Requirements, as well as a grade of C or above in all Professional Education courses.**

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)..... ( )
- Christian Service (80 clock hours)\* ..... ( )

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

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

**LEE UNIVERSITY FRESHMAN EXPERIENCE**

- LEEU-101 Freshman Seminar: Gateway (1) (Fall)..... ( )
- LEEU-102A Global Perspectives Seminar (1) (Spring) ... ( )
- LEEU-102B Foundations of Benevolence (1) (Spring) .... ( )

SUBTOTAL (3 hours) ..... \_\_\_\_\_

**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]

**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-201 Art in Culture (3) ..... ( )
- MUHL-211 Music in Culture (3)
- PHIL-241 Introduction to Philosophy (3)
- THEA-201 Theatre in Culture (3)

**UNDERSTANDING CONTEMPORARY SOCIETY**

- HIST-212 Recent American History (3)
- OR**
- PLSC-250 American Government (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**

- GNST-250-253 Cross Cultural Experience (1-3)..... ( )
- LING-201 Intro Language and Culture (3)..... ( )

SUBTOTAL (28/34 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\***

- BIOS-161 Principles of Biology I (4) ..... ( )
- BIOS-162 Principles of Biology II (4) ..... ( )
- BIOS-261 Genetics (4)..... ( )
- BIOS-361 Cell Biology (3)..... ( )
- BIOS-362 Ecology (3)..... ( )
- BIOS-461 Molecular Biology (3)..... ( )
- BIOS-462 Evolutionary Biology (4) ..... ( )
- BIOS-490 Senior Seminar (1)..... ( )

Biology Electives: (4 hours)

Select course offerings in Biology at the 300 level or above [BIOS-495 does not count]

..... ( )  
 ..... ( )

Elective courses may be taken through the Au Sable Institute of Environmental Studies, and a current list of Au Sable courses is available at [www.ausable.org](http://www.ausable.org)

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

**COLLATERAL REQUIREMENTS\***

- BIOS-495 Science and Scripture (3)..... ( )
- CHYS-132 Principles Organic & Biochemistry (3) ..... ( )
- CHYS-132L Principles Organic & Biochem Lab (1)..... ( )
- CHYS-161 General Chemistry I (4)..... ( )
- GSCI-122 Earth & Space Science (4)..... ( )
- MTHS-261 Calculus I (4)..... ( )
- PHYS-261 Physics I (4) ..... ( )

HLTH-360 Personal & Community Health (3)

**OR**

- BIOS-231 Principles of Nutrition (3) ..... ( )

SUBTOTAL (26 hours) ..... \_\_\_\_\_

**PROFESSIONAL**

- EDUC-199 Intro To The Teaching Profession (1) ..... ( )
- EDUC-299 Teaching Diverse Learners (2) ..... ( )
- EDUC-315 Foundations of Education (3) **OR**
- EDMG-315 Found. Middle Grades Educ (3) ..... ( )
- PSYC-312 Educational Psychology (3)..... ( )
- SPED-316 Exceptional Child (3) ..... ( )
- SCED-340 Prin.Classroom Instr./Secondary (2)..... ( )
- SCED-416 Teaching Science, Grades 6 -12 (2) ..... ( )
- SCED-416L Methods Lab (1)..... ( )

SUBTOTAL (17 hours) ..... \_\_\_\_\_

**PROFESSIONAL SEMESTER**

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

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

**\* Departmental policy requires a grade of C or above in all Specialty Area and Collateral Requirements.**

## SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE, 6 – 12 LICENSURE

(The 80-clock-hour Christian Service requirement is not listed, but is spread throughout the four years.)

### FRESHMAN

<u>Course</u>	<u>Hours</u>
LEEU-101, 102A, 102B.....	3
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
U S History/Government Option.....	3
Contemporary Society Option 1 & 2 .....	6
Total	33/34

### SOPHOMORE

<u>Course</u>	<u>Hours</u>
Intro. to Theology .....	3
Intro. to Christian Ethics .....	3
Principles of General Chemistry .....	4
Principles of Organic & Biochemistry/Lab .....	4
Language and Culture .....	3
Calculus .....	4
Cross-Cultural Experience .....	1/3
Earth & Space Science .....	4
Humanities Option .....	3
Teaching Diverse Learners .....	2
Foundations of Western Culture .....	3
Total	34

### 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
Humanities Options.....	6
Physics.....	4
Ecology .....	3
Foundations of Education (or MG Foundations) .....	3
Total	32

### SENIOR

<u>Course</u>	<u>Hours</u>
Molecular Biology.....	3
Science and Scripture (Capstone) .....	3
Evolutionary Biology .....	4
Senior Seminar .....	1
Principles Classroom Instruction/Secondary .....	2
Teaching Science, Grades 6 – 12 and Lab.....	3
Biology Electives (300 level or above) .....	4
Total	20

### PROFESSIONAL SEMESTER

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