



## BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE

(Minimum 120 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)..... ( )
- Christian Service (80 clock hours)\*..... ( )

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

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

### FRESHMAN / SOPHOMORE EXPERIENCE

- LEEU-101 Freshman Seminar: Gateway (1) (1<sup>st</sup> Fall)..... ( )
- LEEU-102 Global Perspectives Seminar (1) (1<sup>st</sup> Spring)..... ( )
- LEEU-202 Foundations of Benevolence (1) (2<sup>nd</sup> Fall)..... ( )

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

### GENERAL EDUCATION CORE

#### **ACQUIRING FUNDAMENTAL ACADEMIC SKILLS**

- 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 (28/33 hours)..... \_\_\_\_\_

### SPECIALTY AREA I (100 – 200 level courses)\*

- BIOS-161 Principles of Biology I (4)..... ( )
- BIOS-162 Principles of Biology II (4)..... ( )
- BIOS-261 Genetics (4)..... ( )
- CHYS-161 General Chemistry I (4)..... ( )
- CHYS-162 General Chemistry II (4)..... ( )
- CHYS-261 Organic Chemistry I (3)..... ( )
- MTHS-135 Intro to Statistics (3) **OR**
- MTHS-261 Calculus I (4)..... ( )

SUBTOTAL (26/27 hours)..... \_\_\_\_\_

### SPECIALTY AREA II (300 – 400 level courses)\*

A minimum of 12 credit hrs of Specialty Area II courses must be taken at Lee University.

- BIOS-361 Cell Biology (3)..... ( )
- BIOS-362 Ecology (4)..... ( )
- BIOS-461 Molecular Biology (3)..... ( )
- BIOS-460L Cell and Molecular Biology Lab (2)..... ( )
- BIOS-462 Evolutionary Biology (4)..... ( )
- BIOS-490 Senior Seminar (1)..... ( )
- BIOS-495 Science and Scripture (3)..... ( )

#### Biology Electives (12)

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)

- CHYS-362 Biochemistry II (3)..... ( )

SUBTOTAL (35 hours)..... \_\_\_\_\_

### GENERAL ELECTIVES

PHYS-261-262, CHYS-262, and CHYS-262L are strongly recommended for students interested in graduate studies.

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

SUBTOTAL (9/17 hours)..... \_\_\_\_\_

### ACADEMIC ASSESSMENT

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

**\* A grade of C- or higher is required to fulfill the Specialty Area I and II requirements in this major.**

## SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE

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

### FRESHMAN YEAR

Course	Hours
LEEU-101, 102.....	2
College Writing.....	3
Rhetoric and Research .....	3
General Chemistry I and II .....	8
Principles of Biology I and II.....	8
Message of New and Old Testament.....	6
Total	30

### SOPHOMORE YEAR

Course	Hours
LEEU-202 Benevolence.....	1
Intro. to Theology .....	3
Intro. to Christian Ethics .....	3
Genetics .....	4
Intro to Statistics OR Calculus.....	3/4
Foundations of Western Culture.....	3
Humanities Option.....	3
Language and Culture.....	3
US History/Government Option.....	3
Organic Chemistry I .....	3
Total	29/30

### JUNIOR YEAR

Course	Hours
Cell Biology .....	3
Biology Electives .....	9
Molecular Biology.....	3
Cell and Molecular Biology Lab.....	2
Humanities Options.....	6
Cross-Cultural Experience .....	1/3
Ecology .....	4
Biochemistry II.....	3
Total	31/33

### SENIOR YEAR

Course	Hours
Senior Seminar .....	1
Science and Scripture (Capstone) .....	3
Evolutionary Biology.....	4
Contemporary Society Options 1 & 2 .....	6
Biology Electives .....	3
General Electives .....	13/14
Total	30/31