



BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE, PRE-PROFESSIONAL EMPHASIS

(Minimum 121 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 hours 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) (1st Fall) ()
- LEEU-102 Global Perspectives Seminar (1) (1st Spring) ... ()
- LEEU-202 Foundations of Benevolence (1) (2nd 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)..... ()
- PSYC-200 Understanding Human Behavior (3) ()
- SOCI-200 Understanding Contemporary Society (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)*

- HSCS-161 Introduction to Health Care (1)..... ()
- BIOS-161 Principles of Biology I (4)..... ()
- BIOS-162 Principles of Biology II (4)..... ()
- BIOS-171 Scientific Writing (1)..... ()
- BIOS-232 Pre-Professional Seminar (1) ()
- BIOS-261 Genetics (4)..... ()
- CHYS-161 General Chemistry I (4)..... ()
- CHYS-162 General Chemistry II (4)..... ()
- CHYS-261 Organic Chemistry I (3)..... ()
- CHYS-262 Organic Chemistry II (3)..... ()
- CHYS-262L Organic Chemistry Lab I and II (2) ()
- MTHS-135 Intro to Statistics (3)..... ()
- MTHS-261 Calculus I (4)..... ()
- PHYS-261 General Physics I (4)..... ()
- PHYS-262 General Physics II (4)..... ()

SUBTOTAL (46 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 (3) ()
- BIOS-460L Cell and Molecular Biology Lab (2)..... ()
- BIOS-461 Molecular Biology (3)..... ()
- BIOS-462 Evolutionary Biology (4)..... ()
- BIOS-490 Senior Seminar (1) ()

Biology Electives (8)

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

- _____..... ()
- _____..... ()
- _____..... ()
- _____..... ()

- CHYS-362 Biochemistry II (3) ()
- HSCS-495 Bioethics: Faith and Practice (3) ()
- PSYC-330 Social Psychology (3) **OR**
- PSYC-341 Learning & Cognition (3)..... ()

SUBTOTAL (33 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 B- or above 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, PRE-PROFESSIONAL EMPHASIS

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

FRESHMAN YEAR

<u>Course</u>	<u>Hours</u>
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
Calculus I	4
 Total	 34

SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
LEEU-202 Benevolence.....	1
Intro. to Health Care.....	1
Intro. to Theology	3
Intro. to Christian Ethics	3
Organic Chemistry	8
Genetics.....	4
Cell Biology	3
Pre-professional Seminar.....	1
Scientific Writing.....	1
Understanding Human Behavior	3
Intro to Statistics.....	3
 Total	 31

JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Biochemistry II.....	3
Molecular Biology.....	3
Cell and Molecular Lab	2
General Physics.....	8
Understanding Contemporary Society	3
Foundations of Western Culture.....	3
Art/Music/Philosophy Option	3
Social Psych OR Learning & Cognition.....	3
Cross-Cultural Experience	1/3
 Total	 29/31

SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Senior Seminar	1
Biology Electives.....	8
U S History/Government Option.....	3
Faith and Practice (Capstone).....	3
Evolutionary Biology.....	4
Humanities Options.....	6
Language and Culture.....	3
Ecology	3
 Total	 31