

BACHELOR OF SCIENCE IN BIOCHEMISTRY,  
PRE-PROFESSIONAL EMPHASIS

(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 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) (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)..... ( )
- 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)\***

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

SUBTOTAL (41 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.

- CHYS-361 Biochemistry I (3)..... ( )
- CHYS-362 Biochemistry II (3)..... ( )
- CHYS-362L Biochemistry Lab (3)..... ( )
- CHYS-461 Biochem. Synthesis/Molecular Bio. (3).... ( )
- CHYS-371 Quantitative Analysis (4) OR
- CHYS-372 Instr. Analysis: SPEC. I.D. (4)..... ( )
- CHYS-491 Research Design (1)..... ( )
- CHYS-492 Physical Chemistry Research (2)..... ( )
- CHYS-471 Survey of Physical Chemistry (3)..... ( )
- HSCS-495 Faith and Practice (3)..... ( )
- PSYC-330 Social Psychology (3) OR
- PSYC-341 Learning & Cognition (3)..... ( )

Biology Elective (3)

Select a course in Biology at the 300-level or above (BIOS-361, 461, and 495 do not count)

..... ( )

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

**GENERAL ELECTIVES**

..... ( )

..... ( )

SUBTOTAL (0/5 hours)..... \_\_\_\_\_

**ACADEMIC ASSESSMENT**

- GNST-400 Academic Assessment (0)..... ( )
- SMFT-CHY Major Field Test: Chemistry (0)..... ( )

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

## SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN BIOCHEMISTRY, 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
Message of New and Old Testament.....	6
Calculus I .....	4
Principles of Biology I.....	4
 Total	 30

### JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Biochemistry II.....	3
Biochem. Synthesis & Molecular Biology.....	3
Biochemistry Lab.....	3
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	 30/32

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
LEEU-202 Benevolence.....	1
Intro. to Theology .....	3
Intro. to Christian Ethics .....	3
Organic Chemistry .....	8
Genetics .....	4
Biochemistry I.....	3
Pre-Professional Seminar .....	1
Scientific Writing.....	1
Understanding Human Behavior .....	3
Intro to Statistics.....	3
 Total	 30

### SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Survey of Physical Chemistry.....	3
Research Design.....	1
Physical Chemistry Research .....	2
Faith and Practice (Capstone).....	3
Biology Electives .....	3
Humanities Options.....	6
General Electives .....	4
US History / Government Option.....	3
Language and Culture.....	3
Quantitative Analysis OR Spectr. I.D. ....	4
 Total	 32