

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) ..... \_\_\_\_\_

**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-244 / 245 Art History I, II (3) (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 (28/34 hours) ..... \_\_\_\_\_

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

- CHEM-111 General Chemistry I (4) ..... ( )
- CHEM-112 General Chemistry II (4) ..... ( )
- CHEM-281 Organic Chemistry I (3) ..... ( )
- CHEM-282 Organic Chemistry II (3) ..... ( )
- CHEM-289 Organic Chemistry Lab (3) ..... ( )
- BIOL-109 Principles of Biology I (4) ..... ( )
- BIOL-242 Genetics (4) ..... ( )
- HSCI-285 Pre-professional Seminar (2) ..... ( )
- MATH-161 Intro to Statistics (3) ..... ( )
- MATH-271 Calculus I (4) ..... ( )
- PHYS-281 General Physics I (4) ..... ( )
- PHYS-282 General Physics II (4) ..... ( )

SUBTOTAL (42 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.

- CHEM-321 Biochemistry I (3) ..... ( )
- CHEM-322 Biochemistry II (3) ..... ( )
- CHEM-323 Biochem.Synthesis/Molecular Bio. (3) ..... ( )
- CHEM-329 Biochemistry Lab (3) ..... ( )
- CHEM-351 Quantitative Analysis (4) OR
- CHEM-352 Instr. Analysis:Spectr. I.D. (4) ..... ( )
- CHEM-438 Research Design (1) ..... ( )
- CHEM-439 Physical Chemistry Research (2) ..... ( )
- CHEM-441 Survey of Physical Chemistry (3) ..... ( )
- HSCI-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 (BIOL-303, 403, and 495 do not count)

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

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

**GENERAL ELECTIVES**

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

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

SUBTOTAL (0/4 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, 102A, 102B.....	3
College Writing/Workshop .....	3/4
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	<u>31/32</u>

### 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	<u>30/32</u>

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Intro. to Theology .....	3
Intro. to Christian Ethics.....	3
Organic Chemistry .....	9
Genetics.....	4
Biochemistry I .....	3
Pre-Professional Seminar .....	2
Understanding Human Behavior.....	3
Intro to Statistics .....	3
Total	<u>31</u>

### 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.....	3
US History / Government Option.....	3
Language and Culture .....	3
Quantitative Analysis OR Spectr. I.D. ....	4
Total	<u>31</u>