

**BACHELOR OF SCIENCE IN BIOCHEMISTRY**

(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) ..... ( )

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

**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) ..... ( )  
 MATH-161 Intro to Statistics (3)..... ( )  
 MATH-271 Calculus I (4)..... ( )  
 PHYS-281 General Physics I (4)..... ( )  
 PHYS-282 General Physics II (4)..... ( )

SUBTOTAL (40 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 Biol. (3).... ( )  
 CHEM-329 Biochemistry Lab (3)..... ( )  
 CHEM-351 Quantitative Analysis (4) OR  
 CHEM-352 Instr. Analysis:Spectr. I.D. (4)..... ( )  
 CHEM-421 Inorganic Chemistry (3) ..... ( )  
 CHEM-438 Research Design (1)..... ( )  
 CHEM-439 Physical Chemistry Research (2) ..... ( )  
 CHEM-441 Survey of Physical Chemistry (3) ..... ( )  
 CHEM-442 Physical Chemistry (3)..... ( )  
 BIOL-495 Science and Scripture (3) ..... ( )

**Biology Elective (3)**

Select a course in Biology at the 300-level or above (BIOL-303, 403, and 495 do not count)

..... ( )

SUBTOTAL (34 hours) ..... \_\_\_\_\_

**GENERAL ELECTIVES**

..... ( )

SUBTOTAL (0/3 hours) ..... \_\_\_\_\_

**ACADEMIC ASSESSMENT**

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

**\* A grade of C- 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 BIOCHEMISTRY

(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 .....	8
Message of New and Old Testament.....	6
Calculus I .....	4
Intro to Statistics .....	3
 Total	 <u>30/31</u>

### JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Quantitative Analysis OR Spec. ID .....	4
Survey of Physical Chemistry .....	3
Cross-Cultural Experience .....	1/3
Biochemistry II .....	3
Biochemical Synthesis/Molecular Biol .....	3
Biochemistry Lab .....	3
Biology Electives.....	3
General Physics I and II.....	8
Inorganic Chemistry .....	3
 Total	 <u>31/33</u>

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Intro. to Theology .....	3
Intro. to Christian Ethics.....	3
Organic Chemistry .....	9
Contemporary Society Option 1 .....	3
US History / Government Option.....	3
Principles of Biology I.....	4
Genetics.....	4
Biochemistry I .....	3
 Total	 <u>32</u>

### SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Foundations of Western Culture .....	3
Humanities Options.....	9
Physical Chemistry .....	3
Research Design .....	1
Physical Chemistry Research .....	2
Science and Scripture (Capstone) .....	3
Contemporary Society Option 2.....	3
Language and Culture .....	3
 Total	 <u>27</u>