

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-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 (28/34 hours) _____

SPECIALTY AREA I (100 – 200 level courses)*

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) ()
 BIOS-161 Principles of Biology (4) ()
 BIOS-232 Pre-Professional Seminar (2) ()
 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 (1/5 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, 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	8
Genetics.....	4
Biochemistry I	3
Pre-Professional Seminar	2
Understanding Human Behavior.....	3
Intro to Statistics	3
General electives	2
Total	<u>32</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>