

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-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) ()
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)*

- 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 I (4)..... ()
 BIOS-261 Genetics (4)..... ()
 MTHS-135 Intro to Statistics (3)..... ()
 MTHS-261 Calculus I (4)..... ()
 PHYS-261 General Physics I (4)..... ()
 PHYS-262 General Physics II (4)..... ()

SUBTOTAL (39 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-371 Quantitative Analysis (4) **OR**
 CHYS-372 Instr. Analysis:Spec. I.D. (4)..... ()
 CHYS-461 Biochem. Synthesis/Molecular Biol. (3)..... ()
 CHYS-465 Inorganic Chemistry (3)..... ()
 CHYS-471 Survey of Physical Chemistry (3) ()
 CHYS-472 Physical Chemistry (3) ()
 CHYS-491 Research Design (1) ()
 CHYS-492 Physical Chemistry Research (2)..... ()
 BIOS-495 Science and Scripture (3)..... ()

Biology Elective (3)

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

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SUBTOTAL (34 hours) _____

GENERAL ELECTIVES

..... ()

SUBTOTAL (0/4 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
Principles of Biology I.....	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	8
Contemporary Society Option 1	3
US History / Government Option.....	3
Intro to Statistics	4
Genetics.....	4
Biochemistry I	3
 Total	 <u>31</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
General Electives.....	3
 Total	 <u>30</u>