

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)

FRESHMAN / SOPHOMORE EXPERIENCE

LEEU-101 Freshman Seminar: Gateway (1) (1st Fall) ()
 LEEU-102 Global Perspectives Seminar (1) (1st Spring)..... ()
 LEEU-202 Foundations of Benevolence (1) (2nd 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)..... ()

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 (28/33 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, 102.....	2
College Writing	3
Rhetoric and Research	3
General Chemistry	8
Message of New and Old Testament.....	6
Calculus I	4
Principles of Biology	4
 Total	 30

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>
LEEU-202 Benevolence.....	1
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>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
General Electives	3
 Total	 <u>30</u>