

# LEE UNIVERSITY

## BACHELOR OF SCIENCE IN CHEMISTRY

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

**ACADEMIC ASSESSMENT**

GNST-400 Academic Assessment (0) ..... ( )

SMFT-CHY Major Field Test – Chemistry (0)..... ( )

**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) ..... ( )  
 MATH-161 Intro to Statistics (3) ..... ( )  
 MATH-271 Calculus I (4)..... ( )  
 MATH-272 Calculus II (4)..... ( )  
 PHYS-281 General Physics I (4) ..... ( )  
 PHYS-282 General Physics II (4)..... ( )

SUBTOTAL (36 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-351 Quantitative Analysis (4)..... ( )  
 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)..... ( )

Chemistry Electives (4 hours)

Choose from chemistry courses at the 300 level or above:

..... ( )  
 .....

BIOL-495 Science and Scripture (3) ..... ( )

SUBTOTAL (27 hours) ..... \_\_\_\_\_

**GENERAL ELECTIVES or MINOR**

..... ( )  
 ..... ( )  
 ..... ( )  
 .....

SUBTOTAL (8/14 hours) ..... \_\_\_\_\_

\* A grade of C- or higher 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 CHEMISTRY

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

### JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Quantitative Analysis I.....	4
Spect. I.D.....	4
Inorganic Chemistry.....	3
Language and Culture.....	3
Cross-Cultural Experience.....	1/3
Contemporary Society Option 1.....	3
Chemistry Elective.....	4
Electives.....	5
Humanities Option.....	3
Total	30/32

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Intro. to Theology.....	3
Intro. to Christian Ethics.....	3
General Physics.....	8
Calculus II.....	4
Foundations of Western Culture.....	3
Organic Chemistry.....	9
Total	30

### SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Survey of Physical Chemistry.....	3
Physical Chemistry.....	3
Research Design.....	1
Physical Chemistry Research.....	2
Electives.....	6
Science and Scripture (Capstone).....	3
U S History/Government Option.....	3
Humanities Options.....	6
Contemporary Society Option 2.....	3
Total	30