



## 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) ..... \_\_\_\_\_

### FRESHMAN / SOPHOMORE EXPERIENCE

LEEU-101 Freshman Seminar: Gateway (1) (1<sup>st</sup> Fall) ..... ( )  
 LEEU-102 Global Perspectives Seminar (1) (1<sup>st</sup> Spring)..... ( )  
 LEEU-202 Foundations of Benevolence (1) (2<sup>nd</sup> 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) ..... \_\_\_\_\_

### ACADEMIC ASSESSMENT

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

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

SUBTOTAL (35 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-371 Quantitative Analysis (4) ..... ( )  
 CHYS-372 Instr. Analysis: Spec. I.D.(4)..... ( )  
 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)..... ( )

Chemistry Electives (4 hours)

Choose from chemistry courses at the 300 level or above:

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

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

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

### GENERAL ELECTIVES or MINOR

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

SUBTOTAL (8/15 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, 102.....	2
College Writing.....	3
Rhetoric and Research .....	3
General Chemistry .....	8
Calculus I and II .....	8
Message of New and Old Testament.....	6
Total	30

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
LEEU-202 Benevolence.....	1
Intro. to Theology .....	3
Intro. to Christian Ethics .....	3
General Physics .....	8
Intro to Statistics.....	3
Foundations of Western Culture.....	3
Organic Chemistry .....	8
Elective .....	1
Total	30

### JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Quantitative Analysis I.....	4
Spec. 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

### 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