

# LEE UNIVERSITY

## BACHELOR OF SCIENCE IN CHEMISTRY, 6 – 12 LICENSURE

(Minimum 123 credit hours required)

**This program requires a minimum 2.75 GPA overall, in English Composition and Mathematics, in the Specialty Area Requirements, and in the Professional Education / Professional Semester Requirements, as well as a grade of C or above in all Professional Education courses.**

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\***

- 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)..... ( )  
 CHYS-371 Quantitative Analysis (4) **OR**  
 CHYS-372 Instr. Analysis: Spec. I.D. (4)..... ( )  
 CHYS-471 Survey of Physical Chemistry (3)..... ( )  
 CHYS-491 Research Design (1)..... ( )  
 CHYS-493 Chemistry Research & Defense (2)..... ( )  
 Chemistry Elective: Choose 3 hrs from CHYS courses  
 at the 300 level or above  
 \_\_\_\_\_ ( )

SUBTOTAL (29 hours) ..... \_\_\_\_\_

**COLLATERAL REQUIREMENTS\***

- BIOS-495 Science and Scripture (3)..... ( )  
 GSCI-122 Earth and Space Science (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 (22 hours) ..... \_\_\_\_\_

**PROFESSIONAL**

- EDUC-199 Intro To The Teaching Profession (1) ..... ( )  
 EDUC-299 Teaching Diverse Learners (2)..... ( )  
 EDUC-315 Foundations of Education (3) **OR**  
 EDMG-315 Found. Middle Grades Educ (3) ..... ( )  
 PSYC-312 Educational Psychology (3)..... ( )  
 SPED-316 Exceptional Child (3)..... ( )  
 SCED-340 Prin.Classroom Instr./Secondary (2)..... ( )  
 SCED-416 Teaching Science, Grades 6 -12 (2)<sup>F</sup>..... ( )  
 SCED-416L Methods Lab (1)<sup>F</sup>..... ( )  
 F Offered Fall semester only

SUBTOTAL (17 hours) ..... \_\_\_\_\_

**PROFESSIONAL SEMESTER**

- EDUC-496 Student Teaching I (5)..... ( )  
 EDUC-497 Student Teaching II (5)..... ( )  
 EDUC-498 Student Teaching Seminar (2)..... ( )

SUBTOTAL (12 hours) ..... \_\_\_\_\_

**\* Department policy requires a grade of C or above to fulfill the Specialty Area and Collateral requirements.**

## SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN CHEMISTRY, 6 – 12 LICENSURE

(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
Message of New & Old Testament.....	6
Introduction to the Teaching Profession.....	1
General Chemistry .....	8
Language and Culture.....	3
Calculus 1 .....	4
Intro to Statistics.....	3
Total	33

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
LEEU-202 Benevolence.....	1
Intro. to Theology .....	3
Intro. to Christian Ethics.....	3
Foundations of Western Culture.....	3
Humanities Option.....	3
General Physics .....	8
Organic Chemistry .....	9
Contemporary Society Option 1 .....	3
Total	33

### JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Educational Psychology .....	3
Exceptional Child .....	3
Survey of Physical Chemistry.....	3
Humanities Options.....	6
Cross-Cultural Experience .....	1/3
Foundations of Education (or MG Foundations).....	3
Teaching Diverse Learners .....	2
Quantitative Analysis OR Spect. I.D.....	4
Earth and Space Science.....	4
Research Design.....	1
Principles Classroom Instruction/Secondary.....	2
Total	32/34

### SENIOR YEAR

#### 1ST SEMESTER (fall)

<u>Course</u>	<u>Hours</u>
Chemistry Research & Defense .....	2
Teaching Science, Grades 6-12 and Lab.....	3
Chemistry Elective .....	3
Science and Scripture (Capstone) .....	3
U S History/Government Option.....	3
Contemporary Society Option 2 .....	3
Total	17

#### 2ND SEMESTER (spring)

<u>Course</u>	<u>Hours</u>
Student Teaching Seminar.....	2
Student Teaching I.....	5
Student Teaching II.....	5
Total	12