

# LEE UNIVERSITY

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

(Minimum 126 credit hours required)

**This program requires a minimum 2.75 GPA overall, in English Composition, 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) ..... \_\_\_\_\_

**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\***

- 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) ..... ( )  
 CHEM-351 Quantitative Analysis (4) **OR**  
 CHEM-352 Instr. Analysis:Spectr. I.D. (4) ..... ( )  
 CHEM-438 Research Design (1) ..... ( )  
 CHEM-439 Physical Chemistry Research (2) ..... ( )  
 CHEM-441 Survey of Physical Chemistry (3) ..... ( )  
 CHEM-442 Physical Chemistry (3) ..... ( )  
 Chemistry Elective: Choose 3 hrs from Chemistry courses  
 at the 300 level or above  
 \_\_\_\_\_ ( )

SUBTOTAL (33 hours) ..... \_\_\_\_\_

**COLLATERAL REQUIREMENTS\***

- BIOL-495 Science and Scripture (3) ..... ( )  
 MATH-161 Intro to Statistics (3) ..... ( )  
 MATH-271 Calculus I (4) ..... ( )  
 PHSC-112 Earth and Space Science (4) ..... ( )  
 PHYS-281 General Physics I (4) ..... ( )  
 PHYS-282 General Physics II (4) ..... ( )

SUBTOTAL (22 hours) ..... \_\_\_\_\_

**PROFESSIONAL**

- EDUC-199 Intro To The Teaching Profession (1) ..... ( )  
 EDUC-299 Teaching Diverse Learners (1) ..... ( )  
 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-415 Teaching Science, Grades 6 -12 (2) ..... ( )  
 SCED-415L Methods Lab (1) ..... ( )

SUBTOTAL (16 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, 102A, 102B.....	3
College Writing/ Workshop.....	3/4
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	34/35

### SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
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	32

### JUNIOR YEAR

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

### SENIOR YEAR

#### 1ST SEMESTER

<u>Course</u>	<u>Hours</u>
Phys Chemistry Research.....	2
Principles Classroom Instruction/Secondary.....	2
Teaching Science, Grades 7-12 and Lab.....	3
Chemistry Elective.....	3
Science and Scripture (Capstone).....	3
U S History/Government Option.....	3
Contemporary Society Option 2.....	3
Total	19

#### 2ND SEMESTER

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