

**Four-Year Plan**  
**Interdisciplinary Studies in Human Learning (LSHD.BS)**  
**Teacher Licensure K-5**

The following is a suggested four-year plan of study for freshmen entering LMU during the 2024-2025 academic year. This plan should be used in conjunction with the University catalog and in consultation with the faculty advisor. Transfer students should contact their advisor if they have questions regarding transfer credit. Courses listed on the four-year plan may be taken during other semesters, based on availability and course placement. This plan meets LMU's general education (Liberal Arts Common Core) requirements, major requirements and 300/400 level course requirements. *Lincoln Memorial University reserves the right to adjust at any time its Initial Teacher Licensure Undergraduate Program requirements to comply with changes mandated by the State Board of Education.*

**Note: In order to graduate in four years (eight regular semesters) the student must average passing 16/17 hours per semester**

**First Year**

**Fall**

History Requirement	3
ENGL 101 Composition 1	3
Mathematics Requirement	3
UACT 100 Strategies for College Success	1
Natural/Physical Science Requirement	4

**TOTAL 14**

**Spring**

History Requirement	3
COMM 200 Fund of Speech Communication	3
Humanities, Fine Arts or Ethics	3
PSYC 221 Child and Adolescent Dev	3
Major Core Science Requirement	4
LNCN 100 Lincoln's Life and Legacy	1

**TOTAL 17**

**Second Year**

**Fall**

ENGL 102 Composition 2	3
Humanities, Fine Arts or Ethics	3
Natural/Physical Science Requirement	4
Major Core History Requirement	3
Major Core Requirement	3

**TOTAL 16**

**Spring**

Electives	3
Electives	3
PSYC 370 Educational Psychology	3
Major Core Math Requirement	3
Major Core English Requirement	3

**TOTAL 15**

**Third Year**

**Fall**

EDUC 210 Instructional Technologies	2
EDUC 290 The Teaching Profession	3
EDUC 390 Diversity in Today's Classroom	2
Elective	3
EDUC 376/X Fundamentals of Literacy	3
SPED 320 K-12 Differentiated Instruction	3

**TOTAL 16**

**Spring**

SPED 270 Teaching the Exceptional Lrnr	2
EDUC 356 Methods of Teaching Elem Sci/Soc St	4
CIVX 300 American Civics	2
EDUC 420 Reading Diagnosis	3
EDUC 340 Instructional & Assess Strateg	3
EDSL Course Requirement (200, 320 or 330)	3

**TOTAL 17**

**Fourth Year**

**Fall**

EDUC 440 Methods of Teaching Literacy	3
CDEV 350 Teaching Elementary Children	3
EDUC 414/Z Research & Tech Writing	1
EDUC 480 Pre-Clinical Experience	2
EDUC 330 Hlth & PE Elementary Classroom	3
EDUC 450 Meth of Teaching Elem Math	3

**TOTAL 15**

**Spring**

EDUC 497 Enhanced Clinical Practice	9
EDUC 497F Seminar	3

**TOTAL 12**

**edTPA**

**Praxis II Requirements:**

5001 – Elementary Education Multiple Subjects

5205 – Teaching Reading: Elementary

**TOTAL 122**

Please note: All Students in teacher licensure programs are required to apply for admission to the teacher licensure program while enrolled in EDUC 290, The Teaching Profession. Students will begin taking Praxis II exams near the end of the Junior year. Formal Admission is required prior to enrolling in EDUC 480, Pre-Clinical Experience. All Praxis II requirements and program criteria must be met prior to registration for EDUC 497, Enhanced Clinical Practice and Seminar. Revised 1/2024

**CHEM 111 General Chemistry I & Lab (4 cr hrs)**

Study of atoms and molecules. Emphasis on the bonding, chemistry, and thermodynamics of relatively simple substances. Prerequisite for CHEM 111 is (1) Math ACT of 21 or higher or (2) successful (C- or better) grade in MATH 105. FALL

**CHEM 112 General Chemistry II & Lab (4 cr hrs)**

Study of atoms and molecules. Emphasis on the bonding, chemistry, and thermodynamics of relatively simple substances. SPRING

**CHEM 221 Organic Chemistry I & Lab (4 cr hrs)**

Study of the compounds of carbon. The common organic functional groups with emphasis on structure, properties reactions, synthesis, and mechanism. Co-requisite: CHEM 221 lab, 1 credit hour. FALL

**CHEM 222 Organic Chemistry II & Lab**

Study of the compounds of carbon. The common organic functional groups with emphasis on structure, properties reactions, synthesis, and mechanism. Co-requisite: CHEM 222 lab, 1 credit hour. SPRING

**ENGL 101 Composition 1****CHEM 331 Quantitative & Instrumental Analy. (2 cr hrs)**

Basic theory and practice of quantitative and instrumental chemical analysis and chemical equilibrium.

Laboratory work covering gravimet ENGL102 Composition 2

CHEM 331 is successful completion of CHEM 221 with a grade of C- or better. FALL ALTERNATE YEARS

**CHEM 397 Junior Science Seminar (1 cr hr)**

The student plans a science topic inquiry, either through original or library research. Requires a progress report or literature review paper and oral presentation of findings. SPRING and FALL.

**CHEM 310 Math. Methods in Chemistry (4 cr hrs)**

A course designed to give the student sufficient background in mathematical methods required for completion of the analytical, physical, and inorganic chemistry sequences. Course discussion will include review of transcendental functions, differential and integral calculus, numerical methods, linear algebra, differential equations, and functions of several variables. FALL

**CHEM 332 Quant. & Instrumental Analy. II**

Basic theory and practice of quantitative and instrumental chemical analysis and chemical equilibrium.

Laboratory work covering gravimetric, instrumental, and volumetric analyses. Prerequisite for enrollment in CHEM 332 is successful completion of CHEM 331 with a grade of C- or better. SPRING ALTERNATE YEARS

**ENGL 240, 250, or 260**

Use the periodic table to show variation of physical and chemical properties of the elements. Elements studied as families. Properties such as acid-base, redox, and coordination compounds are related to the position of the element in the periodic table. Prerequisite: CHEM 111, 112 with labs. Highly recommended: CHEM 310, 451-452. SPRING.

**CHEM 451 Physical Chemistry I & Lab (4 cr hrs)**

Energy relationships in chemical reactions; elementary quantum mechanics of chemical systems; elementary chemical kinetics. FALL

**CHEM 497 Senior Science Seminar (1 cr hr)**

Methods of literature search and sources of information in the sciences. Requires a research paper on a topic in chemical science. Prerequisite: completion of all 300 level program requirements. SPRING and FALL.

**STEM 460 Meth. of Sec. Math & Nat. Sci. Educ.**

This course will address focused aspects of the STEM disciplines for effective secondary classroom and laboratory instruction. Topics will include contemporary state and national math and natural science learning standards, lab safety, learning experiences, and writing real-world problems and application exercises. The literature of STEM instruction and the use of demonstrations are the focus of the projects. A portion of instructional time will be in science lab settings. Prerequisites: MATH150 and both general education natural science courses.