

## **Bachelor of Science in** Chemistry **Education Track (122 Cr.) Four-Year Curriculum Plan**



Fall Courses — First Year	Cr
UACT 100 Strategies for College Success*	1
LNCN 100 Lincoln's Life & Legacy*	1
BIOL 111 General Biology I & Lab*#	4
Prerequisite: Placement in ENGL 101 or ACT/SAT reading/verbal score of 23	
ENGL 101 Composition I*	3
CHEM 111 General Chemistry I & Lab#	4
Prerequisite: Math ACT of 21 or higher or MATH105, 115, or 120	
MATH 150 Calculus I*#	4
Prerequisite: Math ACT of 26 or higher or MATH120	

Total	Credits	17
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You should be exploring opportunities to participate in service initiatives.

Fall Courses — Second Year	Cr
PSYC 221 Childhood & Adolescent Devel.*#	3
EDUC 210 Instr. Tech & Learning Res.#	2
COMM 200 Fund Speech & Comm*	3
CHEM 221 Organic Chemistry I & Lab#	4
Prerequisite: CHEM 112 and lab	
PHYS 211 General Physics I & Lab <sup>#</sup>	4
Prerequisite: Math ACT of 26 or higher or MATH 120	

**Total Credits** 16

 Keep track of the number of 300/400 level courses you take. You need to complete at least 36 credits for graduation

Fall Courses — Third Year	Cr
EDUC 360 Sec. Inst. Methods & Strat.#	3
CHEM 331 Quantitative & Instr. Analysis I and	4
Lab <sup>#</sup>	
Prerequisite: CHEM 221 and lab	
CHEM 397/X JR Sc Sem and Writing#	1
BIOL 441 Biochemistry I <sup>#</sup>	4
Prerequisite: BIOL 111 & 112 with lab and CHEM 221 & 222 with lab	
PSYC 370 Educational Psychology <sup>#</sup>	3
Prerequisite: PSYC 221	
Ethics, Fine Arts, History or Humanities Req.*	3

Iotal	Credi	ts :	18

Begin preparation for taking the PRAXIS

Fall Courses — Fourth Year	Cr
EDUC 380 Literacy in Secondary Education#	2
EDUC 480 Pre-Clinical Experience#	2
CHEM 451 Physical Chemistry I <sup>#</sup>	4
Prerequisite: CHEM 112 and lab	
CHEM 497/Z Senior Science Sem and Writing#	1
HIST Requirement*	3
CIVX 300 American Citizenship*	2
Total Credits	14

Spring Courses — First Year	Cr
EDUC 290 The Teaching Profession#	3
BIOL 112 General Biology II & Lab*#	4
Prerequisite: BIOL 111 and lab	
ENGL 102 Composition II*	3
CHEM 112 General Chemistry II & Lab#	4
Prerequisite: CHEM 111 and lab	
MATH 250 Calculus II <sup>#</sup>	4
Prerequisite: MATH 150	
Total Credits	18

While enrolled in EDUC 290 students will apply for admission to the teacher licensure

Spring Courses — Second Year	
SPED 320 Differentiated Instruction#	3
HIST Requirement*	3
Ethics, Fine Arts, History or Humanities Req.*	3
CHEM 222 Organic Chemistry II & Lab <sup>#</sup> Prerequisite: CHEM 221 and lab	4
PHYS 212 General Physics II & Lab#	4
Prerequisite: PHYS 211 and lab  Total Credits	17

Spring Courses — Third Year	Cr
EDUC 370 Measurement and Evaluation#	2
STEM 460 Secondary Math & Science	3
Instruction # Prerequisite: MATH 150 and both natural sciences	
EDUC 390 Diversity in Today's Class#	2
CHEM 310 Math Methods in Chemistry# Prerequisites: MATH 250	3
CHEM 332 Quantitative & Instr. Analysis II	4
and Lab <sup>#</sup> Prerequisites: CHEM 331	
CHEM 460 Inorganic Chemistry#  Prerequisites: CHEM 111 and CHEM 112 and labs	3
Total Credits	17

Spring Courses — Fourth Year	Cr
EDUC 497 Enhanced Clinical Practice#	9
EDUC 497F Enhanced Clinical Practice	3
Seminar <sup>#</sup>	
Total Credits	12

Prerequisites require successful completion (C- of better) of course(s) listed

\*LMU Core Curriculum Requirement: See LMU undergraduate catalog for details

# Major-Specific Requirement/Collateral Requirement: These courses must be passed with at least a C- or better to progress in the program. See LMU catalog for specific grade requirements.



## Bachelor of Science in Chemistry Education Track (122 Cr.) Four-Year Curriculum Plan



Suggested four-year plan for freshmen entering LMU Fall semester. Always consult LMU's Undergraduate Catalog and discuss with your academic advisor every semester prior to registering for classes. Timing of courses may deviate from this plan based on several factors

Clinical Hours Tracker	Required	Completed
SPED 320 Characteristics and Comm. of Students with Severe Disabilities	10 hours	
EDUC 290 The Teaching Profession	10 hours	
EDUC 360 Secondary Instructional Methods & Strategies	30 hours	
EDUC 370 Measurement and Evaluation	20 hours	
EDUC 380 Literacy Across Secondary Curricula	30 hours	
EDUC 480 Pre-Clinical Experience	50 hours	

## **Credit Hour Requirements**

To graduate you need to complete a minimum of 122 credit hours. At least 36 of these hours must be at the 300/400 level. Track your hours in each of these categories as you progress to ensure timely completion of the program.

	# of credit hours			Cumulative	
Semester	Current semester	300/400	Total Earned (Add all semesters)	Total 300/400 (Add all semesters)	GPA
1 <sup>st</sup> Yr. Fall					
1 <sup>st</sup> Yr. Spring					
2 <sup>nd</sup> Yr. Fall					
2 <sup>nd</sup> Yr. Spring					
3 <sup>rd</sup> Yr. Fall					
3 <sup>rd</sup> Yr. Spring					
4 <sup>th</sup> Yr. Fall					
4 <sup>th</sup> Yr. Spring					

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