

First Year — Fall Semester _____	Cr.
UACT 100 Strategies for College Success*	1
Gen. Elective- Any course of your choice*	3
ENGL 101 Composition I*	3
CHEM 111 General Chemistry I & Lab#	4
<small>Prerequisite: Successful completion (C- or better) of Math 105, 115, or 120, OR Math ACT sub-score of 23 or higher, Fall</small>	
LNCN 100 Lincoln's Life & Legacy*	1
MATH 150 Calculus I**	4
<small>Prerequisite: Successful completion (C- or better) of Math 120 or ACT sub-score of 26 or higher.</small>	
Total Credits	16

- You should be exploring opportunities to participate in service initiatives.

Second Year — Fall Semester _____	Cr.
Social/Behavioral Science Requirement*	3
PHYS 211 General Physics I & Lab#	4
<small>Prerequisite: Successful completion (C- or better) of Math 120, or a Math ACT sub-score of 26 or higher, Fall</small>	
PHYS 215 Applic. of Calc. to Gen. Physics#	1
CHEM 221 Organic Chemistry I & Lab#	4
<small>Prerequisite: Successful completion (C- or better) with lab</small>	
HIST Requirement*	3
Total Credits	15

- Keep track of the number of 300/400 level courses you take. You need to complete at least 42 credits for graduation

Third Year — Fall Semester _____	Cr.
CHEM 310 Math Methods in Chemistry#	3
<small>Prerequisites: Successful completion (C- or better) of MATH 150, 250.</small>	
CHEM 331 Quantitative & Instr. Analysis#	4
<small>Prerequisites: Successful completion (C- or better) of CHEM 221</small>	
Fine Arts Requirement*	3
CHEM 397 JR Sc Sem and Writing#	1
<small>Prerequisites: Successful completion (C- or better) of ENGL 102 or equivalent.</small>	
PHYS 320 Modern Physics I & Lab#	3
<small>Prerequisite: successful completion of PHYS 212 and PHYS 216 with a grade of C- or better</small>	
Total Credits	14

- Make plans to take graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT)

Fourth Year — Fall Semester _____	Cr.
CIVX 300 American Civics*	2
Free Elective 300/400 level	3
Free Elective 300/400 level	3
CHEM 451 Physical Chemistry I#	4
<small>Prerequisite: Successful completion (C- or better) of CHEM 112</small>	
PHYS 350 Intro to Electronics#	4
<small>Prerequisite: Successful completion (C- or better) of PHYS 212</small>	
Total Credits	16

- Complete the Intent to Graduate form during your Academic Advising Meeting.

First Year — Spring Semester _____	Cr.
ENGL 102 Composition II*	3
COSC 160 Computer Science I#	3
<small>Prerequisite: Successful completion (C- or better) of MATH 115 or ACT sub-score of 23 or higher</small>	
Ethics, Fine Arts or Humanities Req.*	3
CHEM 112 General Chemistry II & Lab#	4
<small>Prerequisite: successful completion of CHEM 111 with a grade of C- or better</small>	
MATH 250 Calculus II#	4
<small>Prerequisite: successful completion (C- or better) of MATH 150</small>	
Total Credits	17

Second Year — Spring Semester _____	Cr.
PHYS 212 General Physics II & Lab#	4
<small>Prerequisite: Successful completion (C- or better) in PHYS 211 with lab.</small>	
PHYS 216 Applic. of Calc. to Gen. Physics#	1
CHEM 222 Organic Chemistry II & Lab#	4
<small>Prerequisite: Successful completion (C- or better) of CHEM 221 with lab</small>	
Gen. Elective- Any course of your choice	2
HIST Requirement*	3
Total Credits	14

- You should be exploring opportunities to conduct research.

Third Year — Spring Semester _____	Cr.
CHEM 332 Quantitative & Instrum. Analysis#	4
<small>Prerequisites: Successful completion (C- or better) of CHEM 221, CHEM 331</small>	
COMM 200 Fund Speech & Comm*	3
Social/Behavior Science Requirement	3
Free Elective 300/400 level	3
Free Elective 300/400 level	3
Total Credits	16

- Consider taking CHEM 483 in order to progress on your mentored research project.
- Consider taking upper level math electives, particularly if interested in graduate school.

Fourth Year — Spring Semester _____	Cr.
Free Elective 300/400 level	3
Free Elective 300/400 level	3
CHEM 452 Physical Chemistry II#	4
<small>Prerequisites: Successful Completion (C- or better) of CHEM 451</small>	
CHEM 460 Inorganic Chemistry#	3
<small>Prerequisites: Successful Completion (C- or better) of CHEM 111 and CHEM 112</small>	
CHEM 497 Senior Science Seminar#	1
Total Credits	14

*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.

Useful Contacts

Title	Name	Email	Phone number
Chair, Department of Chemistry	Dr. Kevin Cooper	Kevin.Cooper@lmunet.edu	423.869.7156
Academic Support & Tutoring	Tagge Center	Taggecenter@lmunet.edu	423.869.6310
Student Counseling	Jessica Parker	Jessica.Parker@lmunet.edu	423.869.6277
Career Services Counselor	Tanya Vincent	Tanya.Vincent@lmunet.edu	423.869.7187
Student Success Coordinator	Gerald Branham	Gerald.Branham@lmunet.edu	423.869.6611

Credit Hour Requirements

In order 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. It is recommended that you track your hours in each of these categories as you progress.

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

Career Exploration

Career	Description	Career Preparation – internship, research experience, coursework, etc	Career Qualifications
			BS
			MS
			PhD
			Certifications
			BS
			MS
			PhD
			Certifications
			BS
			MS
			PhD
			Certifications