

Fall Courses — First Year	Cr.
ENGL 101 Composition I*	3
UACT 100 Strategies for College Success*	1
BIOL 111 General Biology I & Lab*#	4
Prerequisite: Successful Completion (C- or better) BIOL 100, placement in ENGL 101, OR ACT/SAT reading/verbal score of 23	
CHEM 111 General Chemistry I & Lab#	4
Prerequisite: Successful completion (C- or better) of Math 105, 115, or 120, OR Math ACT sub-score of 23 higher, Fall	
MATH 150 Calculus I#*	4
Prerequisite: Successful completion (C- or better) of MATH 120 or ACT sub-score of 26 or higher	
Total Credits	16

- You should be exploring opportunities to participate in service initiatives.
- Have you joined a club? Think about the Chemistry Club

Fall Courses — Second Year	Cr.
Ethics, Fine Arts, or Humanities Req*	3
CHEM 221 Organic Chemistry I & Lab#	4
Prerequisite: Successful completion (C- or better) of CHEM 112 with lab, Fall	
PHYS 211 General Physics I & Lab#	4
Prerequisite: Successful completion (C- or better) in MATH 120, or a Math ACT sub-score of 26 or higher, Fall	
HIST Requirement*	3
Total Credits	14

- Keep track of the number of 300/400 level courses you take. You need to complete at least 42 credits for graduation
- You should be exploring career opportunities and internships

Fall Courses — Third Year	Cr.
CHEM 331 Quantitative & Instrum. Analysis#	4
Prerequisites: Successful completion (C- or better) of CHEM 221 with lab, Fall	
CHEM 397 JR Sc Sem and Writing#	1
Prerequisites: Successful completion (C- or better) of ENGL 102 or equivalent	
Free Elective	3
Social/Behavioral Science Requirement*	3
Prerequisites: Successful completion (C- or better) of BIOL 111 and CHEM 111 and CHEM 112 with labs	
CHEM 310 Math Methods in Chemistry#	4
Prerequisites: Successful completion (C- or better) of MATH 150, 250, Fall	
Total Credits	15

- Explore opportunities for internships or research experiences
- Explore career interest and determine qualifications. Begin to plan how you will obtain these qualifications

Fall Courses — Fourth Year	Cr.
CIVX 300 American Civics*	2
Free Elective	3
CHEM 451 Physical Chemistry I#	4
Prerequisite: Successful completion (C- or better) of CHEM 112, Fall	
Free elective	3
Social/Behavioral Science Requirement*	3
Total Credits	15

- Complete the Intent to Graduate form during your Academic Advising Meeting.
- Apply to graduate/professional program, if applicable
- Look for opportunities to present research
- Explore job opportunities in your career

Spring Courses — First Year	Cr.
ENGL 102 Composition II*	3
LNCN 100 Lincoln's Life & Legacy*	1
BIOL 112 General Biology II & Lab*#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 with lab	
CHEM 112 General Chemistry II & Lab*#	4
Prerequisite: Successful completion (C- or better) of CHEM 111, Spring	
MATH 250 Calculus II#	4
Prerequisite: successful completion (C- or better) of MATH 150	
Total Credits	16

- Think about how you can explore career options during the summer

Spring Courses — Second Year	Cr.
HIST Requirement*	3
Free Elective	2
CHEM 222 Organic Chemistry II & Lab#	4
Prerequisite: Successful completion (C- or better) of CHEM 221 with lab, Spring	
PHYS 212 General Physics II & Lab#	4
Prerequisite: Successful completion (grade of C- or better) in PHYS 211 with lab, Spring	
Fine Art, Humanities or Ethics	3
Total Credits	16

- Narrow down career options. Gather information on what is needed to achieve those careers, i.e. internships, experience, professional/graduate school (will require an entrance exam)

Spring Courses — Third Year	Cr.
CHEM 332 Quantitative & Instrumental Analysis#	4
Prerequisites: Successful completion (C- or better) of CHEM 221, CHEM 331, Spring	
COMM 200 Fund Speech & Communication*	3
Free Elective 300/400 level	3
Free Elective 300/400 level	3
Total Credits	13

- Apply for summer internships or research experiences.
- Make plans to study for and take professional/graduate school entrance exams, if applicable

Spring Courses — Fourth Year	Cr.
CHEM 452 Physical Chemistry II#	3
Prerequisites: Successful Completion (C- or better) of CHEM 451, Spring	
CHEM 460 Inorganic Chemistry#	3
Prerequisites: Successful Completion (C- or better) of CHEM 111 and CHEM 112	
CHEM 497 Senior Science Seminar#	1
Free elective	3
BIOL 441 Biochemistry#	4
Prerequisites: Successful completion (C- or better) of BIOL 111 and CHEM 111 and CHEM 112 with labs	
Free Elective	3
Total Credits	17

*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)	
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
			BS
			MS
			PhD
			Certifications
			Certifications