

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: ACT reading score of 23 (or analogous SAT verbal score), placement in ENG 101 or higher, OR successful completion of BIOL 100	
CHEM 111 General Chemistry I & Lab#	4
Prerequisite: (1) a Math ACT of 21 or higher or (2) successful (C- or better) grade in Math 105, Math 115, or Math 120.	
MATH 150 Calculus I*#	4

Total Credits 16

- You should be exploring opportunities to participate in service initiatives.
- Have you joined the Pre-Med or Chemistry club?

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 lecture and lab	
CHEM 112 General Chemistry II & Lab#	4
Prerequisite: successful completion of CHEM 111 with a grade of C- or better	
MATH 250 Calculus II#	4
Prerequisite: successful completion (C- or better) of MATH 150	

Total Credits 16

- Explore which graduate/professional school entrance exams you will need to take (e.g., DAT, GRE, MCAT, PA-CAT, OAT)
- Seek shadowing and/or volunteer opportunities during the summer.

Fall Courses — Second Year	Cr.
BIOL 315 Molecular Genetics & Lab#	4
Prerequisites: Successful completion (C- or better) of BIOL 111 and 112 and CHEM 111 with labs.	
CHEM 221 Organic Chemistry I & Lab#	4
Prerequisite: successful completion (C- or better) of CHEM 112 with lab.	
PHYS 211 General Physics I & Lab#	4
Prerequisite: (1) a Math ACT sub-score of 26 or higher, or (2) successful completion (grade of C- or better) in MATH 120 Trigonometry	
History Requirement*	3

Total Credits 15

- You should be exploring opportunities to volunteer and get involved in activities on campus including leadership roles.
- Keep track of the number of 300/400 level courses you take. You need to complete at least 42 credits for graduation

Spring Courses — Second Year	Cr.
History Requirement*	3
ISYS 100 Computer Literacy*	2
CHEM 222 Organic Chemistry II & Lab#	4
Prerequisite: successful completion (C- or better) of CHEM 221 with lab.	
PHYS 212 General Physics II & Lab#	4
Prerequisite: successful completion (grade of C- or better) in PHYS 211 and lab.	
BIOL 336 General Microbiology & Lab#	4
Prerequisites: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs and CHEM 111 and 112 with labs	

Total Credits 17

- Plan out your last four semesters – think about what classes you need to prepare for your entrance exam; these should be completed by the end of your third year
- Keep track of the number of hours you are completing in volunteer experiences and shadowing.

Fall Courses — Third Year	Cr.
CHEM 331 Quantitative & Instrumental Analysis#	4
Prerequisites: Successful completion (C- or better) of CHEM 221	
CHEM 397/397X Jr. Science Seminar#	1
Prerequisites: Successful completion (C- or better) of ENGL 102 or equivalent.	
ENGL 240 or 250*	3
BIOL 441 Biochemistry#	4
Prerequisites: Successful completion (C- or better) of BIOL 111 and CHEM 111 and CHEM 112 with labs	
BIOL 310 Comp. Vert. Anatomy & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 and CHEM 111 and 112 with labs, Fall	

Total Credits 15

- Make plans to prepare and take graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT)
- Start thinking about who you would like to write you a letter of recommendation

Spring Courses — Third Year	Cr.
CHEM 332 Quantitative & Instrumental Analysis#	4
Prerequisites: Successful completion (C- or better) of CHEM 221, CHEM 331	
COMM 200 Fund Speech & Communication*	3
BIOL 365 General Physiology	4
Prerequisite: Successful Completion (C- or better) BIOL 310 lecture with lab, Spring	
CHEM 310 Math Methods in Chemistry#	3
Prerequisites: Successful completion (C- or better) of MATH 150, 250.	
Fine Arts Requirement*	3

Total Credits 17

- Explore opportunities to conduct research in your fourth year
- Schedule your graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT) date for the summer and begin studying
- Identify writers for letters of recommendation and ask them before leaving for the summer

Fall Courses — Fourth Year	Cr.
LNCN 300 American Citizenship*	1
MATH 270 Probability and Statistics#	3
CHEM 451 Physical Chemistry I#	4
Prerequisite: Successful completion (C- or better) of CHEM 112	
CHEM 497/479Z Senior Science Seminar#	1
Fine Art, Humanities or Ethics*	3
Social/Behavioral Science Requirement*	3
CHEM 483 Research in Chemistry	1

Total Credits 16

- Submit application to graduate/professional school
- Conduct a mock interview
- Complete the Intent to Graduate form after you have registered for your spring semester
- Participate in a research project

Spring Courses — Fourth Year	Cr.
CHEM 452 Physical Chemistry II#	4
Prerequisites: Successful Completion (C- or better) of CHEM 451	
CHEM 460 Inorganic Chemistry#	3
Prerequisites: Successful Completion (C- or better) of CHEM 111 and CHEM 112	
Social/Behavioral Science Requirement*	3
Free Elective	3
Free Elective	3

Total Credits 16

- Participate in a research project. Explore opportunities to present
- Explore gap year options, if applicable

*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. Stephen Everly	Stephen.Everly@lmunet.edu	423.869.6472
Academic Support & Tutoring	Tagge Center	Taggecenter@lmunet.edu	423.869.6080
Student Counseling	Jessica Parker	Jessica.Parker@lmunet.edu	423.869.6277
Career Services Counselor	Jennifer Butcher	Jennifer.Butcher@lmunet.edu	423.869.6679
Student Success Coordinator	Gerald Branham	Gerald.Branham@lmunet.edu	423.489.6611

Professional Tracking		
	Average	You
Entrance exam		
Cumulative GPA		
Science GPA		
Shadowing hours		
Volunteer hours		
Other:		
Other:		
Other:		

Credit Hour Requirements					
In order to graduate you need to complete a minimum of 128 credit hours. At least 42 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					

Alternative Paths: _____

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