LMU
College of Mathematics, Sciences & Health Professions
LINCOLN MEMORIAL UNIVERSITY

Bachelor of Science in Chemistry
Pre-med 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 a number of factors

Fall Courses — First Year	Cr.
ENGL 101 Composition I*	3
UACT 100 Strategies for College Success*	1
BIOL 111 General Biology I & Lab*# Prerequisite: ACT reading score of 23 (or analogous SAT verbal score), placement in ENG 101 or higher, OR successful completion of BIOL 100	4
CHEM 111 General Chemistry I & Lab# Prerequisite: (1) a Math ACT of 21 or higher or (2) successful (C⁻ or better) grade in Math 105, Math 115, or Math 120.	4
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*# Prerequisite: Successful completion (C⁻ or better) of BIOL 111 lecture and lab	4
CHEM 112 General Chemistry II & Lab# Prerequisite: successful completion of CHEM 111 with a grade of C⁻ or better	4
MATH 250 Calculus II# Prerequisite: successful completion (C- or better) of MATH 150	4
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# Prerequisites: Successful completion (C- or better) of BIOL 111 and 112 and CHEM 111 with labs.	4
CHEM 221 Organic Chemistry I & Lab# Prerequisite: successful completion (C- or better) of CHEM 112 with lab.	4
PHYS 251 University Physics I & Lab# Prerequisite: (1) successful completion (grade of C- or better) in MATH 150 Calculus I	5
History Requirement*	3
Total Credits	**16**

- **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 36 credits for graduation**

Spring Courses — Second Year	Cr.
History Requirement*	3
CHEM 222 Organic Chemistry II & Lab# Prerequisite: successful completion (C- or better) of CHEM 221 with lab.	4
PHYS 252 University Physics II & Lab# Prerequisite: successful completion (grade of C- or better) in PHYS 251 and lab.	5
BIOL 336 General Microbiology & Lab# Prerequisites: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs and CHEM 111 and 112 with labs	4
Total Credits	**16**

- **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# Prerequisites: Successful completion (C- or better) of CHEM 221	4
CHEM 397/397X Jr. Science Seminar# Prerequisites: Successful completion (C- or better) of ENGL 102 or equivalent.	1
Fine Art, Humanities or Ethics req.*	3
BIOL 441 Biochemistry# Prerequisites: Successful completion (C- or better) of BIOL 111 and CHEM 111 and CHEM 112 with labs	4
BIOL 310 Comp. Vert. Anatomy & Lab# Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 and CHEM 111 and 112 with labs, Fall	4
Total Credits	**16**

- **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# Prerequisites: Successful completion (C- or better) of CHEM 221, CHEM 331	4
COMM 200 Fund Speech & Communication*	3
BIOL 365 General Physiology Prerequisite: Successful Completion (C- or better) BIOL 310 lecture with lab, Spring	4
CHEM 310 Math Methods in Chemistry# Prerequisites: Successful completion (C- or better) of MATH 150, 250.	3
Fine Arts, Humanities or Ethics Req*	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.
CIVX 300 American Civics*	2
MATH 270 Probability and Statistics#	3
CHEM 451 Physical Chemistry I# Prerequisite: Successful completion (C- or better) of CHEM 112	4
CHEM 497/479Z Senior Science Seminar#	1
Social/Behavioral Science Requirement*	3
CHEM 483 Research in Chemistry	1
Total Credits	**14**

- **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# Prerequisites: Successful Completion (C- or better) of CHEM 451	4
CHEM 460 Inorganic Chemistry# Prerequisites: Successful Completion (C- or better) of CHEM 111 and CHEM 112	3
Free Elective	3
Free Elective	3
Total Credits	**13**

- **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.

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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	423.869.6080
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	423.489.6611

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 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)	
1st Yr. Fall					
1st Yr. Spring					
2nd Yr. Fall					
2nd Yr. Spring					
3rd Yr. Fall					
3rd Yr. Spring					
4th Yr. Fall					
4th Yr. Spring					

Alternative Paths: _____

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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
			BS
			MS
			PhD
			Certifications
			Certifications