

First Year — Fall Semester	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	
MATH 120 Trigonometry*#	3
Prerequisite: Successful completion (C- or better) of MATH 115, OR Math ACT sub-score of 23 or higher	
BIOL 194 Pre-Med Seminar#	1
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	
Total Credits	16
<ul style="list-style-type: none"> You should be exploring opportunities to participate in service initiatives. Have you joined the Pre-Med Club? 	

Second Year — Fall Semester	Cr.
ISYS 100 Computer Literacy*	2
PSYC 100 Intro to Psychology*#	3
BIOL 315 Molecular Genetics & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 with labs	
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	
Total Credits	17
<ul style="list-style-type: none"> 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 	

Third Year — Fall Semester	Cr.
History Requirement*	3
Fine Arts Requirement*	3
ENGL 240 or 250*	3
BIOL 441 Biochemistry I#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 with lab and CHEM 221 and 222 with labs, Fall	
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	17
<ul style="list-style-type: none"> 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 	

Fourth Year — Fall Semester	Cr.
CIVX 300 American Civics*	2
PHIL 430 Medical Ethics*#	3
Prerequisite: Successful Completion (C- or better) of ENGL 240 or 250	
Upper-Level Track Elective (3-4 cr)#	4
See page 2 for choices	
Upper-Level Track Elective (3-4 cr)#	4
See page 2 for choices	
Total Credits	13
<ul style="list-style-type: none"> 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 	

First Year — Spring Semester	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 with lab, Spring	
MATH 270 Probability & Statistics#	3
Prerequisite for BIOL 380	
Total Credits	15
<ul style="list-style-type: none"> 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. 	

Second Year — Spring Semester	Cr.
COMM 200 Fund Speech & Communication*	3
SOCI 100 Intro to Sociology*#	3
BIOL 380 Research Design & Analysis#	3
Prerequisite: Successful completion (C- or better) of MATH 270 and BIOL 111 and 112 with labs	
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 (C- or better) in PHYS 211 with lab, Spring	
Total Credits	17
<ul style="list-style-type: none"> 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. 	

Third Year — Spring Semester	Cr.
History Requirement*	3
300-level PSYC#	3
BIOL 387/X JR Pre-Med Sc Sem and Writing#	1
Prerequisite: Successful completion (C- or better) of ENGL 102 or equivalent	
Molecular and Cell Elective Course#	4
See page 2 for choices	
Organismic Elective Course#	4
See page 2 for choices	
Total Credits	15
<ul style="list-style-type: none"> 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 	

Fourth Year — Spring Semester	Cr.
Elective - Any course of your choice	3
BIOL 487/Z Sr Pre-Med Sc Sem & Writing#	1
Prerequisite: Successful completion (B- or better) of BIOL 387	
Upper-Level Track Elective (3-4 cr)#	4
See page 2 for choices	
Upper-Level Track Elective (3-4 cr)#	4
See page 2 for choices	
Total Credits	12
<ul style="list-style-type: none"> 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.

Course Options for Program Track Electives

Required to take at least 23 credit hours

Organismic Elective Course	Cr.
Must select <i>one</i> of the following courses	
BIOL 336 General Microbiology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Spring	
BIOL 365 General Physiology	4
Prerequisite: Successful Completion (C- or better) BIOL 310 lecture with lab, Spring	
PEXS 300 Physiology of Exercise	3
VHS 300 Vet Parasitology & Entomology	4
Prerequisite: Successful Completion (C- or better) of BIOL 112 with lab; Junior Standing, Fall	
<ul style="list-style-type: none"> If the course has a corresponding laboratory course, the laboratory course MUST be taken Must be passed with a C- or better to progress in the program. 	

Upper-Level Track Electives	Cr.
Must select at least <i>three</i> of the following courses	
AHSC 300 Medical Terminology	3
BIOL 320 Principles of Botany	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring	
BIOL 334 General Histology	2
Prerequisite: Successful completion (C- or better) of BIOL 310, Spring	
BIOL 336 General Microbiology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Spring	
BIOL 360 Immunology	3
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall	
BIOL 365 General Physiology	4
Prerequisite: Successful completion of BIOL 310 with lab, Spring	
BIOL 370 Ecology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall	
BIOL 410 Evolution	3
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring odd years	
BIOL 411 Advanced Human Anatomy	4
Prerequisite: Successful completion (B- or better) of BIOL 311 and 312 with labs AND consent of instructor, Spring	
BIOL 442 Biochemistry II	4
Prerequisite: Successful completion (C- or better) of BIOL 441, Spring	
BIOL 450 Molecular Cell Biology	4
Prerequisite: Successful completion (C- or better) of BIOL 315 with lab and BIOL 441, Spring	
BIOL 460 Developmental Biology	3
Prerequisite: Successful completion (C- or better) of BIOL 310 with lab and BIOL 315 with lab, Spring odd years	
BIOL 483 Research in Biology (max 3)	1-3
Prerequisite: Junior standing and consent of faculty supervisor, Fall/Spring/Summer	
PEXS 300 Physiology of Exercise	3
Fall	
PEXS 372 Kinesiology and Biomechanics	3
Prerequisite: MATH, Spring	
PSYC 475 Neuropsychology	3
Prerequisite: PSYC 100, Fall	
VHS 300 Vet Parasitology & Entomology	4
Prerequisite: BIOL 112; Junior Standing, Fall	
VHS 330 One Health	3
Prerequisite: ENGL 102 and Junior Standing, Fall	
VHS 400 Zoonotic Diseases Vet/Publ. Hlth	3
Prerequisite: BIOL 112 and Junior Standing, Fall online	
<ul style="list-style-type: none"> Course cannot count for the Molecular/Cell or Organismic level and upper level If the course has a corresponding laboratory course, the laboratory course MUST be taken Must be passed with a C- or better to progress in the program. 	

Molecular and Cell Courses	Cr.
Must select <i>one</i> of the following courses	
BIOL 360 Immunology	3
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall	
BIOL 442 Biochemistry II	4
Prerequisite: Successful completion (C- or better) of BIOL 441, Spring	
BIOL 450 Molecular Cell Biology	3
Prerequisite: Successful completion (C- or better) of BIOL 315 with lab and BIOL 441, Spring	
<ul style="list-style-type: none"> If the course has a corresponding laboratory course, the laboratory course MUST be taken Must be passed with a C- or better to progress in the program. 	

Credit Hour Requirements					
In order to graduate you need to complete a minimum of 122 credit hours. At least 42 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.					
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					

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

Alternative Paths: _____
