

First Year — Fall Semester	Cr.
ENGL 101 Composition I*	3
UACT 100 Strategies for College Success*	2
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	
<b>Total Credits</b>	<b>17</b>
<ul style="list-style-type: none"> <li>You should be exploring opportunities to participate in service initiatives.</li> <li>Have you joined the Pre-Med Club?</li> </ul>	

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	
<b>Total Credits</b>	<b>17</b>
<ul style="list-style-type: none"> <li>You should be exploring opportunities to volunteer and get involved in activities on campus including leadership roles.</li> <li>Keep track of the number of 300/400 level courses you take. You need to complete at least 42 credits for graduation</li> </ul>	

Third Year — Fall Semester	Cr.
History Requirement*	3
Fine Arts Requirement*	3
ENGL 240, 250 or 260*	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	
<b>Total Credits</b>	<b>17</b>
<ul style="list-style-type: none"> <li>Make plans to prepare and take graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT)</li> <li>Start thinking about who you would like to write you a letter of recommendation</li> </ul>	

Fourth Year — Fall Semester	Cr.
LNCN 300 American Citizenship*	1
PHIL 430 Medical Ethics*#	3
Prerequisite: Successful Completion (C- or better) of ENGL 240 or 250	
Track Elective Course (3-4 cr)#	4
See page 2 for choices	
Track Elective Course (3-4 cr)#	4
See page 2 for choices	
<b>Total Credits</b>	<b>12</b>
<ul style="list-style-type: none"> <li>Submit application to graduate/professional school</li> <li>Conduct a mock interview</li> <li>Complete the Intent to Graduate form after you have registered for your spring semester</li> <li>Participate in a research project</li> </ul>	

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	
<b>Total Credits</b>	<b>15</b>
<ul style="list-style-type: none"> <li>Explore which graduate/professional school entrance exams you will need to take (e.g., DAT, GRE, MCAT, PA-CAT, OAT)</li> <li>Seek shadowing and/or volunteer opportunities during the summer.</li> </ul>	

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	
<b>Total Credits</b>	<b>17</b>
<ul style="list-style-type: none"> <li>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</li> <li>Keep track of the number of hours you are completing in volunteer experiences and shadowing.</li> </ul>	

Third Year — Spring Semester	Cr.
HIST 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	
<b>Total Credits</b>	<b>15</b>
<ul style="list-style-type: none"> <li>Explore opportunities to conduct research in your fourth year</li> <li>Schedule your graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT) date for the summer and begin studying</li> <li>Identify writers for letters of recommendation and ask them before leaving for the summer</li> </ul>	

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	
Track Elective Course (3-4 cr)#	4
See page 2 for choices	
Track Elective Course (3-4 cr)#	4
See page 2 for choices	
<b>Total Credits</b>	<b>12</b>
<ul style="list-style-type: none"> <li>Participate in a research project. Explore opportunities to present</li> <li>Explore gap year options, if applicable</li> </ul>	

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

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

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

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 <sup>st</sup> Yr. Fall					
1 <sup>st</sup> Yr. Spring					
2 <sup>nd</sup> Yr. Fall					
2 <sup>nd</sup> Yr. Spring					
3 <sup>rd</sup> Yr. Fall					
3 <sup>rd</sup> Yr. Spring					
4 <sup>th</sup> Yr. Fall					
4 <sup>th</sup> Yr. Spring					

Professional Tracking		
	Average	You
<b>Entrance exam</b>		
<b>Cumulative GPA</b>		
<b>Science GPA</b>		
<b>Shadowing hours</b>		
<b>Volunteer hours</b>		
<b>Other:</b>		
<b>Other:</b>		
<b>Other:</b>		

Alternative Paths: \_\_\_\_\_

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