

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	
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>15</b>

- You should be exploring opportunities to participate in service initiatives
- Have you joined a club? Think about pre-med or the Wildlife Society

Second Year — Fall Semester	Cr.
HIST Requirement*	3
ISYS 100 Computer Literacy*	2
MATH 270 Probability & Statistics#	3
Prerequisite for BIOL 380	
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>16</b>

- You should be exploring career opportunities and internships
- 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.
Behavior or Social Science Requirement*	3
ENGL 240 or 250*	3
BIO 311 Integrated Vert. A & P & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall	
BIOL 370 Ecology & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall	
BIOL 397/X JR Sc Sem and Writing#	1
<b>Total Credits</b>	<b>15</b>

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

Fourth Year — Fall Semester	Cr.
Behavior or Social Science Requirement*	3
CIVX 300 American Civics*	2
Track Elective Course (3-4 cr)#	4
See page 2 for choices	
Invertebrate Option#	4
BIOL 483 Research in Biology#	2
<b>Total Credits</b>	<b>15</b>

- 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

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, Spring	
MATH 150 Calculus I**	4
Prerequisite: Successful completion (C- or better) of MATH 120 or ACT sub-score of 26 or higher	
<b>Total Credits</b>	<b>16</b>

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

Second Year — Spring Semester	Cr.
HIST Requirement*	3
CHEM 222 Organic Chemistry II & Lab#	4
Prerequisite: Successful completion (C- or better) of CHEM 221 with lab, Spring	
BIOL 290 Writing in the Life Sciences#	1
Prerequisite: Successful completion (C- or better) in ENGL 102	
BIOL 315 Molecular Genetics & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 with lab	
BIOL 380 Research Design & Analysis#	3
Pre-requisite: Successful completion (C- or better) of MATH 270 and BIOL 111 and 112 with labs	
<b>Total Credits</b>	<b>15</b>

- 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)

Third Year — Spring Semester	Cr.
Fine Arts Requirement*	3
COMM 200 Fund Speech & Comm.*	3
BIOL 320 Principles of Botany & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring	
BIOL 336 General Microbiology & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Spring	
BIOL 483 Research in Biology#	2
<b>Total Credits</b>	<b>16</b>

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

Fourth Year — Spring Semester	Cr.
Elective - Any course of your choice	3
PHIL 330 or 430 Ethics option*#	3
Track Elective Course (3-4 cr)#	4
See page 2 for choices	
BIOL 410 Evolution#	3
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring odd years	
BIOL 497/X Sr Science Sem & Writing#	1
Prerequisite: Successful completion (C- or better) of BIOL 397	
<b>Total Credits</b>	<b>14</b>

- Look for opportunities to present research
- Apply to jobs in career interest, if entering the workforce

\*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

Ethics Options	Cr.
Must select <i>one</i> of the following courses	
PHIL 330 Ethics	3
PHIL 430 Medical Ethics	3
Prerequisite: Successful completion (C- or better) of ENGL 240 or 250	
<ul style="list-style-type: none"> <li>• Must be passed with a C- or better to progress in the program.</li> </ul>	

Invertebrate Options	Cr.
Must select <i>one</i> of the following courses	
BIOL 340 Invertebrate Zoology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall odd years	
BIOL 350 Entomology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall even years	
VHS 300 Vet Parasitology & Entomology	4
Prerequisite: BIOL 112; Junior Standing, Fall	
<ul style="list-style-type: none"> <li>• If the course has a corresponding laboratory course, the laboratory course MUST be taken</li> <li>• Must be passed with a C- or better to progress in the program.</li> </ul>	

Upper-Level Track Electives	Cr.
Select <i>four</i> credit hours from the following courses	
BIOL 312 Integ. Vert Anat & Phys II	4
Prerequisite: Successful completion (C- or better) of BIOL 311 with lab, Spring	
BIOL 330 Field Botany	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall	
BIOL 334 General Histology	2
Prerequisite: Successful completion (C- or better) of BIOL 311 with lab, 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 441 Biochemistry I	4
Prerequisite: Successful completion (C- or better) of BIOL 111 with lab and CHEM 221 and 222 with labs, Fall	
CBIO 330 Ichthyology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall odd years	
CBIO 340 Herpetology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring odd years	
CBIO 350 Ornithology	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring even years	
CBIO 360 Mammalogy	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall even years	
CBIO 420 Wetland Ecosystems	3
Prerequisite: Successful completion (C- or better) of BIOL 370 with lab, Fall odd years	
CBIO 430 Terrestrial Ecosystems	3
Prerequisite: Successful completion (C- or better) of BIOL 370 with lab, Spring even years	
CBIO 440 Freshwater Ecosystems	3
Prerequisite: Successful completion (C- or better) of BIOL 370 with lab, Spring odd years	
<ul style="list-style-type: none"> <li>• If the course has a corresponding laboratory course, the laboratory course MUST 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 128 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					

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