

First Year — Fall Semester _____	Cr.
CBIO 194 Pre-conservation Seminar	1
ENGL 101 Composition I*	3
UACT 100 Strategies for College Success*	1
BIOL 111 General Biology I & Lab*#	4
Prerequisite: ACT/SAT reading score of 23 placement in ENG 101 or higher, OR successful completion of BIOL 100	
SOCI or PSYC 100*#	3
CHEM 111 General Chemistry I & Lab#	4
Prerequisite: Successful completion (C- or better) in Math 105, Math 115, or Math 120 or a Math ACT of 21, Fall	
Total Credits	16

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

Second Year — Fall Semester _____	Cr.
History Requirement*	3
BIOL 224 Ethics in Life Science Research	3
Upper-Level Major Elective#	4
MATH 270 Probability & Statistics#	3
BIOL 290 Writing in the Life Sciences#	1
Total Credits	14

- 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.
Biodiversity: Invertebrate Option#	4
See page 2 for choices	
Upper-Level Major Elective#	4
See page 2 for choices	
BIOL 370 Ecology & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall	
BIOL 397/X JR Science Seminar#	1
Prerequisite: Successful completion (C- or better) of ENGL 102 or equivalent	
Total Credits	13

- Make plans to take graduate school entrance exams (e.g. GRE)
- Identify graduate programs and/or internships in the field of interest

Fourth Year — Fall Semester _____	Cr.
Biodiversity: Plant Option#	4
Biodiversity: Vertebrate Option#	4
Upper-Level Major Elective#	4
CBIO 421 Geographic Info. Systems I#	3
Prerequisite: Successful completion (C- or better) of ISYS 100, Fall even years	
BIOL 483 Research in Biology#	1
Total Credits	16

- Complete the Intent to Graduate form during your Academic Advising Meeting.
- Start applying to graduate programs and searching for jobs in field of interest

First Year — Spring Semester _____	Cr.
ENGL 102 Composition II*	3
Prerequisite for BIOL 290	
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 150 Calculus I	4
Prerequisite: Successful completion (C- or better) of MATH 120 or ACT sub-score of 26 or higher	
Total Credits	16

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

Second Year — Spring Semester _____	Cr.
History Requirement*	3
Biodiversity: Vertebrate Option#	4
See page 2 for choices	
BIOL 315 Molecular Genetics & Lab#	4
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 and CHEM 111 with labs	
BIOL 380 Research Design & Analysis#	3
Prerequisite: Successful completion (C- or better) of MATH 270, BIOL 111 and 112 with labs	
CBIO 200 Conservation Biology#	3
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring	
Total Credits	17

- Narrow down career options. Gather information on what is needed to achieve those careers, i.e. internships, experience, professional/graduate school

Third Year — Spring Semester _____	Cr.
COMM 200 Fund Speech & Comm.*	3
Fine Arts Elective*	3
Fine Arts Elective*	3
Upper-Level Major Elective#	3
See page 2 for choices	
ECON 212 or 213 Micro/Macroeconomics#	3
Total Credits	15

- Study for graduate school exams and take exams over the summer
- Apply for summer internships in field of interest or research experiences

Fourth Year — Spring Semester _____	Cr.
BIOL 410 Evolution#	3
Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring odd years	
CIVX 300 American Civics*	2
Upper-Level Major Elective#	3
CBIO 400 Conserv Bio. App. & Analy.#	3
Prerequisite: Successful completion (C- or better) of BIOL 200, 370 with labs and two biodiversity courses, Spring	
CBIO 422 Geographic Info Systems II#	3
Prerequisite: Successful completion (C- or better) of CBIO 421, Spring odd years	
BIOL 483 Research in Biology#	1
BIOL 497/Z Senior Science Seminar#	1
Total Credits	16

- 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

Biodiversity Invertebrate Options	Cr.
Must select <i>one</i> of the following courses	
BIOL 340 Invertebrate Zoology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall</small>	4
BIOL 350 Entomology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall even years</small>	4
<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. 	

Biodiversity Plant Options	Cr.
Must select <i>one</i> of the following courses	
BIOL 320 Principles of Botany <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring</small>	4
BIOL 330 Field Botany <small>Prerequisite: completion (C- or better) of BIOL 111 and 112 with labs, Fall</small>	4
<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. 	

Biodiversity Vertebrate Options	Cr.
Must select <i>two</i> of the following courses	
CBIO 330 & Lab Ichthyology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs, Fall odd years</small>	4
CBIO 340 & Lab Herpetology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs, Fall odd years</small>	4
CBIO 350 & Lab Ornithology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs, Spring even years</small>	4
CBIO 360 & Lab Mammalogy <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs, Fall even years</small>	4
<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 Major Electives	Cr.
Must select <i>18 credits</i> from the following courses	
BIOL 310 Comparative Vertebrate Anatomy <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall</small>	4
BIOL 336 General Microbiology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Spring</small>	4
BIOL 360 Immunology <small>Prerequisites: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall</small>	3
BIOL 365 General Physiology <small>Prerequisite: Successful completion (C- or better) of BIOL 310 with lab. Corequisite: BIOL 365L lab, 1 credit hour. Spring.</small>	4
BIOL 441 Biochemistry I <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 221 and 222 with labs, Fall</small>	3
BIOL 442 Biochemistry II <small>Prerequisite: Successful completion (C- or better) of BIOL 442 with lab, Spring</small>	4
BIOL 450 Molecular Cell Biology <small>Prerequisite: Successful completion (C- or better) of BIOL 315 with lab and BIOL 441, Spring</small>	4
CBIO 210 Wildlife Management <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs, Fall</small>	3
CBIO 220 Freshwater Fisheries Management <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and BIOL 112 with labs, Spring even years</small>	4
CBIO 250 Soils <small>Prerequisite: Successful completion (C- or better) of CHEM 111 with Lab, Fall odd years</small>	4
CBIO 370 Land Use & Environmental Policy <small>Prerequisite: Successful completion (C- or better) of CHEM 111 with lab, Fall odd years</small>	3
CBIO 410 Environmental Issues in Appalachia <small>Offered as needed</small>	3
CBIO 420 Wetland Ecosystems <small>Prerequisite: Successful completion (C- or better) of BIOL 370 with lab, Fall even years</small>	3
CBIO 430 Terrestrial Ecosystems <small>Prerequisite: Successful completion (C- or better) of BIOL 370 with lab, Spring even years</small>	3
CBIO 440 Freshwater Ecosystems <small>Prerequisite: Successful completion (C- or better) of BIOL 370 with lab, Spring odd years</small>	3
CHEM 221 Organic Chemistry I <small>Prerequisite: Successful completion (C- or better) of CHEM 112 with lab, Fall</small>	4
CHEM 222 Organic Chemistry II <small>Prerequisite: Successful completion (C- or better) of CHEM 222 with lab, Spring</small>	4
CHEM 230 Environmental Chemistry <small>Prerequisite: Successful completion (C- or better) of CHEM 220 with lab, Spring</small>	4
GEOG 300 Environmental Geography <small>Prerequisite: Successful completion (C- or better) of ENGL 102 and Gen Ed core curriculum, Behavioral and Social Sciences</small>	4
GEOG 440 Geography of Appalachia <small>Prerequisite: Successful completion of ENGL 102 or its equivalent</small>	3
PHYS 211 General Physics I <small>Prerequisite: Math ACT sub-score of 26 or higher, or (2) successful completion (grade of C- or better) in MATH 120 Trigonometry, or (3) successful completion (grade of C- or better) in MATH 150 Calculus I</small>	4
PHYS 212 General Physics II <small>Prerequisite: successful completion (grade of C- or better) in PHYS 211</small>	4
VHS 300 Vet. Parasitology & Entomology <small>Prerequisite: Successful completion (C- or better) of BIOL 112 with lab and Junior Standing</small>	4
VHS 310 Wildlife Diseases <small>Prerequisite BIOL 112/112</small>	3
VHS 330 One Health <small>• 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.</small>	3

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. 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					