



**Bachelor of Science in  
Conservation Biology  
Research Track (125 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 several factors

Fall Courses — First Year	Cr
ENGL 101 Composition I <sup>a</sup>	3
UACT 100 Strategies for College Success <sup>a</sup>	1
CBIO 194 Pre-conservation Seminar	1
SOCI 100 or PSYC 100 <sup>ac</sup>	3
BIOL 111 General Biology I & Lab <sup>ab</sup>	4
CHEM 111 General Chemistry I & Lab <sup>ac</sup>	4
<b>Total Credits</b>	<b>16</b>
<ul style="list-style-type: none"> <li>You should be exploring opportunities to participate in service initiatives</li> <li>Have you joined the Wildlife Society?</li> </ul>	

Spring Courses — First Year	Cr
ENGL 102 Composition II <sup>a</sup>	3
LNCN 100 Lincoln's Life & Legacy <sup>a</sup>	1
MATH 150 Calculus I <sup>ac</sup>	4
BIOL 112 General Biology II & Lab <sup>b</sup>	4
CHEM 112 General Chemistry II & Lab <sup>c</sup>	4
<b>Total Credits</b>	<b>16</b>
<ul style="list-style-type: none"> <li>Think about how you can explore career options during the summer</li> </ul>	

Fall Courses — Second Year	Cr
History Requirement <sup>a</sup>	3
Ethics, Fine Arts, or Humanities <sup>a</sup>	3
Must be two separate prefixes	
Upper-Level Track Elective (3-4 cr) <sup>b</sup>	4
See page 2 for choices	
MATH 270 Probability & Statistics <sup>c</sup>	3
BIOL 290 Writing in the Life Sciences <sup>b</sup>	1
<b>Total Credits</b>	<b>14</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>You should be exploring career opportunities and internships</li> </ul>	

Spring Courses — Second Year	Cr
COMM 200 Fund Speech & Comm. <sup>a</sup>	3
BIOL 224 Ethics in Life Science Research <sup>b</sup>	3
CBIO 200 Conservation Biology <sup>b</sup>	3
BIOL 315 Molecular Genetics & Lab <sup>b</sup>	4
BIOL 380 Research Design & Analysis <sup>#</sup>	3
<b>Total Credits</b>	<b>16</b>
<ul style="list-style-type: none"> <li>Plan out your last four semesters – think about what classes you need to prepare for your next step, i.e. entrance exam and required courses for graduate/professional school</li> </ul>	

Fall Courses — Third Year	Cr
ECON 212 or 213 Micro/Macroeconomics <sup>c</sup>	3
Biodiversity: Invertebrate Option <sup>b</sup>	4
See page 2 for choices	
Upper-Level Track Elective (3-4 cr) <sup>b</sup>	4
See page 2 for choices	
BIOL 370 Ecology & Lab <sup>b</sup>	4
BIOL 397/X Junior Science Seminar <sup>b</sup>	1
<b>Total Credits</b>	<b>16</b>
<ul style="list-style-type: none"> <li>Investigate potential summer internship opportunities</li> </ul>	

Spring Courses — Third Year	Cr
History Requirement <sup>a</sup>	3
Ethics, Fine Arts, or Humanities <sup>a</sup>	3
Must be two separate prefixes	
Upper-Level Track Elective (3-4 cr) <sup>b</sup>	4
See page 2 for choices	
BIOL 483 Research in Biology <sup>b</sup>	1
Biodiversity: Vertebrate Option <sup>b</sup>	4
See page 2 for choices	
<b>Total Credits</b>	<b>15</b>
<ul style="list-style-type: none"> <li>If applicable, 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 and apply for summer internships or other opportunities</li> </ul>	

Fall Courses — Fourth Year	Cr
Biodiversity: Plant Option <sup>b</sup>	4
Biodiversity: Vertebrate Option <sup>b</sup>	4
See page 2 for choices	
Upper-Level Track Electives (3-4 cr) <sup>b</sup>	4
See page 2 for choices	
CBIO 421 Geographic Info. Systems I <sup>b</sup>	3
BIOL 483 Research in Biology <sup>b</sup>	1
<b>Total Credits</b>	<b>16</b>
<ul style="list-style-type: none"> <li>Complete the Intent to Graduate form during your Academic Advising Meeting.</li> <li>If applicable, submit application to graduate/professional school</li> </ul>	

Spring Courses — Fourth Year	Cr
CIVX 300 American Civics <sup>a</sup>	2
BIOL 410 Evolution <sup>#</sup>	3
Upper-Level Track Electives (3-4 cr) <sup>b</sup>	3
See page 2 for choices	
CBIO 400 Conserv Bio. App. & Analy. <sup>b</sup>	4
CBIO 422 Geographic Info Systems II <sup>b</sup>	3
BIOL 497/Z Senior Science Seminar <sup>b</sup>	1
<b>Total Credits</b>	<b>16</b>
<ul style="list-style-type: none"> <li>Explore opportunities to present research</li> <li>Identify and apply for jobs</li> </ul>	

**a: LMU Core Curriculum Requirement:** See LMU undergraduate catalog for details

**b: Major-Specific Requirement:** These courses must be passed with at least a C- or better to progress in the program.

**c: Major Collateral Requirement:** These courses must be passed with at least a C- or better to progress in the program.

See LMU catalog for specific pre-requisite and grade requirements.

## Course Options for Program Track Electives

*If the course has a corresponding laboratory course, the laboratory course **MUST** be taken*

<b>Biodiversity Vertebrate Options</b>	<b>Cr.</b>
<small>Must select two of the following courses</small>	
CBIO 330 Ichthyology	4
CBIO 340 Herpetology	4
CBIO 350 Ornithology	4
CBIO 360 Mammalogy	4

<b>Biodiversity Invertebrate Options</b>	<b>Cr.</b>
<small>Must select one of the following courses</small>	
BIOL 340 Invertebrate Zoology	4
BIOL 350 Entomology	4

<b>Upper-Level Track Electives</b>	<b>Cr.</b>
<small>Must select 18 cr hr from the following courses</small>	
BIOL 310 Comp. Human & Vert. Anatomy	4
BIOL 336 General Microbiology	4
BIOL 360 Immunology	3
BIOL 365 General Physiology	4
BIOL 441 Biochemistry I	4
BIOL 442 Biochemistry II	3-4
BIOL 450 Molecular Cell Biology	3
CBIO 210 Wildlife Management	3
CBIO 220 Freshwater Fisheries Management	4
CBIO 250 Soils	4
CBIO 370 Land Use & Env. Policy	3
CBIO 420 Wetland Ecosystems	3
CBIO 430 Terrestrial Ecosystems	3
CBIO 440 Freshwater Ecosystems	3
CHEM 221 Organic Chemistry I	4
CHEM 222 Organic Chemistry II	4
GEOG 300 Environmental Geography	3
GEOG 440 Geography of Appalachia	3
PHYS 211 General Physics I	4
PHYS 212 General Physics II	4
VHS 300 Vet. Parasitology & Entomology	4
VHS 310 Wildlife Diseases	3
VHS 330 One Health	3

<b>Biodiversity Plant Options</b>	<b>Cr.</b>
<small>Must select one of the following courses</small>	
BIOL 320 Principles of Botany	4
BIOL 330 Field Botany	4

### Credit Hour Requirements

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 <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