

College of Mathematics, Sciences & Health Professions

Bachelor of Science in Biology Secondary Education (123 Cr.) Four-Year Curriculum Plan



Fall Courses — First Year	Cr		
UACT 100 Strategies for College Success [*]	1		
LNCN 100 Lincoln's Life & Legacy [*]	1		
BIOL 111 General Biology I & Lab ^{*#} Prerequisite: Placement in ENGL 101, or ACT/SAT reading/verbal score of 23	4		
ENGL 101 Composition I [*]	3		
CHEM 111 General Chemistry I & Lab [#] Prerequisite: Math ACT of 21 or higher or MATH105, 115, or 120	4		
MATH 120 Trigonometry [#]	3		
Total Credits	16		
 You should be exploring opportunities to participate in service initiatives. 			

Fall Courses — Second Year Cr EDUC 210 Instr. Tech & Learning Res.[#] 2 PSYC 221 Childhood & Adolescent Devel.** 3 BIOL 380 Research Design & Analysis[#] 3 Pre-requisite: MATH 270 and BIOL 111 and 112 with labs BIOL 290 Writing in the Life Sciences[#] 1 Prerequisite: ENGL 102 COMM 200 Fund Speech & Comm* 3 3 HIST Requirement* **Total Credits** 15 • Keep track of the number of 300/400 level courses you take. You need to complete

 Reep track of the number of 300/400 level courses yo at least 36 credits for graduation

Fall Courses — Third Year	Cr
EDUC 360 Sec. Inst. Methods & Strat. [#]	3
PSYC 370 Educational Psychology [#] Prerequisite: PSYC 221	3
Ethics (BIOL 224, PHIL 330 or PHIL 430) **	3
BIOL 370 Ecology & Lab [#] Prerequisite: BIOL 111 and 112 with labs	4
PHYS 100/L or PHYS 211/L [#]	4

Begin preparation for taking the PRAXIS

Total Credits 17

Fall Courses — Fourth Year			
EDUC 380 Literacy in Secondary Education [#]	2		
EDUC 480 Pre-Clinical Experience [#]	2		
BIO 310 Comparative Vert. Anat Lab [#] Prerequisite: BIOL 111 and 112 with labs and CHEM 111 and 112 with labs	4		
Evolution and Ecology Elective [#]	4		
BIOL 497/Z Sr Science Sem & Writing [#]	1		
Total Credits	13		

Spring Courses — First Year	Cr
EDUC 290 The Teaching Profession [#]	3
BIOL 112 General Biology II & Lab ^{*#}	4
Prerequisite: BIOL 111 with lab	
ENGL 102 Composition II [*]	3
CHEM 112 General Chemistry II & Lab [#]	4
Prerequisite: CHEM 111 and lab	
MATH 270 Probability and Stats [#]	3
Total Credits	17

While enrolled in EDUC 290 students will apply for admission to the teacher licensure
program

Spring Courses — Second Year			
SPED 320 Differentiated Instruction [#]	3		
Ethics, Fine Arts, History or Humanities Req. [*]	3		
BIOL 315 Molecular Genetics & Lab [#] Prerequisite: BIOL 111 and 112 with labs and CHEM 111 with lab	4		
CBIO 200 Conservation Biology# Prerequisite: BIOL 111 and 112 with labs	3		
BIOL 397/X JR Sc Sem and Writing [#]	1		
HIST Requirement*			
Total Credits	17		

Spring Courses — Third Year	Cr			
EDUC 370 Measurement and Evaluation [#]	2			
STEM 460 Secondary Math & Science				
Instruction #				
Prerequisite: MATH 150 and both natural sciences				
EDUC 390 Diversity in Today's Class [#]	2			
BIOL 410 Evolution [#]	3			
Prerequisite: BIOL 111 and 112 with labs				
CIVX 300 American Citizenship [*]	2			
Cellular and Organismal Elective [#]	4			
Total Credits	16			

Spring Courses — Fourth Year	Cr
EDUC 497 Enhanced Clinical Practice [#]	9
EDUC 497F Enhanced Clinical Practice	3
Seminar [#]	

Total Credits 12

Prerequisites require successful completion (C- of better) of course(s) listed

*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.



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Clinical Hours Tracker	Required	Completed
SPED 320 Characteristics and Comm. of Students with Severe Disabilities	10 hours	
EDUC 290 The Teaching Profession	10 hours	
EDUC 360 Secondary Instructional Methods & Strategies	30 hours	
EDUC 370 Measurement and Evaluation	20 hours	
EDUC 380 Literacy Across Secondary Curricula	30 hours	
EDUC 480 Pre-Clinical Experience	50 hours	

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

Evolution and Ecology Competency Elective					
Must select 4 credits from the following courses. If there is a correspon students must take the lab.	ding lab,				
BIOL 350 Entomology	4				
BIOL 460 Development Biology	3				
BIOL 483 Research in Biology	1				
CBIO 330 Ichthyology	4				
CBIO 340 Herpetology	4				
CBIO 350 Ornithology	4				
CBIO 360 Mammalogy	4				
CBIO 420 Wetland Ecosystems	3				
CBIO 430 Terrestrial Ecosystems	3				
CBIO 440 Freshwater Aquatic Eco.	3				

Cellular and Organismal Competency Elective			
Must select one of the following courses and lab			
BIOL 320 Principles or Botany	4		
BIOL 336 General Microbiology	4		
BIOL 340 Invertebrate Zoology	4		
BIOL 365 General Physiology	4		



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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.

	Useful Contacts					
Tit	le	Name	Email	Phone number		
Chai Departr of Biol	nent	Dr. Barbara Shock	Barbara.Shock@lmunet.edu	423.869.7180		
Direct Under Educa	grad	Dr. Chessica Cave	Chessica.Cave@Imunet.edu	423.869.6478		
Acado Supp Assista Educa	ort nt for	Cathy Dunn	Cathy.Dunn@lmunet.edu	423.869.2542		
Acado Suppo Tuto	ort &	Tagge Center	Taggecenter@Imunet.edu	423.869.6310		
Stud Couns		Jessica Parker	Jessica.Parker@Imunet.edu	423.869.6277		
Care Serv		Tanya Vincent	Tanya.Vincent@Imunet.edu	423.869.6679		
Stud Succ Coordi	ess	Gerald Branham	Gerald.Branham@Imunet.edu	423.489.7251		

	# of credit hours				
Semester	Current semester	300/400	Total Earned (Add all semesters)	Total 300/400 (Add all semesters)	Cumulative GPA
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					