



College of Mathematics,  
Sciences & Health Professions

LINCOLN MEMORIAL UNIVERSITY

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



Carter & Moyers School of Education  
LINCOLN MEMORIAL UNIVERSITY

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*#	4
<small>Prerequisite: Placement in ENGL 101, or ACT/SAT reading/verbal score of 23</small>	
ENGL 101 Composition I*	3
CHEM 111 General Chemistry I & Lab#	4
<small>Prerequisite: Math ACT of 21 or higher or MATH105, 115, or 120</small>	
MATH 120 Trigonometry#	3
<b>Total Credits</b>	<b>16</b>

• You should be exploring opportunities to participate in service initiatives.

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

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

Fall Courses — Second Year	Cr
EDUC 210 Instr. Tech & Learning Res.#	2
PSYC 221 Childhood & Adolescent Devel.*#	3
BIOL 380 Research Design & Analysis#	3
<small>Pre-requisite: MATH 270 and BIOL 111 and 112 with labs</small>	
BIOL 290 Writing in the Life Sciences#	1
<small>Prerequisite: ENGL 102</small>	
COMM 200 Fund Speech & Comm*	3
HIST Requirement*	3
<b>Total Credits</b>	<b>15</b>

• Keep track of the number of 300/400 level courses you take. You need to complete at least 36 credits for graduation

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

Fall Courses — Third Year	Cr
EDUC 360 Sec. Inst. Methods & Strat.#	3
PSYC 370 Educational Psychology#	3
<small>Prerequisite: PSYC 221</small>	
Ethics (BIOL 224, PHIL 330 or PHIL 430)*#	3
BIOL 370 Ecology & Lab#	4
<small>Prerequisite: BIOL 111 and 112 with labs</small>	
PHYS 100/L or PHYS 211/L#	4
<b>Total Credits</b>	<b>17</b>

• Begin preparation for taking the PRAXIS

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

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

Spring Courses — Fourth Year	Cr
EDUC 497 Enhanced Clinical Practice#	9
EDUC 497F Enhanced Clinical Practice Seminar#	3
<b>Total Credits</b>	<b>12</b>

Prerequisites require successful completion (C- or 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.



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	Cr.
<i>Must select 4 credits from the following courses. If there is a corresponding lab, students must take the lab.</i>	
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	Cr.
<i>Must select one of the following courses and lab</i>	
BIOL 320 Principles or Botany	4
BIOL 336 General Microbiology	4
BIOL 340 Invertebrate Zoology	4
BIOL 365 General Physiology	4

Useful Contacts			
Title	Name	Email	Phone number
Chair, Department of Biology	Dr. Barbara Shock	<a href="mailto:Barbara.Shock@lmunet.edu">Barbara.Shock@lmunet.edu</a>	423.869.7180
Director of Undergrad Education	Dr. Chessica Cave	<a href="mailto:Chessica.Cave@lmunet.edu">Chessica.Cave@lmunet.edu</a>	423.869.6478
Academic Support Assistant for Education	Cathy Dunn	<a href="mailto:Cathy.Dunn@lmunet.edu">Cathy.Dunn@lmunet.edu</a>	423.869.2542
Academic Support & Tutoring	Tagge Center	<a href="mailto:Taggecenter@lmunet.edu">Taggecenter@lmunet.edu</a>	423.869.6310
Student Counseling	Jessica Parker	<a href="mailto:Jessica.Parker@lmunet.edu">Jessica.Parker@lmunet.edu</a>	423.869.6277
Career Service	Tanya Vincent	<a href="mailto:Tanya.Vincent@lmunet.edu">Tanya.Vincent@lmunet.edu</a>	423.869.6679
Student Success Coordinator	Gerald Branham	<a href="mailto:Gerald.Branham@lmunet.edu">Gerald.Branham@lmunet.edu</a>	423.489.7251

Credit Hour Requirements					
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					

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.