



School of Education  
**Life Science**  
 Program Outline  
 For Students Entering 2019-2020 Academic Year

Name \_\_\_\_\_ ID# \_\_\_\_\_ Advisor \_\_\_\_\_

Course #	Course Title	Hours	Advising Notes
<b>Required Courses:</b>			
BIO 121	Principles of Biology I	4	
BIO 122	Principles of Biology II	4	
BIO 221	General Zoology	3	
BIO 222	General Botany	3	
CHM 111	General Chemistry I	4	
CHM 112	General Chemistry II	4	
CHM 115	General Chemistry Lab	1	
BIO 163	Freshman Biology Seminar	0.5	
BIO 211	Genetics	4	
BIO 212	Microbiology	4	
BIO 263	Sophomore Biology Seminar	1	
BIO 363	Biology Seminar	0	
BIO 463	Senior Biology Seminar	1	
GEO 121I	Physical Geography	4	
PHY 131 & PHY 151 <b>OR</b> PHY 145	General Physics I & Introduction to Physics Lab <b>OR</b> Applied College Physics I	5	
PHY 132 & PHY 152 <b>OR</b> PHY 146	General Physics II & Introductory Physics Lab II <b>OR</b> Applied College Physics II	5	
<b>Choose ONE of the following courses:</b>			
BIO 330	Gross Anatomy	4	
BIO 332	Histology	3	
BIO 333	Human Physiology	4	
BIO 337	Plant Physiology	4	
<b>Choose ONE of the following courses:</b>			
BIO 314	Molecular Ecology	4	
BIO 331	Developmental Biology	4	
BIO 336	Molecular Biology	4	Strongly Recommended
BIO 341	Immunology	4	
<b>Choose ONE of the following courses:</b>			
BIO 308	Evolution of Animal Behavior	4	
BIO 309	Vertebrate Natural History	4	
BIO 310	Evolution	4	Strongly Recommended
BIO 313	Ecology	4	
BIO 322	Plant Evolution	4	
BIO 334	Invertebrate Natural History	4	
<b>Choose SIX (6) credits of Biology Electives:</b> <i>Select any BIO course except those designated for non-biology majors</i>			
BIO ____		3-4	
BIO ____		3-4	
<b>Additional Teaching Field Requirements:</b> <i>Must meet all EDU requirements, including GPA and prerequisite coursework requirements before taking methods</i>			
EDU 356	Special Methods: Science	3	Only offered in Fall semester