

College of the Environment, Forestry, and Natural Sciences  
 Secondary Education - Biology Bachelor of Science in Education

2022-2023 Undergraduate Catalog

Progression Plan-Classic

Sample Progression Plans are for planning purposes  
 only; see the catalog for official details.

Year 1 - Fall	
BIO 181 Unity Of Life I: Life Of The Cell	3
BIO 181L Unity Of Life I Laboratory	1
CHM 151 General Chemistry I	4
CHM 151L General Chemistry I Lab	1
MAT 125 or MAT 136	4
TSM 101 Step 1: Supervised Practicum Through Inquiry Approaches to Teaching	2
<b>Initiate the Professional Education Program application.</b>	
<b>BIO 181/L can be completed before, during the same term, or after BIO 182/L.</b>	

Year 1 - Spring	
BIO 182 Unity Of Life II: Lives Of Multicellular Organisms	3
BIO 182L Unity Of Life II Laboratory	1
CHM 152 General Chemistry II	3
CHM 152L General Chemistry II Lab	1
Foundation English	4
Liberal Studies and/or Diversity	3

Year 2 - Fall	
BIO 240 Genetics And Evolution	3
PHY 111 General Physics I	4
TSM 201 Step 2: Supervised Practicum Through Inquiry-Based Lesson Design	3
CHM 230 Fundamental Organic Chemistry	3
CHM 230L Fundamental Organic Chemistry Lab	1
STA 270 Applied Statistics	3

Year 2 - Spring	
BIO 344 Cellular And Molecular Biology	3
BIO 205, BIO 226, or BIO 325	3
BIO 205L, BIO 226L, or BIO 325L	1
TSM 303W Knowing and Learning In Science and Science Teaching	3
BIO 244 (Secondary Education - Biology major elective)	3
Liberal Studies and/or Diversity	3
<b>Complete Professional Education Program admission requirements.</b>	

Year 3 - Fall	
BIO 201 or BIO 325	3
BIO 201L or BIO 325L	1
BIO 365W Writing In The Biological Sciences	3
Botany Elective	3
ESE 330 Principles and Strategies for Teaching Adolescents with Exceptionalities	3
TSM 350 Classroom Interactions	3

Year 3 - Spring	
TSM 450 Project-Based Instruction	3
BME 437 Structured English Immersion Methods For Secondary School	3
GLG 101 Physical Geology	3
GLG 103L Physical Geology Lab	1
Secondary Education - Biology major elective	3
Liberal Studies and/or Diversity	3
<b>Attempt AEPA Biology Subject Knowledge Test. Submit Student Teaching application.</b>	

Year 4 - Fall	
BIO 435C Advanced Evolutionary Theory	3
TSM 360 Perspectives On Science	3
Secondary Education - Biology major elective	3
Secondary Education - Biology major elective	3
Liberal Studies and/or Diversity	3

Year 4 - Spring	
TSM 495C Supervised Student Teaching Experience: Secondary Math Or Science	12
TSM 496 Supervised Student Teaching Experience: Secondary Mathematics Or Science Seminar	1