

Student: \_\_\_\_\_  
 ID #: \_\_\_\_\_ Major: \_\_\_\_\_



**BIOLOGY EDUCATION  
 EARLY ADOLESCENCE/ADOLESCENCE (EA/A)**

**POST-BACCALAUREATE  
 CERTIFICATION**

Credits required: 57 Biology + 26 Education + 4-13 Student Teaching

Academic Year 2020-2021

Course Code	Course Title	Credits	Gr	Cr	Tm
	<b>PROFESSIONAL EDUCATION REQUIREMENTS:</b>				
EDU 303/502	Literacy in Content Areas (fieldwork)	3			
EDU 321	Psychology Applied to Teaching	3			
EDU 321P	Practicum in Educational Psychology (EC/MC/EA)	1			
EDU 322	Instructional Methods	3			
EDU 322P	Practicum in Instructional Methods	1			
EDU 324	Instructional Methods: Subject	3			
EDU 401	Student Teaching Seminar	1			
EDU 482 or EDU 489	Student Teaching in Secondary School or Student Teaching in Middle School	3-12			
EDU 700	Diversity Among Learners	3			
EDU 701	Child and Adolescent Development	3			
EDU 703	Exceptional Learners	3			
EDU 715	Seminar: Policy Issues in Education	3			
	<b>MAJOR COURSES REQUIRED:</b>				
BIO 100	Introduction to Cell and Molecular Biology	4			
BIO 102	Introduction to Ecology and Evolutionary Biology	4			
BIO 218	Biodiversity	4			
BIO 337	Genetics	4			
BIO 494	Biology Seminar	1			
MAT 216	Elementary Statistics	4			
CHE 113	General Chemistry I	4			
CHE 114	General Chemistry II	4			
	<b>Choose 1 of the following courses:</b>				
BIO 442	Advanced Microbiology	4			
BIO 448	Animal Behavior	4			
BIO 457	Ecology	4			
	<b>Choose 15-16 credits with at least 8 at the 300-400 level:</b>				
BIO 211	Human Anatomy	4			
BIO 212	Human Physiology	4			
BIO 215	Botany	4			
BIO 216	Environmental Science	3			
BIO 218	Biodiversity	4			
BIO 220	Contemporary Environmental Issues	3			
BIO 256	Developmental Biology	4			

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BIO 325	Microbiology	4			
BIO 442	Advanced Microbiology	4			
BIO 448	Animal Behavior	4			
BIO 457	Ecology	4			
	<b>Choose 8 elective credits from the following:</b>				
CHE 206	Organic and Biochemistry	4			
CHE 216	Environmental Science	3			
CHE 222	Instrumental Quantitative Analysis	4			
CHE 333	Organic Chemistry I	4			
CHE 334	Organic Chemistry II	4			
CHE 352	Biochemistry	3			