

Student: _____
 ID #: _____ Major: _____

**SCIENCE EDUCATION
 MIDDLE/HIGH SCHOOL (GRADES 4-12)**

POST-BACCALAUREATE CERTIFICATE

Credits required: 52 Science +
 27 Education +
 4-13 Student Teaching

Academic Year 2023-2024

Course Code	Course Title	Credits	Gr	Cr	Tm
PROFESSIONAL EDUCATION REQUIREMENTS:					
PSY 214	Developmental Psychology	4			
EDU 303/502	Literacy in the Content Areas [includes fieldwork]	3			
EDU 321	Teaching and Learning	3			
EDU 321P	Practicum in Teaching and Learning	1			
EDU 322	Instructional Methods: General	3			
EDU 322P	Practicum in Instructional Methods	1			
EDU 324	Instructional Methods: Subject [includes fieldwork]	3			
EDU 401	Student Teaching Seminar	1			
EDU 405/703	Exceptional Learners	3			
EDU 482 or EDU 489	Student Teaching in High School or Student Teaching in Middle School	3-12			
EDU 700	Diversity Among Learners	3			
EDU 715	Policy Issues in Education	3			
CONTENT COURSES REQUIRED:					
LIFE SCIENCES					
BIO 100	Introduction to Cell and Molecular Biology (includes lab)	4			
BIO 250	Cell Biology	3			
Minimum of 8 additional Biology credits at 200 level or above		8			
PHYSICAL SCIENCES					
PHY 201	General Physics I (includes lab)	4			
PHY 202	General Physics II (includes lab)	4			
CHE 113	General Chemistry I (includes lab)	4			
CHE 114	General Chemistry II (includes lab)	4			
Minimum of 8 additional Chemistry credits at 200 level or above, excluding CHE 206		8			
EARTH AND SPACE SCIENCES					
PHY 210	Earth and Space	3			
ENVIRONMENTAL SCIENCE - Minimum of 3 credits of Environmental Science from the following courses:					
BIO 102 or BIO 216	Intro. to Ecology and Evolutionary Biology (includes lab) or Environmental Science (includes lab)	3			

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SCIENCE AND ENGINEERING PRACTICES					
UXD 210	Research for UX (User Experience Design)	3			
MATHEMATICS					
MAT 216	Statistics	4			