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	Psychology Applied to Teaching	3			
EDU 321P	Practicum in Psychology Applied to Teaching	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			
MAJOR 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:					
BIO102	Introduction to Ecology and Evolutionary Biology (includes lab)	3			
BIO 216	Environmental Science (includes lab)	3			

BIO 217	Waters of Life: Limnology	3			
SCIENCE AND ENGINEERING PRACTICES					
UXD 210	Research for UX (User Experience Design)	3			
MATHEMATICS					
MAT 216	Statistics	4			