Curriculum for Science Education

Upon completion of this program of study, graduates will be prepared to: design science lessons to meet the interest, knowledge, and abilities of all students; recognize and respond to student diversity and encourage all students to participate fully in science; encourage and model the skills of scientific inquiry; provide a safe environment within which students are able to engage in meaningful investigations; and, use various technologies to enhance learning.

Curriculum for Bachelor's Degree in Science Education, Earth Science / Physical Science and General Science		
First Year		
First Semester		
01-101	English Composition I	3
12-191	University Seminar I	1
61-100	Lifetime Fitness and Wellness	2
23-101	General Biology	3
25-121	College Algebra	3
XX-101	Elementary Foreign Language I	3
		16
Second Semester		
01-102	English Composition II	3
12-112	Instructional Technology in Education	3
12-192	University Seminar II	1
23-102	General Biology II	4
25-122	Trigonometry	3
XX-102	Elementary Foreign Language II	3
	Required to *take* PPST/PRAXIS	**17**
Second Year		

First Semester		
01-201 or 205	World Literature I or African-American Literature I	3
24-101	General and Elementary Analytical Chemistry I	4
26-111	Introduction to Physics I	4
27-101	Geology	4
32-201	World Regional Geography	3
		18
Second Semester		
01-202 or 206	World Literature II or African-American Literature II	3
12-204	Philosophical Foundations of Education	3
23-205	Ecology	4
24-102	General and Elementary Analytical Chemistry II	4
26-112	Introduction to Physics II	4
	Required to *pass* PPST/PRAXIS	**18**
	Third Year	
First Semester		
01-200	Speech	3
03-202	Ethics	3
12-313	Introduction to Educating Children with Exceptional Learning Needs	3
12-322	Teaching Reading in the Secondary School	3
34-201	American Civilization to 1865	3
49-321	Meteorology	3
		18
Second Semester		
12-210	Methods of Teaching Middle and High School Science	3
12-318 or 31-395	Multicultural Education or Global Societies	3

22-101	Descriptive Astronomy	3
30-313	Limnology	3
36-201	Introduction to General Psychology	3
36-316	Developmental Psychology	3
		18

	Fourth Year	
First Semester		
12-357	Effective Teaching Skills & Classroom Management	3
12-416	Analysis of Student Teaching	1
23-XXX	Chemistry Elective	4
26-XXX	Physics Elective	3
30-202	Microclimatology	3
30-452	Environmental Education Workshop	3
		18
Second Semester		
12-400	Preservice / Student Teaching and Senior Seminar (Senior Capstone)	12
		12

Total credits 135

NOTE: ***See Advisor For Curriculum Updating***

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