

**Bachelor of Science in Physical Science Composite – Teacher Education Emphasis
Worksheet & Pre-Requisites —2017-18**

Course #	Course title	CR	Offered	Pre-Requisites
Required Courses				
*CHEM 1220/1225	Principles of Chemistry II/Lab	4/1	S/Su	CHEM 1210/15
CHEM 2010	Chemical Lab Safety	1	F-odd	CHEM 1210/15
CHEM 2310/2315	Organic Chemistry I/Lab	4/1	F/Su	CHEM 1220/25
CHEM 2320/2325	Organic Chemistry II/Lab	4/1	S/Su	CHEM 2310/15
CHEM 3000/3005	Quantitative Analysis/Lab	3/1	F	CHEM 1220/25
CHEM 3700	Environmental Chemistry	3	F	CHEM 1220/25
GEOG 3220/3225	Weather & Climate/Lab	3/1	As needed	
GEO 1110/1115	Physical Geology/Lab	3/1	F/S	
GEO 1220/1225	Historical Geology/Lab	3/1	S	GEO 1110/1115
GEO 3210/3215	Mineralogy/Lab	3/1	F	GEO 1110/1115, CHEM 1210/1215
MATH 1220	Calculus II	4	F/S	MATH 1210 with C or better
PHYS 1040/1045	Elementary Astronomy/Lab	3/1	F/S	
PHYS 2210/2215	Physics for Scientists & Engineers/Lab	4/1	F/S	MATH 1210
PHYS 2220/2225	Physics for Scientists & Engineers/Lab	4/1	F/S	PHYS 2210/15, MATH 1220
PHYS 3310	Quantum Physics I	3	As needed	PHYS 2210/15
PSCI 4900	Teaching Science in Secondary Schools	2	S	
PSCI 4980	Student Teaching in Physical Science	2		
Plus 4 credits from:				
GEO 3010/3015	Environmental Geology/Lab	3/1	S-odd	Admission to Geo Program (#)
GEO 3110/3115	Paleontology/Lab	3/1	S-even	GEO 1220/1225 #
GEO 3170/3175	Oceanography/Lab	3/1	S-odd	GEO 1110/1115 #
GEO 3410/3415	Sedimentology & Stratigraphy/Lab	3/1	F-odd	GEO 1220/1225 #
GEO 3510/3515	Structural Geology/Lab	3/1	F-even	PHYS 2210/2215, GEO 1220/1225 #
GEO 4000 (2 credits max)	Selected Field Trips	.5-3	F/S	
GEO 4070	Applied Geochemistry	3	S-odd	GEO 1110 GEO 3210, CHEM 1220
Secondary ED Licensure		37		
FOUNDATION COURSES				
MATH 1050	College Algebra	4	F/S/Su	"C" in MATH 1010 or Act of 23
MATH 1060	Trigonometry	3	F/S/Su	"C" in MATH 1010 or Act of 23
EDGE 1010	Becoming an Engaged Learner	1	F/S/Su	
EDGE 30XX	Project Proposal and Planning	1	F/S/Su	EDGE 1010
EDGE 40XX	Project Reporting and Reflection	1	F/S/Su	EDGE 30XX
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3	F/S/Su	
ENGL 2010	Intermediate Writing	3	F/S/Su	ENGL 1010 or ACT of 29+
*MATH 1210	Calculus I	4	F/S/Su	MATH 1050 & 1060
American Institution		3	F/S/Su	
LM 1010	Information Literacy	1	F/S/Su	
CSIS 1000	Intro to Computer Applications	3	F/S/Su	
FINE ARTS:		3	F/S/Su	
HUMANITIES		3	F/S/Su	
SOC SCIENCE		3	F/S	
LIFE SCIENCE		3/1	F/S	
*PS: CHEM 1210/1215	Principles of Chemistry I/Lab	4/1	F/S	MATH 1050