

**Bachelor of Science in Geology – Professional Emphasis
Worksheet & Pre-Requisites —2017-18**

Course #	Course title	CR	Offered	Pre-Requisites
Required Courses				
*GEO 1110/1115	Physical Geology/Lab	3/1	F/S	
GEO 1220/1225	Historical Geology/Lab	3/1	S	GEO 1110/1115
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 3120	Tectonics	3	F-odd	GEO 1110/1115 #
GEO 3210/3215	Mineralogy/Lab	3/1	F	GEO 1110/1115, CHEM 1210/1215 #
GEO 3330/3335	Igneous-Metamorphic Petrology/Lab	3/1	S-even	GEO 3210/3215, MATH 1210 #
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 (must get 2 credits)	Selected Field Trips	.5-3	F/S	
GEO 4800	Senior Project	3	F/S	Instructor Permission #
GEO 4960	Field Geology	6	Su	GEO 3410/3415, GEO 3510/3515 #
GEO 4990	Seminar in Geology	1	S	Instructor Permission #
*CHEM 1210/1215	Principles of Chemistry I/Lab	4/1	F/S	MATH 1050
CHEM 1220/1225	Principles of Chemistry II/Lab	4/1	S/Su	CHEM 1210/15
GEOG 3550/3555	Principles of GIS/Lab	3/1	F	CSIS 1000
GEOG 4150	Advanced GIS Analysis Methods Lab	3	S	GEOG 3550
GEOG 4070	Applied Geochemistry	3	S-odd	GEO1110, 3210, CHEM 1220 & Labs
MATH 1220	Calculus II	4	F/S	MATH 1210
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
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/Su	
LIFE SCIENCE		4	F/S	
PHYSICAL SCIENCE	CHEM 1210/1215	5	F/S	MATH 1050

***Must complete GEO 1110/1115, CHEM 1210/1215, MATH 1050 & 1060 with a grade of C or better to be Admitted into Geology Program. #**

No pre-geology students may enroll in courses with numbers greater than 2999 without formally declaring themselves geology majors and completing the above courses with a grade of "C" (2.0) or better.