

PROGRAM COURSE CHECKLIST**B. S. ENVIRONMENTAL, GEOGRAPHICAL & GEOLOGICAL SCIENCES: PROFESSIONAL GEOLOGY**

Total of 58+ Credits		Credits	Semester Taken
Core Requirements (13 credits)			
EGGS 100	Environmental Science	3	
EGGS 120	Physical Geology	4	
EGGS 150	Quantitative Methods in Earth Science*	3	
EGGS 242	Map Use and Analysis	3	
Science Requirements (8+ credits)			
CHEM 115	Chemistry for the Sciences 1*	4	
CHEM 116	Chemistry for the Sciences 2	4	
PHYSICS 201 or 211	Introductory Physics 1* or General Physics 1*	4	
PHYSICS 202 or 212	Introductory Physics 2 or General Physics 2 or EGGS 480 Applied Geophysics	4	
Choose 1			
MATH 123	Essentials of Calculus*	3	
MATH 126	Calculus 2 (Recommended for graduate school)	4	
MATH 185 or higher	Discrete Math or above	4	
Degree Requirements (31+ credits)			
EGGS 130	Historical Geology	4	
EGGS 261	Mineralogy	4	
EGGS 262	Petrology	4	
EGGS 265	Geomorphology	4	
EGGS 365	Introduction to Paleontology	4	
EGGS 368	Stratigraphy and Sedimentation	4	
EGGS 369	Structural Geology	4	
EGGS 451	Field Techniques in Earth Science	4+	
Degree Electives: Choose at least 2 (6+ credits)			
EGGS 320	Remote Sensing	3	
EGGS 330	Special Topics in Field Geology	3	
EGGS 360	Principles of GIS 1 (Recommended)	3	
EGGS 390	Any approved Special Topics course**	3-4	
EGGS 420	Planetary Science	4	
EGGS 460	Aqueous Geochemistry	4	
EGGS 461	Mineral Resources	3	
EGGS 463	Petroleum Geology	3	
EGGS 470	Groundwater Hydrology (Recommended)	4	
EGGS 475	Independent Study	3	
EGGS 480	Applied Geophysics	4	
EGGS 493	Senior Research in EGGs	3	
EGGS 496	Internship	3+	

*Counts as General Education Credit

**The subject matter of this course varies, so the specific course must be approved by the department chair prior to registration to ensure that the course will be counted toward the major.