

Name: _____ Bronco ID: _____ Date: _____

Earth Science Subject Matter Preparation Program
Single Subject Science Preparation Programs: Geology Concentration

Need	Met	Course	Title	Units	Grade
		BIO 1210/L	Foundations of Biology: Energy and Matter and Information & Lab	3/1	
		BIO 1220/L	Foundations of Biology: Evolution, Ecology, and Biodiversity & Lab	3/1	
		CHM 1210/L	General Chemistry I & Lab	3/1	
		CHM 1220/L	General Chemistry II & Lab	3/1	
		GSC 1110/1410L	Principles of Geology & Lab	3/1	
		GSC 1160	Introduction to Astronomy	3	
		GSC 3500	Natural Disasters	3	
		PHY 1210/L (or 1510/L)	Physics of Motion, Fluids, and Heat & Lab	3/1	
		PHY 1220L (or 1520/L)	Physics of Electromagnetism, Circuits, and Light & Lab	3/1	
		SCI 2000, 2990, 4000, or 4990	Service Learning K-12 Field Experience (or in a department with permission)	2	
		SCI 4610 or department equivalent	Senior Research	3	
		SCI 4620	Senior Seminar	3	
		IGE 2300 and IGE 2400 or STS 2010 and PHL 3830	Science, Technology, Society, Culture, Philosophy, and/or Ways of Living	6	
Depth Courses in Geological Sciences					
		GSC 1120/1510L	Earth, Time and Life & Lab	3/1	
		GSC 1200	Introduction to Oceanography	3	
		GSC 2150/L	Mineralogy & Lab	2/1	
		GSC 2550L	Field Methods Laboratory	1	
		GSC 3000/L	Geochemistry & Lab	2/1	
		GSC 3040	Meteorology	3	
		GSC 4010/L	GIS Applications for Earth & Environmental Scientists & Lab	1/2	
		GSC 3200	Studies of a Blue Planet	3	
		GSC 3210/L	Engineering Geology I & Lab	2/1	
		GSC 3230/L	Geomorphology & Lab	2/1	
		GSC 3600/L	Hydrogeology & Lab	2/1	

The candidate must maintain an overall GPA of 2.75 in Subject Matter Preparation Coursework. Grades lower than a "C" will not be honored (e.g. C-)

This plan is intended to be a guide only. It should not replace consultation with a geology or science education advisor.

Advisor Signature/Date: _____

has completed 80% (89 units) of coursework _____

Single Subject Advisor Signature: _____

has completed 100% of coursework _____