

Name: _____ Bronco ID: _____ Date: _____

Life Science Subject Matter Preparation Program

Single Subject Science Preparation Programs: Biology 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 Biological Sciences					
		BIO 2050/L	Form and Function in Plants & Lab	3/1	
		BIO 2070/L	Animal Biology & Lab	3/1	
		BIO 2400	Genetics	3	
		BIO 3220	Cell and Molecular Biology	3	
		STA 1300/BIO 2110L	Biostatistics & Lab	3/1	
		BIO 3250/L	Principles of Ecology & Lab	3/1	
		BIO 3240	Principles of Evolution	3	
Select one of the following laboratory courses					
		BIO 4450/L	Physiology I: Cells & Lab	3/1	
		BIO 4480/L	Plant Physiology & Lab	3/1	
		BIO 4660/L	Microbial Physiology & Lab	3/1	
		BIO 4460/L	Physiology II: Systems & Lab	3/1	
Select one of the following laboratory courses					
		BIO 3040	Environment and Society	3	
		BIO 2060/L	Basic Microbiology & Lab	3/1	

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 biology or science education advisor.

Advisor Signature/Date: _____ has completed 80% (86 units) of coursework _____

Single Subject Advisor Signature: _____ has completed 100% of coursework _____