

**Major in: Earth Science**
**Advisor Signature:** \_\_\_\_\_

**Student Name:** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_

**Student ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

<b>Major 73-78 hours, 36 UD</b>	Hrs	Has	Lacks
ES 201, 202, 203 Principles of Geology	12		
<b>Choose one of the following sequences:</b>	12		
BI 101, 102, 103 General Biology			
BI 211, 212, 213 Principles of Biology			
PH 201, 202, 203 General Physics			
PH 211, 212, 213 General Physics w/Calculus			
<b>Choose a Math option:</b>	(8-10)		
A) MTH 112 Elementary Functions			
MTH 243 Intro to Probability & Statistics			
B) MTH 243 Intro to Probability & Statistics			
MTH 251 Calculus I			
C) MTH 251 Calculus I			
MTH 252 Calculus II			
ES 301 Petrographic Microscopy	2		
ES 302 Quantitative Methods	2		
ES 321 Structural Geology	4		
ES 322 Geomorphology & Aerial Photo Interpret.	4		
ES 392 Sedimentary Geology	4		
ES 407 Senior Seminar	1		
ES 450 Introduction to Petrology	4		
ES 453 Geology of the Pacific Northwest	4		
ES 473 Environmental Geology	4		
<b>Earth System Science Choose one:</b>	3		
ES 331 Intro to Oceanography			
ES 390 Basic Meteorology			
GS 351 Elements of Astronomy			
<b>Sedimentology/Paleobiology Choose one:</b>	3-4		
ES 304 Survey of the Fossil Record			
ES 431 Paleobiology			
ES 491 Stratigraphy & Depositional Systems			
<b>Volcanology/Petrology Choose one:</b>	3-4		
ES 354 Volcanoes and Earthquakes			
ES 454 Volcanology			
ES 460 Energy and Mineral Resources			
<b>Env. Geology/Surface Processes:</b>	3-4		
<b>Choose one</b>			
ES 341 Fundamentals of Geographic Information System			
ES 476 Hydrology			
ES 492 GIS Applications in Earth Sci			

Program notes & Additional Degree Requirements		
<b>Earth Science LACC Requirements</b>		
CH 104 Intro to Chemistry	4	
CH 221, 222 General Chemistry	8	
The BS and BA require completion of 2-4 credit hours of Computer Science coursework, depending on the chosen Math option.		
4 hours of writing intensive course work should come from: WR 322 Technical Writing.		
<b>Minimum degree requirements of at least:</b>		
180 or more total credit hours		
62 Upper Division credit hours		
45 of last 60 credits earned at WOU campus		
<b>BA Degree Requirements</b>		
CS 101 or higher		
Math 105 or higher		
Writing Intensive:		
Foreign Language:		
<b>BS Degree Requirements</b>		
CS121 or higher		
Math 111 or higher		
CS/Math/Stats		
Diversity		
Writing Intensive		