Western Oregon UNIVERSITY

Academic Degree Program
2013-14

Major in: **Earth Science**

Advisor Signature:

Student Name:

Student Signature:

Student ID:

Date:

Major 73-78 hours, 36 UD	Hrs	Has	Lacks
ES 201, 202, 203 Principles of Geology	12		
Choose one of the following sequences:	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			
Choose a Math option:	(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 407 Senior Seminar	1		
ES 450 Introduction to Petrology	4		
ES 453 Geology of the Pacific Northwest	4		
ES 473 Environmental Geology	4		
ES 493 Sedimentary Geology	4		
Earth System Science Choose one:	3		
ES 331 Intro to Oceanography			
ES 390 Basic Meteorology			
GS 351 Elements of Astronomy			
Sedimentology/Paleobiology Choose one:	3-4.		
ES 304 Survey of the Fossil Record			
ES 431 Paleobiology			
ES 491 Stratigraphy & Depositional Systems			
Volcanology/Petrology Choose one:	3-4.		
ES 354 Volcanoes and Earthquakes			
ES 454 Volcanology			
ES 460 Energy and Mineral Resources			
Env. Geology/Surface Processes:	3-4.		
Choose one			
ES 341 Fundamentals of Geographic Information System			
ES 476 Hydrology			
ES 492 GIS Applications in Earth Sci			

Program notes & Additional Degree Requirements			
Earth Science LACC Requirements			
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			
Minimum degree requirements of at least:			
180 or more total credit hours			
62 Upper Division credit hours			
45 of last 60 credits earned at WOU campus			
BA Degree Requirements			
CS 101 or higher			
Math 105 or higher			
Writing Intensive:			
Foreign Language:			
BS Degree Requirements			
CS121 or higher			
Math 111 or higher			
CS/Math/Stats:			
Diversity:			
Writing Intensive:			