Western Oregon UNIVERSITY

Academic Degree Program
2015-16

Certificate : Geographic Information Science

Advisor Signature:

Student Name:

Student Signature:

Student ID:

Date:

Minor 24 hours, 12 UD	Hrs	Has	Lacks
Choose One:	4		
ES 202 Principles of Geology			
GEOG 105 Introductory Physical Geography			
GEOG 240 Map and Air Photo Interpretation	4		
ES 340 Principles of Cartography	4		
ES 341 Geographic Information Systems I	4		
ES 342 Geographic Information Systems II	4		
Choose One:	4		
ES 444 Remote Sensing			
ES 492 Advanced GIS Applications in Earth Science			

Program notes & Additional Degree Requirements			
In addition to the minor, the Geographic Information Science curriculum may also be completed as a professional development certificate program.			
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 (C- or better):			
BS Degree Requirements			
CS 121 or higher			
Math 111 or higher			
CS/Math/Stats:			
Diversity:			
Writing Intensive:			