Western Oregon UNIVERSITY

Academic Degree Program
2014-15

Major in: **Integrated Science**
Middle/High School Authorization
Grade Five through Twelve

Advisor Signature:

Student Name:

Student Signature:

Student ID:

Date:

Major 64-70 hours, 36 UD	Hrs	Has	Lacks
CH 221, 222, 223 General Chemistry	15		
ES 201, 202, 203 Principles of Geology	12		
Choose One Sequence:	12		
PH 201, 202, 203 General Physics			
PH 211, 212, 213 General Physics w/Calculus			
ES 331 Intro to Oceanography	3		
ES 390 Basic Meteorology	3		
GS 351 Elements of Astronomy	3		
One Upper Division Biology course:	4-5		
BI 314 Introductory Genetics			
BI 321 Systematic Field Botany			
BI 324 Comparative Vertebrate Anatomy			
BI 330 Plant Physiology			
BI 357 General Ecology			
BI 361 Marine Ecology			
One Upper Division Chem course:	3-4		
CH 310 Environmental Geochemistry			
CH 320 Introduction to Forensic Science			
CH 360 Nuclear Chemistry			
CH 361 Energy, Resources & Environment			
CH 371 Environmental Chemistry			
CH 412 Inorganic Chemistry of Environment			
One Upper Division Earth Science course:	3-4		
ES 341 Geographic Information Systems I			
ES 354 Volcanoes and Earthquakes			
ES 453 Geology of the Pacific Northwest			
ES 454 Volcanology			
ES 473 Environmental Geology			
ES 491 Stratigraphy and Depositional Systems			
Upper Division Electives in Science	6-9		
Choose two additional upper-division courses from one of the content areas listed above (Biology, Chemistry, or Earth Science).			

Note: the sequence BI 211, 212, 213 must be completed to fulfill the LACC Laboratory Science requirement. The B.S. requires CS 195, MTH 112, and MTH 243. The B.A. requires CS 122, MTH 112, and a C- or better in the third term of the second year of a foreign language.

Undergraduate Teacher Preparation			
Pre-Education Courses			
ED 100 Introduction to Education	3		
ED 270 Technology in Education	3		
ED 312 Students, Teachers, Schools & Societies	3		
ED 333 Applied Adolescent Learn-Develop	3		
ED 370 Special Education	3		
Education Professional Core	**38**		
Term I:			
ED 418 Applied Curriculum & Assessment	3		
ED 446 Environments for Diverse Learners	3		
ED 434 Content Pedagogy	3		
ED 404 Student Teaching Seminar I	1		
ED 411 Student Teaching I	3		
ED 481 Introduction to ESOL and Bilingual Education	3		
Term II:			
ED 405 Student Teaching Seminar II	1		
ED 412 Student Teaching II	3		
ED 436 Content Pedagogy II	3		
ED 444 Content Literacy	3		
ED 450 Auth Specialty & Classroom Mgmt	3		
Term III:			
ED 429 Prof Develop Seminar III	2		
ED 498 Student Teaching III	10		
Test Requirements: www.wou.edu/educationtests			
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 111 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:			