Western Oregon UNIVERSITY

Academic Degree Program
2011-12

Major in: Biology-Molecular/Cellular

Advisor Signature:

Student Name:

Student Signature:

Student ID:

Date:

Major 79-87 hours, 36 UD	Hrs	Has	Lacks
BI 211, 212, 213 Principles of Biology	15		
BI 314 Introductory Genetics	4		
BI 315 Cell Biology	4		
BI 316 Evolution	4		
BI 331 General Microbiology	4		
Choose one (4-5)	4-5		
BI 317 Vertebrate Natural History (4)			
BI 321 Systematic Field Botany (4)			
BI 451 Invertebrate Zoology (5)			
Choose one (4-5)	4-5		
BI 357 General Ecology			
BI 454 Plant Ecology			
CH 221, 222, 223 General Chemistry	15		
Math Options: choose one	8-10		
A) MTH 112 Elementary Functions (4)			
MTH 243 Probability and Statistics (4)			
B) MTH 251 Calculus I (5)			
MTH 252 Calculus II (5)			
C) MTH 251 Calculus I (5)			
MTH 243 Probability and Statistics (4)			
Molecular/Cell Emphasis (18-19)			
BI 475 Molecular Biology	4		
CH 312 Quantitative Analysis	4		
CH 450 Biochemistry I	3		
CH 451 Biochemistry II	3		
One upper division course approved by Advisor	(4-5)		

Program notes & Additional Degree Requirements			
*All Students pursuing this emphasis must complete option C as their Biology core Math option.			
Students must also complete the Physical Science minor.			
Biology majors, regardless of emphasis, are required to maintain a C average in courses that are used to satisfy biology degree requirements.			
Students graduating in the various emphases of the biology major are required to take a standardized exit exam in their last year.			
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			