Western Oregon UNIVERSITY

Academic Degree Program
2013-14

Major in: **Computer Science**

Advisor Signature:

Student Name:

Student Signature:

Student ID:

Date:

Major 60 hours, 36 UD	Hrs	Has	Lacks
CS 160 Survey of Computer Science	3		
CS 161 Computer Science I	5		
CS 162 Computer Science II	5		
CS 260 Data Structures I	3		
CS 262 Programming Language	2		
CS 271 Computer Organization	4		
CS 311 Data Structures II	3		
CS 315 Theory of Programming Languages	3		
CS 345 Theory of Computation I	3		
CS 372 Operating Systems	3		
CS 409 Practicum	3		
CS 409 Practicum	2		
CS 420 Database Management	3		
CS 425 Systems Analysis and Design	3		
CS 430 Software Implementation	3		
Choose nine hours from one sequence:	9		
A) Computational Theory			
CS 440 Analysis of Algorithms (3)			
CS 445 Theory of Computation II (3)			
CS 447 Compiler Design (3)			
CS 449 Topics in Computational Theory (3)			
B) System Management			
CS 450 Network Fundamentals (3)			
CS 451 Management of Info Sys (3)			
CS 452 Internet Communications (3)			
CS 453 Data Mining/Data Ware (3)			
CS 459 Topics in Sys Management (3)			
C) Software Engineering			
CS 470 Human Machine Interfaces (3)			
CS 471 Metrics and Testing (3)			
CS 472 Operating Systems: Adv. Topics (3)			
CS 474 Concurrent Systems (3)			
CS 475 Applied Computational Intelligence (3)			
CS 479 Topics in Software Engineering (3)			
Choose an elective in Math	3		
MTH 341 Linear Algebra I			
MTH 346 Number Theory			
MTH 354 Discrete Structures I			

Program notes & Additional Degree Requirements			
Note: Computer Science majors must have a grade of C or better in courses that are used to satisfy the major requirements.			
Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the computer science division chair.			