

**Student Name:** 

Major in:	Computer Science/Mathematics	Advisor Signature:	

**Student Signature:** 

Student ID: Date:

Major 106-107 hours, 36 UD	Hrs	Has	Lacks
MTH 251 Calculus I	5		
MTH 252 Calculus II	5		
MTH 253 Calculus III Sequences and Series	3		
MTH 254 Multivariate Calculus	5		
MTH 280 Introduction to Proof *	4		
MTH 341 Linear Algebra I	4		
MTH 344 Group Theory	4		
MTH 355 Discrete Mathematics	4		
MTH 365 Mathematical Probability	4		
MTH 366 Mathematical Statistics	4		
Choose three electives:	11-12		
MTH 311 Advanced Calculus I	11 12		
MTH 314 Differential Equations I			
MTH 345 Ring Theory			
MTH 346 Number Theory			
MTH 351 Introduction to Numerical Analysis			
MTH 358 Mathematics Modeling			
MTH 420 Special Topics: Applied Mathematics			
MTH 441 Linear Algebra II			
MTH 451 Numerical Analysis			
MTH 460 Special Topic: Probability & Statistics			
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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 420 Database Management	3		
CS 425 Systems Analysis and Design	3		
CS 430 Software Implementation	3		
CS 406 Senior Seminar	1		
Choose nine hours from one sequence:	9		
A) Computational Theory			
CS 440 Analysis of Algorithms			
CS 445 Theory of Computation			
CS 447 Compiler Design			
CS 449 Topics in Computational Theory			
B) System Management			
CS 450 Network Fundamentals			
CS 451 Management of Info Sys			
CS 452 Internet Communications			
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CS 453 Data Mining/Data Ware			

Major continued C) Software Engineering CS 470 Human Machine Interfaces CS 471 Metrics and Testing CS 472 Operating Systems: Advanced Topics CS 474 Concurrent Systems CS 475 Applied Computational Intelligence CS 479 Topics in Software Engineering 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.  Minimum degree requirements of at least: 180 or more total credit hours 62 Upper Division credit hours 64 So flast 60 credits earned at WOU campus BA Degree Requirements CS 101 or higher Math 105 or higher Writing Intensive:  BS Degree Requirements CS 121 or higher Math 111 or higher CS/Math/Stats  Diversity Writing Intensive			
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