



Major in: **Computer Science/Mathematics**

Advisor Signature: _____

Student Name: _____

Student Signature: _____

Student ID: _____

Date: _____

Major 105-106 hours, 36 UD	Hrs	Has	Lacks
Mathematics courses (53-54)			
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 354 Applied Discrete Mathematics	4		
MTH 365 Mathematical Probability	4		
MTH 366 Mathematical Statistics	4		
Choose One:	4		
MTH 337 Geometry			
MTH 346 Number Theory			
MTH 355 Discrete Mathematics			
MTH 441 Linear Algebra II			
Choose two approved Upper-Division mathematics electives (7-8)			
Computer Science Courses (52)			
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 Languages	2		
CS 271 Computer Organization	4		
CS 311 Data Structures II	3		
CS 314 OR 315 Theory of Programming Lang.	3		
CS 345 Theory of Computation I	3		
CS 372 Operating Systems	3		
CS 420 Data Management Systems	3		
CS 425 Systems Analysis and Design	3		
CS 430 Software Implementation and Testing	3		
Choose Nine Credits from One Elective Category	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 (4)			
B) Distributed Computing			
CS 453 Data Mining & Data Warehousing (3)			
CS 454 Distributed Systems (3)			
CS 459 Topics in System Management (3)			
CS 472 Operating Systems: Adv. Topics (3)			
CS 487 File Forensics (4)			

Major Cont...	Hrs	Has	Lacks
C) Software Engineering			
CS 470 Human Machine Interfaces (3)			
CS 471 Metrics and Testing (3)			
CS 474 Current Systems (3)			
CS 475 Applied Computational Intelligence(3)			
CS 479 Topics in Software Engineering (3)			
CS 481 Computer Graphics (3)			
CS 488 Secure Software Lifecycle (4)			
D) Computing Systems Engineering			
CS 450 Network Programming (3)			
CS 472 Operating Systems: Adv. Topics (3)			
CS 490 Physical Computing (3)			
CS 491 Embedded Systems Design (3)			
A minor is not required for this major.			
Computer science/mathematics majors must have a grade of C or better in the computer science courses and a grade of C- or better in the mathematics courses that are used to satisfy the computer science/mathematics major requirements.			
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:			