

Computer Science
(Department of Mathematical Sciences)

Major Requirements

<u>Major Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
[COSC 180] Introduction to Computer Science and Information Systems	3	
[COSC 181] Computer Programming I	3	
[COSC 182] Computer Programming II	3	
[COSC 281] System Internals and Assembly Language	3	
[COSC 282] Data Structures and Algorithms	3	
[COSC 317] Computer Hardware Organization	3	
[COSC 382] Organization of Programming Languages	3	
[COSC 416] Operating Systems and Computer Architecture	3	
[COSC 494] Computer Science Senior Seminar	3	
<i>Three of the following: (9 credits total)</i>	9	
[COSC 332] Database Concepts (3)		
[COSC 333] Database Applications (3)		
[COSC 335] Software Engineering I (3)		
[COSC 415] Data Communications and Networking (3)		
[COSC 418] Artificial Intelligence (3)		
[COSC 487] Computer Graphics (3)		
[COSC 490] Topics in Computer Science (3)		
[MATH 111] Calculus I or MATH 109,110 equivalent	4-7	
[MATH 112] Calculus II	4	
<i>One of the following pairs of courses: (8 credits total)</i>	8	
[PHYS 201] , [PHYS 202] Introductory Physics I, II (4, 4)		
[PHYS 211] , [PHYS 212] General Physics I, II (4, 4)		
<i>One of the following:</i>	3 or 4	
[MATH 211] Calculus III (4)		
[MATH 261] Linear Algebra (3)		
[STAT 291] Statistics for Mathematical Sciences I (3)		
Plus 3 more courses from the following:	3	
Any unused courses in the above two categories or	3	
[BIS 333] , [BIS 343] , [BIS 381] , [BIS 401] , [BIS 411] , [BIS 412] , [BIS 491] , [COSC 391] , [COSC 491] , [MATH 301] , [MATH 341] , [MATH 342] , [MATH 362] , [STAT 292] , [STAT 346]	3	

General Education requirements on reverse side

Computer Science
(Department of Mathematical Sciences)

General Education Requirements

<u>Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
First Year Seminar	3	
Oral Communications	3	
Created and Called for Community	3	
Mathematical Sciences ([MATH 111])	3 or 4	<u>met by major</u>
Laboratory Science ([PHYS 201] , [PHYS 202] , [PHYS 211] , [PHYS 212])	3 or 4	<u>met by major</u>
Science, Technology & the World		<u>waived</u>
Two of the following:	6	
Social Science (3 credits)		
European History (3 credits)		
United States History (3 credits)		
Literature	3	
Philosophy and Religion	3	
Arts	3	
Language/Cross Cultural		
First Semester of Language	3	
Second Semester of Language	3	
Third Semester of Language or Cross Cultural	3	
Non-Western Studies	2 or 3	
Bible	3	
Christian Beliefs	3	
Health and Physical Fitness		
Introduction to Wellness	2	
Activity Course	1	
One of the following:	3	
Ethics (3 credits)		
World Views (3 credits)		
Pluralism in Contemporary Society (3 credits)		
Writing Enriched Course		

SUMMARY OF DEGREE REQUIREMENTS:

General Education	47-48
Major Requirements	64-68
Free Electives	7-12
Total	123

Major requirements on reverse side

August 2009