Mathematics and Computer Science 2014

Major: Mathematics & Computer Science

Degree Type: B.A. or B.S.

Required Degree Credits to Graduate: 136

General Education Requirements

First Year Experience (F):

UNIV 189	Skills For Academic Success (Students transferring in 24 or more credits do not need to take UNIV 189.)	1	
Communication (C):			
ENGL 110	College Composition I	3	
ENGL 120	College Composition II	3	
One Course in Upper Level Writing: Select from current general education list			
COMM 110	Fundamentals of Public Speaking	3	
Quantitative Reasoning (R):			
MATH 165	Calculus I	4	
Science & Technology (S):			
A one-credit lab must be taken as a co-requisite with a general education science/technology course unless the course includes an embedded lab experience equivalent to a one-credit course. Select from current general education list			
Humanities & Fine Arts (A): Select from current general education list			
Social & Behavioral Sciences (B): Select from current general education list			
Wellness (W): Select from current general education list			
Cultural Diversity (D): Select from current general education list			
Global Perspectives (G): Select from current general education list			
Total Credits		41	

College Requirements

Bachelor of Science (BS) Degree - An additional 6 credits in Humanities or Social Sciences

Bachelor of Arts (BA) Degree – An additional 12 credits Humanities and Social Sciences and proficiency at the second year level in a modern foreign language.

* Humanities and Social Sciences may be fulfilled by any course having the following prefix: ADHM, ANTH, ARCH, ART, CJ, CLAS, COMM, ECON, ENGL, FREN, GEOG, GERM, HDFS, HIST, LA, LANG, MUSC, PHIL, POLS, PSYC, RELS, SOC, SPAN, THEA, WGS, or any course from the approved list of general education courses in humanities and social sciences (general education categories A and B). These credits must come from outside the department of the student's major.

Major Requirements

A grade of 'C' or better is required in MATH & CSCI prefix courses used toward the major.

General Education Requirements 4		
Science and Mathematics College Requirements		6-12
Mathematics Major Requirements		
MATH 166	Calculus II	4
MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3
MATH 270	Introduction to Abstract Mathematics	3
MATH 429	Linear Algebra	3
MATH 430	Graph Theory	3

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Sequence Six:	
PHYS 251	University Physics I
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& 251L and University Physics I Laboratory

& PHYS 252 and University Physics II

& PHYS 252L and University Physics II Laboratory *

Total Credits 136-144

Program Notes

• Except for courses offered only as pass/fail grading, no course may be taken Pass/Fail.

^{*} Science and Technology General Education