BACHELOR OF SCIENCE

Computer Science/Mathematics

Name_____ 2009-11 Catalog

128 Semester hours minimum for graduation with a 2.00 average overall

56 hours from a four-year institution

General Studies

No	Title	HRS	CR	QPTS
English				
101	Composition and Rhetoric I	3		
102	Composition and Rhetoric II	3		
203	World Literature I	3		
204	World Literature II	3		
Communication Arts				
101	Fundamentals of Speech	3		
The Arts - Two Courses				
101	Introduction to Visual Arts	3		
101	Introduction to Music	3		
102	Introduction to Theatre	3		
Physical Education				
101	Personal Wellness	2		
Social Sciences				
	Four courses with at least three disciplines represented (SEE CATALOG)	3		
		3		
		3		
		3		
Science and Mathematics				
	Laboratory Science	4		
	Laboratory Science	4		
	Mathematics	3	See Major	
	Lab Science **or** N SC 300C/D; or MATH 105, 201, 211	3	See Major	
Foreign Language - (Required)				
	Two courses may be substituted for any two general studies courses except ENGL 101-102 and general Studies Math. Only ONE substitution per discipline. See Catalog.			

Computer Science/Mathematics (2.00 GPA required) NOTE: MATH 101, 110, 305, 414 cannot be used to meet GPA requirements.				
MATH 103	College Algebra	3		
104	College Trigonometry	3		
201	Introduction to Programming I	3		
202	Introduction to Programming II	3		
215	Assembly Language Programming	3		
220	Discrete Mathematics	3		
240	Programming in C++	3		
250	Calculus w/Analytic Geometry I	4		
251	Calculus w/Analytic Geometry II	4		
252	Calculus w/Analytic Geometry III	4		
271	Computer Organization & Hardware	3		
307	Introduction to Abstract Algebra	3		
320	Linear Algebra	3		
355	Data Structures	3		
356	Data Base Management	3		
361	Operating Systems	3		
362	Programming Languages & Translators	3		
410	Software Engineering Using Java	3		
445	Distributed Processing & Networks	3		
460	Numerical Analysis	3		
PHYS 319	Digital Electronics*	2		

NOTE:
PHYS 101 (201) & 102 (202) or consent of instructor required for PHYS 319. See catalog for prerequisites.

RECOMMENDED: SIX HOURS OF STATISTICS

MATH 103 and/or 104 may be waived for students establishing proficiency.

RESIDENCE CREDIT:

36 hours at Concord
16 of last 32 hours at Concord
Note: In some degree programs, this would be previous to entering professional training.
9 hours in Major, Teaching Fields

REVISED 6/18/09