Concord University
Bachelor of Science - *Mathematics*

Name_____

120 Semester hours minimum for graduation with a 2.00 average overall

56 hours from a four-year institution

Course	Title	HRS	GR	QP
Written and Oral Communications *(9 credit hours) Select one course from BGEN 205 or COMM 101*				
ENGL 101	Composition & Rhetoric I	3		
ENGL 102	Composition & Rhetoric II	3		
		3		
Literature and Humanities *(6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy. *May be repeated for 3 credit hours.*				
	ENGL 203, 204, *203A, *204A or *207A	3		
	HIST 101, 102, 203, 204, **PHIL** 101, 102, 210, 316, or 360	3		
Fine Arts– *(3 credit hours) Select one (1) course from the following:*				
	ART 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, **MUS** 101, *451, *453A, or **THEA** 102	3		
Social and Behavioral Sciences *(9 credit hours) Select one (1) course from three different categories.*				
	Category 1 - Business and Professional Studies	3		
	BGEN 105, ECON 201, ECON 202, FIN 200, RTM 100 or SOWK 161	3		
	Category 2 - Geography GEOG 101, 250 or 321	3		
	Category 3 - Political Science POSC 101, 104, or 202			
	Category 4 - Psychology PSY 101 or 200			
	Category 5 – Sociology SOC 101, 201, or 301			
Natural Sciences *(7-8 credit hours) Select one (1) course from two different categories.*				
	Category 1-Biological Science BIOL 101, 102 or 103	4		
	Category 2-Earth & Space Science GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105	3-4		
	Category 3-Physical Science CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201			
Mathematics *(3 credit hours) Select one (1) Mathematics course numbered 100 or higher.*				
		3		
Physical Wellness *(2 credit hours) Select one or more courses listed below for a total of at least two hours.*				
	H ED 120, 304, **P ED** 101M, 117, 118, or **RTM** 360	2		
Modern/Classical Language – *(Required - 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes.*				
	May not substitute Modern Language for ENGL 101, ENGL 102, the 3 hour Mathematics requirement or the 4-hour lab science requirement.			

Mathematics (2.00 GPA required)				
CS 201	Introduction to Computer Programming I	3		
MATH 103	College Algebra*	3		
MATH 104	College Trigonometry*	3		
MATH 105	Elementary Statistics	3		
MATH 220	Discrete Mathematics	3		
MATH 250	Calculus w/Analytic Geometry I	4		
MATH 251	Calculus w/Analytic Geometry II	4		
MATH 252	Calculus w/Analytic Geometry III	4		
MATH 260	Elementary Number Theory	3		
MATH 303	Mathematical Probability and Statistics I	3		
MATH 307	Abstract Algebra I	3		
MATH 320	Applied Linear Algebra	3		
	7 hours of elective credit in mathematics, chosen from MATH 290 and above, excluding MATH 305 and MATH 414.	3		
		4		
	***Elective Concentration (9 hours).** Students must choose one of the four options listed below:*	3		
	Actuarial Science and Data Analysis CS 230, MATH 304, & MATH 404			
	Applied Mathematics MATH 317, MATH 403, & MATH 460	3		
	Preparation for Graduate Study MATH 310, MATH 425, & MATH 451			
	Preparation for Careers in Educ. MATH 305, MATH 309, MATH 340, & MATH 414	3		

RECOMMENDED:

8 hours of Physics; and 6 additional hours of computer programming.

A minor is required-computer science and statistics are acceptable options.

*Mathematical Prerequisites (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 is prior to entering professional training.

9 hours in Major, Teaching Fields

Revised: 8/21/2017