Concord University
Bachelor of Science - *Computer Science/Mathematics*
Registrar's Office Official Document

Name: _____

2018-2019 Catalog

120 hours minimum for graduation with a 2.00 average overall
56 hours from a four-year institution

Course	Title	CR	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, *2201, *2202, *2203, *2204 or *2205	3		
	HIST 101, 102, 203, 204, **PHIL** 101, 102, 210, 316, or 361	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 BGEN 105, ECON 201, ECON 202, FIN 200, RTM 100 or SOWK 161	3		
	Category 2 - Geography GEOG 101, 255 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	3		
Natural Sciences *(7-8 credit hours) Select one (1) course from two different categories.*				
PHYS 101/201	**Category 1-Biological Science** BIOL 101, 102 or 103	4	See Major	
	Category 2-Earth & Space Science GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105 **Category 3-Physical Science** CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201	3-4		
Mathematics *(3 credit hours) Select one (1) Mathematics course numbered 100 or higher.*				
MATH 103		3	See Major	
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** 220	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.			

Computer Science/Mathematics (2.00 GPA required)
NOTE: MATH 101, MATH 305, or MATH 414 cannot be used to meet GPA requirements.

Course	Title	CR	GR	QP
CS 201	Intro. to Computer Programming I	3		
CS 202	Intro. to Computer Programming II	3		
CS 215	Web Development	3		
CS 225	Mobile Development	3		
CS 271	Computer Organization & Hardware	3		
CS 355	Data Structures	3		
CS 356	Database Management	3		
CS 361	Operating Systems	3		
CS 362	Programming Languages & Translators	3		
CS 410	Software Engineering	3		
CS 445	Distributed Processing & Networks	3		
CS 491	Senior Project	3		
MATH 103	College Algebra	3		
MATH 104	College Trigonometry	3		
MATH 219	Discrete Mathematics	3		
MATH 253	Calculus w/Analytic Geometry I	4		
MATH 254	Calculus w/Analytic Geometry II	4		
MATH 255	Calculus w/Analytic Geometry III	4		
MATH 259	Elementary Number Theory	3		
MATH 307	Abstract Algebra I	3		
MATH 321	Applied Linear Algebra	3		
MATH 459	Numerical Analysis	3		
PHYS 101 or PHYS 201	Introductory Physics or University Physics w/ Calculus Pt.1	4		
PHYS 102 or PHYS 202	Intermediate Physics or University Physics w/ Calculus Pt.2	4		
PHYS 319	Digital Electronics*	2		

MATH 103 and/or 104 may be waived for students establishing proficiency.
RECOMMENDED: Six hours of Statistics.

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 10/4/18