

**Concord University**  
**Bachelor of Science - Cybersecurity**  
*Registrar's Office Official Document*

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

2023-2024 Catalog

**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		
COMM 101 Or BGEN 205	Fundamentals of Speech Or Fundamentals of Business Communication	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.				
	<b>ENGL</b> 203 or 204	3		
	<b>HIST</b> 101, 102, 203, 204, <b>PHIL</b> 101, 308, 316, or 361	3		
Fine Arts– (3 credit hours) Select one (1) course from the following:				
	<b>ART</b> 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, <b>MUS</b> 101, *451, *453A, or <b>THEA</b> 102	3		
Social and Behavioral Sciences (9 credit hours) Select one (1) course from three different categories.				
	<b>Category 1 - Business and Professional Studies</b> BGEN 105, ECON 203, ECON 204, FIN 200, HSP 100 or SOWK 161	3		
	<b>Category 2 - Geography</b> GEOG 101 or 221	3		
	<b>Category 3 - Political Science</b> POSC 101, 104, or 202			
	<b>Category 4 - Psychology</b> PSY 101 or 200			
	<b>Category 5 – Sociology</b> SOC 101, 201, or 301			
Natural Sciences (7-8 credit hours) Select one (1) course from two different categories.				
	<b>Category 1-Biological Science</b> BIOL 101, 102, 121, or 122	4		
	<b>Category 2-Earth &amp; Space Science</b> GEOL 101, GEOL 140 or 150, GEOG 200, PHSC 104, or PHYS 105	3-4		
	<b>Category 3-Physical Science</b> 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.				
MATH ---		3	See Major	
Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours.				
	<b>H ED</b> 120, 304, <b>P ED</b> 101M, 117 or 118	2-3		
Modern/Classical Language – (Optional 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.			

Cybersecurity				
Computer Science (52 credit hours)				
CS 151	Introduction to Computer Science	3		
CS 221	Computer Networking	3		
CS 232	Introduction of Computer Security	3		
CS 252	Data Structures and Object-Oriented Programming	3		
CS 281	Linux System Administration	3		
CS 282	Database and Information Management	3		
CS 325	Computer Organization and Hardware	3		
CS 331	Digital Forensics and Incident Response	3		
CS 332	Network Security	3		
CS 333	Secure Coding	3		
CS 341	Cryptography	3		
CS 351 or CS 352	Web Development or Mobile Development	3		
CS 381	System Analysis and Design	3		
CS 382	Cybersecurity Program Management	3		
CS 431	Penetration Testing	3		
CS 432	Reverse Engineering	3		
CS 456	Capstone Project I	2		
CS 457	Capstone Project II	2		
Mathematic (6-9 credit hours)				
MATH 103/103C	College Algebra*	3		
MATH 105	Elementary Statistics	3		
MATH 219	Discrete Mathematics	3		

\*Math 103 and/or 104 and/or MATH 107 may be waived for students establishing "equivalent proficiency" as defined by the Department of Mathematics and Computer Science.

**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

**TOTAL MINIMUM REQUIRED CREDITS:** 120  
**GENERAL EDUCATION CREDITS:** 39-41  
**PROGRAM REQUIREMENTS:** 58  
**ELECTIVE CREDITS:** 21-23

Revised: 07/18/2023