

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

2024-2025 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.				
	ENGL 203 or 204	3		
	HIST 101, 102, 203, 204, PHIL 101, 308, 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 203, ECON 204, FIN 200, HSP 100 or SOWK 161	3		
	Category 2 - Geography GEOG 101 or 221	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, 121, or 122	4		
	Category 2-Earth & Space Science GEOG 101, GEOG 140 or 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.				
MATH ---		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 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		
Mathematics (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
PROGRAMMATIC REQUIREMENTS: 58
ELECTIVE CREDITS: 21-23

Revised: 04/15/2024