Concord University
Bachelor of Science - *Computer Information Systems*
Registrar's Office Official Document

Name: _____

2023-2024 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		
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	3		
	BGEN 105, ECON 203, ECON 204, FIN 200, HSP 100 or SOWK 161	3		
	Category 2 - Geography	3		
	GEOG 101 or 221			
	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 GEOL 101, GEOL 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.			

Computer Information Systems (minimum 2.00 GPA required)				
Core Requirements (50-56 Credit Hours)				
Computer Science (40 credit hours)				
CS 151	Introduction to Computer Science	3		
CS 221	Computer Networking	3		
CS 232	Introduction to Computer Security	3		
CS 252	Data Structures & Object-Oriented Programming	3		
CS 253	Software Engineering	3		
CS 272	Human Centered Design	3		
CS 281	Linux System Administration	3		
CS 282	Database & Information Management	3		
CS 283	Data Analytics	3		
CS 325	Computer Organization & Hardware	3		
CS 351	Web Development	3		
CS 381	Systems Analysis & Design	3		
CS 456	Capstone Project I	2		
CS 457	Capstone Project II	2		
Mathematics (14-16 credit hours)				
MATH 103/103C* and MATH 104* or MATH 107*	College Algebra and College Trigonometry or Precalculus	4-6		
MATH 105/MATH 105C	Elementary Statistics	3		
MATH 219	Discrete Mathematics	3		
MATH 253	Calculus with Analytic Geometry I	4		
1. Accounting and Control Track (18 Credit Hours) (optional)				
ACCT 205	Principles of Accounting I	3		
ACCT 206	Principles of Accounting II	3		
ACCT 318	Cost Accounting	3		
ACCT 415	Accounting Information Systems	3		
BGEN 222	Business Productivity Software	3		
FIN 311	Principles of Managerial Finance	3		
2. Geospatial Science Track (18-20 Credit Hours) (optional)				
GEOG 101	Humans and the Environment	3		
GEOG 200	Digital Earth	3		
GEOG 311	GIS and Cartography	3		
GEOG 411	GIS Design and Application	3		
GEOG 412	Public Health GIS	3		
Choose two courses from the following:				
	• GEOL 210 Natural Disasters (3) • GEOL 310 Soil, Water, and Land Use (4) • GEOL 312 Climatology (4) • GEOL 315 Biogeography & Environmental Change (4) • GEOL 420 Special Topics: Geology or Environmental Science (1-4)	3-4 3-4		

3. Informational Technology Track (18 Credit Hours) (optional)				
CS 332	Network Security	3		
CS 374	Introduction to Simulation and Modeling	3		
CS 384	DevOps	3		
Choose three courses from the following:				
	• BGEN 202 Decision Sciences I (3) • BGEN 222 Business Productivity Software (3) • BGEN 311 Management Information Systems (3) • BGEN 335 Decision Sciences II (3)	3		
	• CS 261 Introduction to Intelligent Systems (3) • CS 331 Digital Forensics and Incident Response (3) • CS 333 Secure Coding (3) • CS 352 Mobile Development (3) • CS 357 Parallel and Distributed Computing (3)	3		
	• GEOG 311 GIS and Cartography (3) • GEOG 411 GIS Design and Application (3)	3		

4. Management Track (18 Credit Hours) (optional)				
BGEN 202	Decision Sciences I	3		
BGEN 222	Business Productivity Software	3		
BGEN 311	Management Information Systems	3		
BGEN 335	Decisions Sciences II	3		
MGT 305	Principles of Management	3		
MGT 441	Operations Management	3		
5. Web Track (18 Credit Hours) (optional)				
ART 103	Drawing I	3		
ART 105	Design I	3		
ART 106	Basic Computer Graphics	3		
ART 202	Design II	3		
ART 223	Typography	3		
ART 361	Web Design	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.

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: 71-74
ELECTIVE CREDITS: 5-10