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

Name: _____

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

Course	Title	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 GEOG 101 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, 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 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 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 1	2		
CS 457	Capstone Project 2	2		
Mathematics (10-16 credit hours)				
MATH 103/MATH 103C*	College Algebra	3		
MATH 104*	College Trigonometry	3		
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) • 420 Special Topics: Geology or Environmental Science (1-4)	3-4 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) • 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) • GEOG 311 GIS and Cartography (3) • GEOG 411 GIS Design and Application (3)		3 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 may be waived for students establishing equivalent proficiency as defined by the Department of Mathematics.

Note: In some degree programs, this is prior to entering professional training.
9 hours in Major, Teaching Field

Residence Credit
36 hours at Concord
16 of last 32 hours at Concord

TOTAL MINIMUM REQUIRED CREDITS: 120
GENERAL EDUCATION CREDITS: 39-41
ELECTIVE CREDITS: 26-28