

**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	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.				
	<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> GEO 100 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> GEO 101, GEO 140 or 150, GEO 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>HS</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.			

Computer Information Systems (minimum 2.00 GPA required)				
Core Requirements (56-58 Credit Hours)				
Computer Science (42 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	Introduction to 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	3		
CS 457	Capstone Project 2	3		
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		

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

**Students must select ONE of the following concentrations.**

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 (16 Credit Hours) (optional)				
GEO 100	Humans and the Environment	3		
GEO 101	Earth Processes, Resources, and the	4		

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	Environment			
GEO 200	Digital Earth	3		
GEO 311	GIS and Cartography	3		
GEO 411	GIS Design and Application	3		

MGT 441	Operations Management	3		
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<b>3. Informational Technology Track (18 Credit Hours) (optional)</b>				
CS 332	Network Security	3		
CS 374	Introduction to Simulation and Modeling	3		
CS 384	DevOps	3		

<b>5. Web Track (18 Credit Hours) (optional)</b>				
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		

**Choose three courses from the following:**

<ul style="list-style-type: none"> <li>• BGEN 202 Decision Sciences I (3)</li> <li>• BGEN 222 Business Productivity Software (3)</li> <li>• BGEN 311 Management Information Systems (3)</li> <li>• BGEN 335 Decision Sciences II (3)</li> </ul>	<ul style="list-style-type: none"> <li>• CS 261 Introduction to Intelligent Systems (3)</li> </ul>	3		
	<ul style="list-style-type: none"> <li>• CS 331 Digital Forensics and Incident Response (3)</li> <li>• CS 333 Secure Coding (3)</li> <li>• CS 352 Mobile Development (3)</li> <li>• CS 357 Parallel and Distributed Computing (3)</li> </ul>	3		
	<ul style="list-style-type: none"> <li>• GEO 311 GIS and Cartography (3)</li> <li>• GEO 411 GIS Design and Application (3)</li> </ul>	3		

**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 Field

**TOTAL MINIMUM REQUIRED CREDITS: 120**  
**PROGRAM REQUIRED CREDITS: 76-78**  
**GENERAL EDUCATION CREDITS: 36-38**  
**ELECTIVE CREDITS: 4-8**

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<b>4. Management Track (18 Credit Hours) (optional)</b>				
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		