



# COMPUTER INFORMATION SYSTEMS CYBER SECURITY CONCENTRATION

BBA

General Education Core			
Course No.	Title	Hrs	Prerequisites and Minimum Classification
<i>Maximum 15 credits of "Ds" and minimum grade of "C" for MATH courses. MATH courses fulfilled by a placement test must be substituted with Business or Non-Business Elective(s) totaling the same number of credits.</i>			
ECON 001	Principles of Economics I	3	<i>View the Howard Course Catalog or contact the Department coordinating the course</i>
ECON 002	Principles of Economics II	3	
ECON 180	Statistics for Business & Economics	3	
ENGW	English Writing Requirements	6	
HIST or POLS	History or Political Science Elective	3	
MATH 007 or MATH 010	Pre-Calculus or College Algebra II	4	
MATH 026 or MATH 156	Applied Calculus or Calculus I	4	
	Afro-American Elective	3	
	Business or Non-Business Electives	9	
	Foreign Language Requirements	6	
	One or Two Non-Business Elective(s)	2-3	
	Science Elective	3	

**Total Credit Hours 49**

Business Core			
<i>Maximum 6 credits of "Ds" and minimum grade of "C" in ACCT 201 and INFO 204.</i>			
ACCT 201	Accounting Principles I	3	MATH 006 (C)
ACCT 202	Accounting Principles II	3	ACCT 201 (C); MATH 007/010 (C)
BCOM 320	Business Communication	3	ENGW 101/102/104; ENGW 103/105; MATH 026/156 (C); Sophomore
BECN 330 or MGMT 351	Managerial Economics or Entrepreneurship	3	<i>Varies based on course chosen</i>
BLAW 305	Business Law I	3	MATH 026/156 (C); Junior
FINA 311	Finance Principles	3	ACCT 202; ECON 001; ECON 002; MATH 026/156 (C); Junior
INFO 010	Business Problem Solving	2	None
INFO 204	Management Info Systems	3	INFO 010
INFO 311	Quantitative Business Analysis	3	ECON 180; INFO 204; MATH 026/156 (C); Junior
INFO 335	Production & Operations Mgmt	3	INFO 311; Junior
MGMT 001	Career Counseling	1	MGMT 011
MGMT 010	Business Orientation	1	None
MGMT 011	Business Orientation II	1	MGMT 010
MGMT 301	Management & Org. Behavior	3	ACCT 201 (C); ECON 001; ECON 002; MATH 026/156 (C); Junior
MGMT 390	Business Policy	3	MGMT 301; Senior
MKTG 301	Principles of Marketing	3	ACCT 202; ECON 001; ECON 002; MATH 026/156 (C)
	Business Elective	3	<i>Varies based on course chosen</i>

**Total Credit Hours 44**

Major Core			
<i>Minimum 2.5 GPA and grade of "C."</i>			
INFO 210	Introduction to Software Design	3	INFO 204 (C)
INFO 330	Database Management	3	INFO 210 (C)
INFO 340 or INFO 341	Intro to C++ or Java	3	INFO 210 (C)
INFO 370	Systems Analysis and Design	3	INFO 330 (C); Junior
INFO 398	Info Systems Consulting	3	INFO 330 (C); INFO 370 (C); Senior

**Total Credit Hours 15**

Concentration Requirements			
<i>Minimum 2.5 GPA and grade of "C."</i>			
INFO 391	Intro to Information Security	3	INFO 204 (C)
INFO 393	Network/Internet Security Mgmt	3	INFO 204 (C)
INFO 395	Information Assurance	3	INFO 204 (C)
INFO 384 or INFO 397	Business Analytics or Immersive Lab	3	<i>Varies based on course chosen</i>

**Total Credit Hours 12**

**Total Credit Hours Required for Graduation in Program 120**

*Minimum 2.0 Cumulative GPA*

*Effective Fall 2022*

*Rev'd SU23*



# COMPUTER INFORMATION SYSTEMS BBA CYBER SECURITY CONCENTRATION FOUR-YEAR EXAMPLE SCHEDULE

<b>First Year</b>						
Course No.	Course Title	Hrs		Course No.	Course Title	Hrs
First Semester			Second Semester			
ENGW XXX	English Writing Requirement 1	3		ENGW XXX	English Writing Requirement 2	3
INFO 010	Business Problem Solving	2		MATH 026	Applied Calculus	4
MATH 010	College Algebra II	4		MGMT 011	Business Orientation II	1
MGMT 010	Business Orientation	1			Business Elective	3
	Afro-American Elective	3			Foreign Language 2	3
	Foreign Language 1	3				
<b>Total Credit Hours</b>		<b>16</b>		<b>Total Credit Hours</b>		<b>14</b>
<b>Second Year</b>						
First Semester			Second Semester			
ACCT 201	Accounting Principles I	3		HIST or POLS	History or Political Science Elective	3
ECON 001	Principles of Economics I	3		ACCT 202	Accounting Principles II	3
ECON 180	Statistics: Bus & Economics	3		ECON 002	Principles of Economics II	3
INFO 204	Management Information Syst	3		INFO 210	Intro to Software Design	3
MGMT 001	Career Counseling	1		BCOM 320	Business Communication	3
	One or Two Non-Business Elective(s)	2-3				
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>15</b>
<b>Third Year</b>						
First Semester			Second Semester			
INFO 311	Quantitative Business Analysis	3		BLAW 305	Business Law I	3
INFO 340 or INFO 341	Programming Language	3		FINA 311	Finance Principles	3
MGMT 301	Management & Org Behavior	3		INFO 330	Database Management	3
MKTG 301	Principles of Marketing	3		INFO 335	Production & Operations Mgmt	3
	Science Elective	3		INFO 391	Intro to Information Security	3
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>15</b>
<b>Fourth Year</b>						
First Semester			Second Semester			
INFO 370	Systems Analysis & Design	3		INFO 398	Information Systems Consulting	3
INFO 393	Network/Internet Security Mgmt	3		INFO 395	Information Assurance	3
BEEN 330 or MGMT 351	Managerial Economics or Entrepreneurship	3		MGMT 390	Business Policy	3
	Business or Non-Business Elective	3		INFO 384 or INFO 397	Business Analytics or Immersive Lab	3
	Business or Non-Business Elective	3			Business or Non-Business Elective	3
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>15</b>

**Total Credit Hours Required for Graduation in Program 120**