

B.S. CYBERSECURITY DEGREE REQUIREMENTS (2020-2021)

Student Name: _____

Mentor: _____

GENERAL EDUCATION CORE REQUIREMENTS

Course	Credit Hrs.	Term Taken	Grade
First Year Experience FYE 101	1	_____	_____
English ENG 101/101E	3	_____	_____
ENG 102/103.....	3	_____	_____
Literature (3 hours selected from ENG 201, 202, 203, 204, 205, or 206)			
ENG _____	3	_____	_____
Speech ENG/COMM 221	3	_____	_____
Humanities, Writing, or Speech (May be satisfied by completing 6 sequential hours of literature, or an upper level literature, writing, speech, history, or religion / philosophy course)			
_____	3	_____	_____
Computer Literacy CS 110/MIS 240	3	_____	_____
Religion/Philosophy			
REL <u>101 or 102</u>	3	_____	_____
REL <u>101, 102, 201, 201, 241, or 251</u>	3	_____	_____
History (6 sequential hours 111-112 or 201-202)			
HIS <u>111 or 201</u>	3	_____	_____
HIS <u>112 or 202</u>	3	_____	_____
Math MAT 142	5	_____	_____
Natural Science (8 hours selected from BIO 111/115, BIO 112/116, BIO 114, CHE 111, CHE 112, PHY 101, PHY 102, PHY 105, PHY 241, PHY 242, PHY 251, or PHY 252)			
_____	4	_____	_____
_____	4	_____	_____
Fine Arts (3 hours selected from ART 121, ART 131, ART 143, ART 211, ART 251, MUS 231, MUS 233, MUS 235, MUS 236, or ENG/DRA 131)			
_____	3	_____	_____
Physical Education (any activity course)			
HPPE _____	1	_____	_____
Social Sciences (3 hours selected from PSY 113, SOC 211, BUS 201 BUS 202, or HIS 221)			
_____	3	_____	_____
 B.S. Degree Requirement - Additional Math, Science, or Social Science			
MAT 241	3	_____	_____

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Courses	Credit Hrs.	Term Taken	Grade
Required Cybersecurity Courses.....	<u>50</u>		
CS 200 Discrete Structures	3	_____	_____
CS 220 Data Structures	3	_____	_____
CS 230 Design & Analysis of Algorithms	3	_____	_____
CS 240 Intro to Project Management (<i>also listed as MIS 370</i>).....	3	_____	_____
CS 310 System Architecture & Assembly Language Programming	3	_____	_____
CS 315 Operating Systems Analysis & Admin (<i>also MIS 420</i>)	3	_____	_____
CS 330 Networks & Distributed Data Processing (<i>also MIS 430</i>) ...	3	_____	_____
CS 350 Ethics & Professionalism in Computer Programming	3	_____	_____
CS 360 Security of Information Systems (<i>also MIS 470</i>).....	3	_____	_____
CS 410 Server Administration	3	_____	_____
CS 411 Server Administration Lab	1	_____	_____
CS 435 Software Engineering.....	3	_____	_____
CS 450 Database Development & Administration (<i>also MIS 450</i>) ..	3	_____	_____
CS 451 Database Development & Admin Lab (<i>also MIS 451</i>)	1	_____	_____
CS 460 Software Reverse Engineering	3	_____	_____
CS 475 Digital Forensics (<i>also MIS 475</i>)	3	_____	_____
Choose one from the following:			
CS 370 Wireless Networking and Devices	3	_____	_____
CS 380 Cryptography.....	3	_____	_____
Choose one from the following:			
CS 480 Capstone.....	3	_____	_____
CS 498 Internship	3	_____	_____
Other Required Courses	<u>18</u>		
MAT 231 Statistics	3	_____	_____
CJ 101 Intro to Criminal Justice.....	3	_____	_____
CJ 305 Criminal Investigations	3	_____	_____
Choose one from the following:			
CJ 230 Introduction to Homeland Security	3	_____	_____
CJ 344 Cybercrime.....	3	_____	_____
CJ 380 Forensic & Crime Scene Investigations	3	_____	_____
Choose two from the following:			
BUS 320 Management of Information Systems	3	_____	_____
BUS 330 Principles of Management.....	3	_____	_____
BUS 434 Organizational Behavior Management	3	_____	_____
Total Hours Required for the B.S. Degree	<u>123</u>		

* Minimum 2.0 GPA required for graduation

** A minimum of 45 hours must be earned in courses numbered 300 or above