

Bachelor of Science in Cybersecurity (Effective Spring 2022)

UNIVERSITY CORE REQUIREMENTS			
	Hr	ABET Student Outcomes	ABET Curriculum
EN 1103 English Composition I	3		
EN 1113 English Composition II	3		
Humanities Elective	3		
Humanities Elective	3		
Fine Art Elective	3		
Social Science Elective	3		
Social Science Elective	3		
GE 3513 (Writing)	3		
UNIVERSITY CORE REQUIREMENTS			24
DEPARTMENTAL NON-CSE REQUIREMENTS			
MA 1713 Calculus I	3		
MA 1723 Calculus II	3		
MA 3113 Linear Algebra	3		
Math elective:			
MA 2733 Calculus III, MA 3053 Foundations of Math, MA 4143 Graph Theory, MA 4173 Number Theory	3		
Statistics Requirement: IE 4613 Engineering Statistics I, or MA 4523 Intro to Prob, or MA 4543 Intro to Math Stat 1, or BQA 2113 Bus Stats Methods	3		
CH 1213 Chemistry I	3		
CH 1211 Chemistry Lab	1		
Science electives: PH 2213 Physics I, PH 2223 Physics II, CH 1223 Chem 2 & CH 1221 Chem 2 Lab, BIO 1134 Bio I, BIO 1144 Bio II	6		
DEPARTMENTAL NON-CSE REQUIREMENTS			25

DEPARTMENTAL REQUIREMENTS			
	Hr	ABET Student Outcomes	ABET Curriculum
CSE 1011 Intro to CSE	1		
CSE 1284 Intro Comp Programming	4		
CSE 1384 Inter Comp Programming	4		
CSE 2213 Methods & Tools in SW Development	3		
CSE 2383 Data Struc & Anl. of Alg.	3		
CSE 3183 Systems Programming	3		
CSE 3723 Computer Organization	3		
CSE 3763 Ethical & Legal Issues	3		
CSE 4153 Data Com & Networks	3		
CSE 4173 Cryptography	3		
CSE 4243 Info & Comp. Security	3		
CSE 4733 Operating Sys. I	3		
Cybersecurity Electives	15		
Technical Electives (any upper division CSE, ECE or MA)	18		
Free Electives	10		
TOTAL CSE REQUIRED			79
Cybersecurity Electives: BIS 4113 BIS Security, CSE 4363 Software Reverse Engr, CSE 4743 Operating Systems II, CSE 4773 Intro to Cyber Operations, CSE 4253 Secure Software Engineering, CSE 4383 Network Security, CSE 4273 Digital Forensics			
TOTAL HOURS IN PROGRAM			128