

B.S. Cyber Security (Semester-by-Semester Schedule)

1 st Semester		2 nd Semester	
RHET 1311 - Composition I	3	RHET 1312 - Composition II	3
CPSC 1105 or IFSC 1105 - First Year Experience for Computing Majors	1	CPSC 1310 - Internet Technologies or IFSC 1310 - Web Technologies	3
MATH 1342 - Applied Calculus I*	3	MATH 1343 - Applied Calculus II*	3
HIST 1311 - History of Civilization I or HIST 1312 - History of Civilization II	3	HIST 2311 - U.S. History to 1877 or HIST 2312 - U.S. History since 1877 or POLS 1310 - American National Government	3
CPSC 1375 - Programming I	3	CPSC 2376 - Programming II	3
CSEC 1310 - Intro to Cyber Security	3		
Semester Total:	16	Semester Total:	15
3 rd Semester		4 th Semester	
ACOM 1300 - Introduction to Communication (or other suitable EIT College Core course in this category)	3	CRJU 2300 - Introduction to Criminal Justice or other Social Science core requirement	3
PHYS 1321 College Physics I and 1121 College Physics I Laboratory or CHEM 1402 - General Chemistry I†	4	PHYS 1322 College Physics I and PHYS 1122 College Physics I Laboratory or CHEM 1403 - General Chemistry II†	4
MATH 2310 - Discrete Mathematics	3	CPSC 2380 - Algorithms	3
CPSC 2482 - Computer Organization	4	CSEC 2320 - Access Control	3
CSEC 2310 - System Security	3	CSEC 2324 - Network Security	3
Semester Total:	17	Semester Total:	16
5 th Semester		6 th Semester	
CPSC 3380 - Operating Systems	3	Fine Arts core requirement	3
CPSC 3369 - Intro to Comp. Systems & Assembly Language	3	CPSC 3375 - Database Concepts I	3
CSEC 3300 - Digital Forensics	3	CSEC 3322 - Software Security	3
CSEC 3312 - Applied Cryptography	3	CSEC 3324 - Data Security	3
CSEC 3314 - Incident Response	3	CSEC 3316 - Threat Analytics or other upper level major elective‡	3
Semester Total:	15	Semester Total:	15
7 th Semester		8 th Semester	
PHIL 2321 - Ethics and Society: Professional Applications or other Humanities core req.	3	CSEC 4314 - Human Behavior and Privacy	3
STAT 3352 - Applied Statistics I	3	CSEC 4320 - Cybersecurity Legal and Compliance	3
CSEC 4310 - Risk Management	3	CSEC 4318 - Vulnerability Management or other upper level major elective‡	3
CSEC 4312 - Cloud Security or other upper-level major elective‡	3	CSEC 4396 - Cyber Security Capstone 2	3
CSEC 4395 - Cyber Security Capstone 1	3		
Semester Total:	15	Semester Total:	12
Total credit hours for the degree: 121			

* Students should consider taking MATH 1451 and MATH 1452 (Calculus I and II) instead of Applied Calculus to provide more degree and graduate school options in the future

† After taking PHYS 1321/1121 or CHEM 1402, students should complete the year via the next course in sequence (PHYS 1322/1122 or CHEM 1403). Students should also consider taking the sequence PHYS 2321/2121 & PHY 2322/2122 to provide more degree and graduate school options in the future

‡ Major electives must be chosen from upper-level courses from CSEC, CPSC, IFSC, CRJU, BINS, with the approval of an advisor