

Cybersecurity, B.S.

Degree Type

Major

Bachelor of Science plan is designed for students seeking a career in cybersecurity focused on the research and development of software and systems for protecting digital assets.

Requirements for the Major

Item #	Title	Credits
CPSC 151	Computer Science I	4
CPSC 152	Computer Science II	4
CPSC 240	Introduction to Computer Security	3
CPSC 245	Internetworking: Routing and Switching	3
CPSC 275	Data Structures and Algorithms	3
CPSC 277	Computer Ethics	3
CPSC 330	Computer Organization and Assembly Language	4
CPSC 340	Computer Forensics	3
CPSC 370	Operating Systems	3
CPSC 373	Writing for Mathematics and Computer Science	2
CPSC 380	Data Base Design	3
CPSC 405	Cryptography	3
CPSC 440	Data Communications and Network Architecture	3
CPSC 450	Network Security	3
CPSC 470	Operating System Security	3
CPSC 477	Seminar in Mathematics and Computer Science	2
CPSC 490	Senior Project	2-4
CPSC 495	Comprehensive Exams	
CRJU 201	Criminal Law and Procedures I	3
MATH 201	Calculus I	4
MATH 202	Calculus II	4
MATH 210	Discrete Mathematics	3
MATH 383	Probability & Statistics I	3

Strongly recommended:

Item #	Title	Credits
CPSC 205	Web Design	3
CPSC 230	Project Management	3

During the first semester, beginning students are expected to complete:

Students in this major are highly encouraged to minor in criminal justice and/or mathematics.

Item #	Title	Credits
CPSC 151	Computer Science I	4
MATH 201	Calculus I	4
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