B.S. in Cyber Security (Comprehensive Major)
Four Year Curriculum Guide (Odd Years)
Department of Mathematics and Computer Science

Year 1 — Fall Semester

Course #	Title	Cr.
CS 101	Logic and Computing (fall only)	3
SEC 180	Foundations of Computer Security (fall even)	3
HSEC 180	Introduction to Homeland Security (fall)	3
ENG 101	Composition I (Core 1)	3
CORE	Institutional Requirement (Core 2)	3
	TOTAL	15

Year 1 — Spring Semester

Course #	Title	Cr.
SEC 190	Cybersecurity Management (spring even)	3
ENG 102	Composition II (Core 3)	3
CORE	Institutional Requirement (Core 4)	3
CORE	Institutional Requirement (Core 5)	3
CORE	Institutional Requirement (Core 6)	3
	TOTAL	15

Year 2 — Fall Semester

Course #	Title	Cr.
SEC 295	Digital Forensics and Investigation (fall even)	3
PSYCH 101	General Psychology I (Core 7)	3
CORE	Institutional Requirement (Core 8)	3
CORE	Institutional Requirement (Core 9)	3
CORE	Institutional Requirement (Core 10)	3
	TOTAL	15

Year 2 — Spring Semester

Course #	Title	Cr.
SEC 185	Cyber Ethics (spring odd)	3
SEC 290	Communication & Network Security (spring odd)	3
CS 221	The Linux Operating System (spring odd)	3
CORE	Institutional Requirement (Core 11)	3
GENERAL	General Elective (1)	3
	TOTAL	15

Year 3 — Fall Semester

Course #	Title	Cr.
SEC 380	Linux Security (fall odd)	3
SEC 381	Hacker Tools and Techniques (fall odd)	3
CORE	Institutional Requirement (Core 12)	3
CORE	Institutional Requirement (Core 13)	3
CORE	Institutional Requirement (Core 14)	3
	TOTAL	15

Year 3 — Spring Semester

Course #	Title	Cr.
SEC 280	Windows Security (spring even)	3
SEC 480	Mobile Security (spring even)	3
MATH 108	Introductory Statistics (Core 15)	3
ELECTIVE	Cyber Security Elective (1)	3
GENERAL	General Elective (2)	3
	TOTAL	15

Year 4 — Fall Semester

Course #	Title	Cr.
CJ 242	Criminology (fall)	3
SEC 485	Advanced Computer Security (fall even)	3
GENERAL	General Elective (3)	3
GENERAL	General Elective (4)	3
GENERAL	General Elective (5)	3
	TOTAL	15

Year 4 — Spring Semester

Course #	Title	Cr.
CS/CJ	Internship	3
ELECTIVE	Cyber Security Elective (2)	3
ELECTIVE	Cyber Security Elective (3)	3
GENERAL	General Elective (6)	3
GENERAL	General Elective (7)	3
	TOTAL	15

120 hours

B.S. in Cybersecurity (Comprehensive Major)
Four Year Curriculum Guide (Even Years)
Department of Mathematics and Computer Science

Year 1   Fall Semester

Course #	Title	Cr.
CS 101	Logic and Computing (fall only)	3
SEC 180	Foundations of Computer Security (fall)	3
HSEC 180	Introduction to Homeland Security (fall)	3
ENG 101	Composition I (Core 1)	3
CORE	Institutional Requirement (Core 2)	3
	TOTAL	15

Year 1   Spring Semester

Course #	Title	Cr.
SEC 185	Cyber Ethics (spring odd)	3
SEC 290	Communication & Network Security (spring odd)	3
ENG 102	Composition II (Core 3)	3
MATH 108	Introductory Statistics (Core 4)	3
CORE	Institutional Requirement (Core 5)	3
	TOTAL	15

Year 2   Fall Semester

Course #	Title	Cr.
PSYCH 101	General Psychology I (Core 6)	3
SEC 381	Hacker Tools and Techniques (fall odd)	3
CORE	Institutional Requirement (Core 7)	3
CORE	Institutional Requirement (Core 8)	3
CORE	Institutional Requirement (Core 9)	3
	TOTAL	15

Year 2   Spring Semester

Course #	Title	Cr.
SEC 190	Cybersecurity Management (spring even)	3
SEC 280	Windows Security (spring even)	3
CORE	Institutional Requirement (Core 10)	3
CORE	Institutional Requirement (Core 11)	3
GENERAL	General Elective (1)	3
	TOTAL	15

Year 3   Fall Semester

Course #	Title	Cr.
SEC 295	Digital Forensics and Investigation (fall even)	3
SEC 485	Advanced Computer Security (fall even)	3
CJ 242	Criminology (fall)	3
CORE	Institutional Requirement (Core 12)	3
CORE	Institutional Requirement (Core 13)	3
	TOTAL	15

Year 3   Spring Semester

Course #	Title	Cr.
CS 221	The Linux Operating System (spring odd)	3
ELECTIVE	Cybersecurity Elective (1)	3
CORE	Institutional Requirement (Core 14)	3
GENERAL	General Elective (2)	3
GENERAL	General Elective (3)	3
	TOTAL	15

Year 4   Fall Semester

Course #	Title	Cr.
SEC 380	Linux Security (fall odd)	3
ELECTIVE	Cybersecurity Elective (2)	3
CORE	Institutional Requirement (Core 15)	3
GENERAL	General Elective (4)	3
GENERAL	General Elective (5)	3
	TOTAL	15

Year 4   Spring Semester

Course #	Title	Cr.
SEC 480	Mobile Security (spring even)	3
CS/CJ	Internship	3
ELECTIVE	Cybersecurity Elective (3)	3
GENERAL	General Elective (6)	3
GENERAL	General Elective (7)	3
	TOTAL	15

120 hours