

Cybersecurity (grid only)

Course Sequence:

Semester 1

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
CIS 103 - Computer Applications & Concepts		3 credits	Technological Competency
CIS 150 - Network Technology		4 credits	
ENGL 101 - English Composition I		3 credits	Writing/Research/Info Lit 1
FNMT 118 - Intermediate Algebra or Higher Math	FNMT 118: FNMT 017 or FNMT 019 completed or FNMT 118 (or higher) placement	3 credits	Quantitative Reasoning
General Elective		3 credits	

Semester 2

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
CIS 152 - Introduction to Cybersecurity	CIS 150 which may be taken concurrently	3 credits	
CIS 155 - Principles of Operating Systems		3 credits	
MATH 121 - Computer Mathematics and Logic	FNMT 017 or FNMT 019 completed or FNMT 118 (or higher) placement	3 credits	
ENGL 102 - The Research Paper	ENGL 101 with a grade of "C" or better	3 credits	Writing/Research/Info Lit 2

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
ENGL 115 - Public Speaking or ENGL 117 - Group and Team Communication	ENGL 101 , which may be taken concurrently	3 credits	Oral Communication/Creative Expression

Semester 3

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
CIS 106 - Introduction to Computer Programming or CIS 114 - JavaScript 1		4 credits	
CIS 204 - Fundamentals of Linux and Unix	CIS 105 or CIS 155	3 credits	
CIS 252 - Managing Network Servers	CIS 150	4 credits	
CIS 259 - Computing and Network Security	CIS 150 with a grade of "C" or better	4 credits	

Semester 4

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
SOC 101 - Introduction to Sociology or SOC 115 - Gender and Society or ANTH 112 - Cultural Anthropology	For SOC 115: ENGL 101 with a C or better	3 credits	Cultural Analysis and Interpretation
PHYS 105 - Survey of Physics (preferred) or AET 102 - Science, Technology and Public Policy	For PHYS 105: FNMT 017 or FNMT 118 or higher placement For AET 102: ENGL 098 , ENGL	3 or 4 credits	Scientific Reasoning

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
	098 ESL, ENGL 098/108, ENGL 101/109 (CLC) or higher placement. Open to students at FNMT 017 level or higher, however, if students are at FNMT 017 level they must take FNMT 017 concurrently.		
CIS 261 - Cyber Investigation	CIS 155	4 credits	
CIS 274 - Ethical Hacking & Penetration Testing	CIS 152 and CIS 259	4 credits	

Minimum Credits Needed to Graduate: 60

Courses and Completion Sequence:

Semester 1

Course Number and Name	Credits	Advisory Notes
CIS 103 - Computer Applications & Concepts	3 credits	Fulfills Technological Competency requirement
CIS 150 - Network Technology	4 credits	CIS 150 is a prerequisite for CIS 152 Critical course as it is a prerequisite for CIS 252, and 259
ENGL 101 - English Composition	3 credits	ENGL 101 is prerequisite for ENGL 102 and 117, and SOC 115 Fulfills Writing, Research, Info Lit 1 requirement

Course Number and Name	Credits	Advisory Notes
FNMT 118 - Intermediate Algebra or above	3 credits	Fulfills Quantitative Reasoning requirement
Choose Any Course	3 credits	General Elective

Semester 2

Course Number and Name	Credits	Advisory Notes
CIS 152 - Introduction to Cybersecurity	3 credits	CIS 150 is prerequisite. CIS 152 is the prerequisite for CIS 274
CIS 155 - Principles of Operating Systems	3 credits	CIS 155 is the prerequisite for CIS 204 & 261
MATH 121 - Computer Mathematics and Logic	3 credits	
ENGL 102 - The Research Paper	3 credits	For ENGL 102: ENGL 101 with a C or better is a prerequisite Fulfills Writing, Research, Info Lit 2 requirement
ENGL 115 - Public Speaking or ENGL 117 - Group and Team Communication	3 credits	For ENGL 115 and ENGL 117, ENGL 101 is prerequisite, which may be taken concurrently Fulfills Oral Communication/Creative Expression requirement

Semester 3

Course Number and Name	Credits	Advisory Notes
CIS 106 – Introduction to Programming or CIS 114 - JavaScript I	4 credits	

Course Number and Name	Credits	Advisory Notes
CIS 204 - Fundamentals of Linux and Unix	3 credits	CIS 105 or CIS 155 is prerequisite.
CIS 252 - Managing Network Servers	4 credits	CIS 150 is prerequisite.
CIS 259 - Computing and Network Security	4 credits	CIS 150 ("C" or better) is prerequisite. CIS 259 is prerequisite for CIS 274.

Semester 4

Course Number and Name	Credits	Advisory Notes
SOC 101 - Introduction to Sociology or SOC 115 - Gender and Society or ANTH 112 - Cultural Anthropology	3 credits	For SOC 115: ENGL 101 is prerequisite Fulfills Cultural Analysis & Interpretation requirement
PHYS 105 - Survey of Physics (preferred) or AET 102 - Science, Technology and Public Policy	3 or 4 credits	Fulfills Scientific Reasoning requirement
CIS 261 - Cyber Investigation	4 credits	CIS 155 is the prerequisite For CIS 274: CIS 152 and CIS 259 are prerequisites
CIS 274 - Ethical Hacking & Penetration Testing	4 credits	CIS 152 and CIS 259 are prerequisites