



Cyber Security

Associate in Applied Science

Four Semester Pathway Academic Year 2025-2026

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective - Computer Science & Information Technology Pathway				1	
MATH 125	Intro. To Discrete Mathematics		MATH 040		3	
ENGL 100	English Composition		ENGL 080		3	
CMIT 105	Network Fundamentals			ENGL 080, MATH 040	3	
CMIT 100	Introduction to Information Technology			ENGL 080, MATH 040	3	
Semester 2						
ENGL 115	Introduction to Literature		ENGL 100		3	
ENGL 110	Oral Communications		ENGL 080		3	
	MATH Elective (MATH 140 or Higher)		MATH 040		3 or 4	
INSC 170	Computer Forensics		ENGL 080, MATH 040		4	
INSC 160	Fundamentals of Network Security		CMIT 100, CMIT 105, MATH 040	ENGL 100 or ENGL 101	4	
Semester 3						
CMIT 225	Routing and Switching Fundamentals		CMIT 100, CMIT 105		3	
INSC 270	Information Security and Ethics		INSC 160		4	
	Computer/Technical Elective	See List Below (INSC 260 is required for INSC/CMIT double majors)	See course prerequisites	See course corequisites	3	
	Social Science Elective	PSYC 100 Psychology OR SOCI 100 Sociology	See course prerequisites	See course corequisites	3	
	Science with a Lab		See course prerequisites	See course corequisites	4	
Semester 4						
CMIT 140	Computer/Technical Elective	See List Below (CMIT 140 Virtualization Fundamentals)	See course prerequisites	See course corequisites	3	
INSC 280	Ethical Hacking		CMIT 225, INSC 160		4	
	Social Science Elective		See course prerequisites	See course corequisites	3	
	MATH Elective (MATH 140 or Higher)	Discrete Math	See course prerequisites	See course corequisites	3 or 4	
				Total Credits	60	

Computer/Technical Electives include: CMIT 110 Database Fundamentals, CMIT 120 Linux System Administration, CMIT 135 Scripting for IT, CMIT 140 Virtualization Fundamentals, CMIT 215 Microsoft Client OS, CMIT 220 Windows/Active Directory Fundamentals, CMIT 240 Advanced Virtualization, CMIT 270 Project Management, CNMS 165 Website Production, CNMS 275 Web Application Programming, COMM 201 Technical Writing/Communication, CSCI 110 Principles of Computer Science, INSC 260 Management of Information Security, and INSC 275 Cyberlaw

[Advice on Choosing Electives](#)

Cyber Security

General Education Requirements					
Course Code	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
ENGL 115	Introduction to Literature	ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective - Computer Science & Information Technology Pathway			1	
MATH 125	Introduction to Discrete Mathematics	MATH 040		3	
	Science Elective with Lab			4	
ENGL 110	Oral Communications	ENGL 080		3	
	Social Science Electives			6	

Major Required Courses					
Course Code	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
CMIT 100	Introduction to Information Technology		ENGL 080, MATH 040	3	
CMIT 105	Network Fundamentals		ENGL 080, MATH 040	3	
CMIT 225	Routing and Switching Fundamentals	CMIT 100, CMIT 105		3	
INSC 160	Fundamentals of Network Security	CMIT 100, CMIT 105, MATH 040	ENGL 100 or ENGL 101	4	
INSC 170	Computer Forensics	ENGL 080, MATH 040		4	
INSC 270	Information Security and Ethics	INSC 160		4	
INSC 280	Ethical Hacking	CMIT 225, INSC 160		4	
MATH ELE	Math Elective (MATH 140 or Higher)	MATH 040		6	
CMIT/TECH ELE	Computer/Technical Elective			6	

Computer/Technical Electives include:

CMIT 110 Database Fundamentals
 CMIT 120 Linux System Administration
 CMIT 135 Scripting for IT
 CMIT 140 Virtualization Fundamentals
 CMIT 215 Microsoft Client OS
 CMIT 220 Windows/Active Directory Fundamentals
 CMIT 240 Advanced Virtualization
 CMIT 270 Project Management
 CNMS 165 Website Production
 CNMS 275 Web Application Programming
 COMM 201 Technical Writing/Communication
 CSCI 110 Principles of Computer Science
 INSC 260 Management of Information Security
 INSC 275 Cyberlaw

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