



Cyber Security
Associate in Applied Science
Full-Time 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	
CMIT 100	Introduction to Information Technology			ENGL 080, MATH 040	3	
Semester 2					7	
ENGL 100	English Composition		ENGL 080		3	
CMIT 105	Network Fundamentals			ENGL 080, MATH 040	3	
Semester 3					6	
ENGL 115	Introduction to Literature		ENGL 100		3	
	MATH Elective (MATH 140 or Higher)		MATH 040		3	
Semester 4					6	
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 5					8	
CMIT 225	Routing and Switching Fundamentals		CMIT 100, CMIT 105		3	
INSC 270	Information Security and Ethics		INSC 160		4	
Semester 6					7	
ENGL 110	Oral Communications		ENGL 080		3	
	Science with a Lab		See course prerequisites	See course corequisites	4	
Semester 7					7	
	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	
Semester 8					6	
	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	
Semester 9					7	
	Social Science Elective		See course prerequisites	See course corequisites	3	
	MATH Elective (MATH 140 or Higher)	MATH 225 Discrete Math	See course prerequisites	See course corequisites	3	
					6	
				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](#)



SOUTHERN
MAINE
COMMUNITY
COLLEGE

Associate in Applied Science Cu Worksheet

Cyber Security

General Education Requirements

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

Major Required Courses

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

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

2025-2026

Curriculum

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CREDITS	MET
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