



Information Technology
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	Introduction to Discrete Mathematics		MATH 040		3	
ENGL 100	English Composition		ENGL 080		3	
CMIT 100	Introduction to Information Technology			MATH 040, ENGL 080	3	
CMIT 105	Networking Fundamentals			MATH 040, ENGL 080	3	
MATH 155 OR	Statistics	Transfer Track		MATH 040	3	
	Information Technology Elective	Career Track	See course prerequisites	See course corequisites		
Semester 2						
ENGL 115	Introduction to Literature		ENGL 100 or ENGL 101		3	
CMIT 120	Linux System Administration		CMIT 100, CMIT 105		3	
CMIT 140	Virtualization Fundamentals		CMIT 100, CMIT 105		3	
CNMS 165 OR	Website Production	Transfer Track	CMIT Program Acceptance		3-4	
INSC 160	Fundamentals of Network Security	Career Track	CMIT 100, CMIT 105, MATH 040	ENGL 100 or ENGL 101		
CSCI 110 OR	Principles of Computer Science	Transfer Track	MATH 040		3-4	
	Information Technology Elective	Career Track	See course prerequisites	See course corequisites		
Semester 3						
CMIT 215	Microsoft Client Operating Systems		CMIT 100, CMIT 105		3	
CMIT 225	Routing and Switching Fundamentals		CMIT 100, CMIT 105		3	
ENGL 110	Oral Communications		ENGL 080		3	
CMIT 220 OR	Windows Server and Active Directory Fundamentals	Transfer Track	CMIT 100, CMIT 105		3	
	Information Technology Elective	Career Track	See course prerequisites	See course corequisites		
MATH 140 OR	College Algebra	Transfer Track	MATH 040		3	
	Information Technology Elective	Career Track	See course prerequisites	See course corequisites		
Semester 4						
CMIT 295	Senior Capstone Project		CMIT 215		3	
CNMS 275 OR	Web Applications	Transfer Track	CNMS 165		3	
	Information Technology Elective	Career Track	See course prerequisites	See course corequisites		
	Science Elective with Lab		See course prerequisites	See course corequisites	4	
	Social Science Elective	PSYC 100 Intro to Psychology	See course prerequisites	See course corequisites	3	
	Social Science Elective	SOCI 100 Intro to Sociology	See course prerequisites	See course corequisites	3	
				Total Credits	63	

Double majors of IT/Cyber Security need to take INSC 260 Management of Information Security as an elective so they will have the 15 credits minimum to qualify for an INSC AAS. INSC 160 is required for both majors, so can't be used for the total INSC AAS credits for the major.

[Advice on Choosing Electives](#)

Information Technology

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 Electivewith Lab			4	
ENGL 110	Oral Communication	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 120	Linux System Administration	CMIT 100, CMIT 105		3	
CMIT 140	Virtualization Fundamentals	CMIT 100, CMIT 105		3	
CMIT 215	Microsoft Client Operating Systems	CMIT 100, CMIT 105		3	
CMIT 225	Routing and Switching Fundamentals	CMIT 100, CMIT 105		3	
CMIT 295	Senior Capstone Project	CMIT 215		3	

Select one area of focus from the following tracks:

Transfer Track					
CMIT 220	Windows Server and Active Directory Fundamentals	CMIT 100, CMIT 105	CMIT 215	3	
CNMS 165	Website Production	CMIT, CNMS, or CSCI Program Acceptance		3	
CNMS 275	Web Application Programming	CNMS 165		3	
CSCI 110	Principles of Computer Science	MATH 040		4	
MATH 140	College Algebra	MATH 040		3	
MATH 155	Statistics	MATH 040		3	

Career Track					
INSC 160	Fundamentals of Network Security	CMIT 100, CMIT 105, MATH 040	ENGL 100 or ENGL 101	4	
	Information Technology Electives			15	

Information Technology Electives include:

CMIT135 Scripting for IT
CMIT220 Windows Server and Active Directory Fundamentals
CMIT240 Advanced Virtualization
CMIT250 Advanced Active Directory
CMIT270 Project Management
CNMS165 Website Production
CNMS275 Web Application Programming
COMM201 Technical Writing

CSCI110 Principles of Computer Science
INSC170 Computer Forensics
INSC260 Management of Information Security
INSC270 Information Security and Ethics
INSC275 Cyberlaw
INSC280 Ethical Hacking
MATH140 College Algebra
MATH155 Statistics