Southern Maine Community College

Computer Science (Career Track)
Associate in 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	
ENGL 100	English Composition		ENGL 080		3	
CSCI 110	Principles of Computer Science		MATH 040		4	
MATH 140 AND	College Algebra		MATH 040		3	
MATH 146 OR	Introduction to Trigonometry		MATH 040	MATH 140	1	
	Computer Science Elective 1	See list on reverse side	See course prerequisites	See course corequisites	3	
Semester 2						
ENGL 110	Oral Communications		ENGL 080		3	
CSCI 160	Object Oriented Design and Programming		CSCI 110		4	
	Social Science Elective 1	See list on reverse side	See course prerequisites	See course corequisites	3	
	Computer Science Elective 2	See list on reverse side	See course prerequisites	See course corequisites	3	
MATH 225	Discrete Mathematics		MATH 140 or higher, ENGL 080		3	
Semester 3						
	Computer Science Elective 3	See list on reverse side	See course prerequisites	See course corequisites	3	
CSCI 290	Data Structures		CSCI 160		4	
COMM 201	Technical Writing		ENGL 100		3	
	Social Science Elective 2	See list on reverse side	See course prerequisites		3	
	Science Elective with Lab		See course prerequisites	See course corequisites	4	
Semester 4						
ENGL 115	Introduction to Literature		ENGL 100 or ENGL 101		3	
	Computer Science Elective 4	See list on reverse side	See course prerequisites	See course corequisites	3	
	Social Science Elective 3	See list on reverse side	See course prerequisites	See course corequisites	3	
	Computer Science Elective 5	See list on reverse side	See course prerequisites	See course corequisites	3	
MATH 155	Statistics		MATH 040		3	
				Total Credits	63	

Advice on Choosing Electives

SOUTHERN MAINE COMMUNITY COLLEGE

Associate in Applied Science Curriculum Worksheet

Computer Science (Career Track)

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 225	Discrete Mathematics	ENGL 080, MATH 140		3	
	Science Elective with Lab*			4	
ENGL 110	Oral Communications	ENGL 080		3	
	Social Science Elective 1			3	
	Social Science Elective 2**			3	
	Social Science Elective 3***			3	

Major Required Courses

Course Code	Course Title	Prerequisites	Corequisites	Credits	Met
COMM 201	Technical Writing/Communications	ENGL 100 or ENGL 101		3	
CSCI 110	Principles of Computer Science	MATH 040		4	
CSCI 160	Object Oriented Design and Programming	CSCI 110		4	
CSCI 290	Data Structures	CSCI 160		4	

Career Track

Course Code	Course Title	Prerequisites	Corequisites	Credits	Met
MATH 140	College Algebra	MATH 040		3	
MATH 146	Introduction to Trigonometry	MATH 040	MATH 140	1	
MATH 155	Statistics	MATH 040		3	
	Computer Science Electives (see below)			15	

Computer Science Electives:
CNMS150 Introduction to iOS App Design
CNMS165 Website Production
CNMS265 Advanced Website Production
CNMS266 Scripting for the Web
CNMS275 Web Application Programming
MATH190 Pre-Calculus
MATH260 Calculus I
MATH270 Calculus II
CMIT100 Intro to Information Technology
CMIT105 Network Fundamentals
CMIT110 Database Fundamentals
CMIT120 Linux System Administration
CMIT135 Scripting for IT
CMIT140 Virtualization Fundamentals

CSCI230 Mobile Application Development
CSCI250 Computer Organization
CSCI260 Database Management Systems
CSCI265 C# Programming
CSCI275 Programming in C++
CSCI296 Systems Programming in C
CSCI298 Topics in Computer Science
ELEC130 Programmable Logic Controllers
GISS150 Intro to Geographic Info Systems
INSC160 Fundamentals of Network Security
INSC170 Computer Forensics
INSC260 Management of Information Security
INSC270 Information Security & Ethics
INSC275 Cyberlaw
INSC280 Ethical Hacking.

2025-2026