Computer Science
Associate of Science

General Program Information: 410-287-1000 or information@cecil.edu

This program prepares students to transfer to a four year institution for continued study in computer science. Computer scientists apply techniques to work with industry, the government and academia to solve computational challenges. Students with bachelor's degrees in computer science continue their education I graduate school or enter the work force.

	General Education Requirements	Gen. Ed. Code	Credits
ART/HUM	Arts and Humanities Elective	H	3
SCI*	BIO, ENV, CHM, PSC OR PHY	S/SL	8
EGL 101	College Composition	E	3
EGL 102	Composition and Literature	H	3
MAT 121	Precalculus	M	4
SOC SCI	Social Science Elective	SS	6
SPH 121	Interpersonal Communication	H	3
	Program Requirements		
CSC 104	Computer Science Fundamentals I		3
CSC 109	Introduction to Programming		3
CSC 205	Computer Science I		3
CSC 218	Computer Science II		4
MAT 201	Calculus I with Analytic Geometry	M	4
MAT 202	Calculus II with Analytic Geometry	M	4
MAT 236	Discrete Structures	M	3
MAT 240	Intro to Linear Algebra	M	4
PHE or CSC	Elective		2

Total Credits Required in Program: 60

* Transfers to BS program require 2 semesters of same science discipline, BA programs allow sciences to be in same of different disciplines

Upon successful completion of this program, students will be able to:

- Analyze a problem; then identify and describe the computing requirements appropriate to its solution
- Create or evaluate computer-based systems or processes as a solution for desired results or outcomes
- Apply algorithmic principles and computer science theory in modeling problems and processes in the physical world
- Communicate and function effectively on teams working towards a common goal