

Programming Certificate

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

This certificate develops skills in programming and various languages as well as providing basic courses in operating systems, Web programming, business systems, networking and data communications.

	<i>Certificate Requirements</i>	<i>Credits</i>
CSC 103	Operating Systems	3
CSC 104	Computer Science Fundamentals	3
CSC 106	Introduction to Programming Logic	3
CSC 109	Introduction to Programming	3
CSC 182	Web Application Development	3
CSC	Computer Science electives	6
VCP 144	Web Design I – Design Fundamentals	3

Total Credits Required in Certificate: 24

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

- Analyze problems and develop algorithms
- Describe object oriented programming concepts
- Create applications in compiled and interpreted programming languages
- Apply the fundamentals of operating systems and networks
- Create technical documentation