

**Degree Offered**

Associate in Science  
Computer Science

**Curriculum Code: 552****Program Information**

This program prepares students to continue their education at a four-year college or university in fields such as computer science, computer information sciences and information systems management. The program parallels the computer science offerings at four-year colleges and universities.

**When You Graduate**

AS programs are primarily designed for students who plan to transfer as juniors to four-year colleges and universities. CCC graduates have obtained bachelor's degrees and beyond from every college in New Jersey and scores of colleges and universities throughout America. Cumberland has transfer agreements with a number of four-year colleges and universities.

As a graduate of a fully accredited community college, your coursework will be received with full credit transfer at most state colleges, public and private universities across the country. The NJ Lampitt bill passed in 2008 by the NJ State legislature assures seamless transfer of credits toward junior standing at NJ state colleges and universities.

**Earn a BA, MA at CCC**

Once you graduate from Cumberland County College, you can earn a bachelor's and even a master's degree at the on-campus Shirlee and Bernard Brown University Center. CCC's University Center houses bachelor's and master's degree programs offered by Fairleigh Dickinson University, Georgian Court University, Montclair State University, Rowan University and Wilmington University.

[www.cccnj.edu](http://www.cccnj.edu)

# Computer Science

Program Requirements (29–32 credits)	Credits
<input type="checkbox"/> CS 111 Computer Science I	4
<input type="checkbox"/> CS 112 Computer Science II	4
<input type="checkbox"/> MA 111 Discrete Math	4
<input type="checkbox"/> Math Elective (MA 110 or higher*)	3/4
<input type="checkbox"/> Math Elective (MA 110 or higher*)	3/4
<input type="checkbox"/> Computer Network Management Elective <b>or</b> Program Elective	3/4
<input type="checkbox"/> Program Elective	4
<input type="checkbox"/> Program Elective	4

**General Education Requirements (33 credits)**

<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> Math Elective (MA 110 or higher*)	4
<input type="checkbox"/> Lab Science Electives (PI 141 Physics I and PI 142 Physics II Recommended)	8
<input type="checkbox"/> Diversity Elective	3
<input type="checkbox"/> Humanities Elective	3
<input type="checkbox"/> Social Science Elective	3
<input type="checkbox"/> Social Science <b>or</b> Humanities Elective	3
<input type="checkbox"/> History Elective	3

**Total Credits** **62/65**

**Program Electives:**

<input type="checkbox"/> CS 132 Web Page Development I	4
<input type="checkbox"/> CS 210 Database Management	4
<input type="checkbox"/> CS 212 C++ Programming	4
<input type="checkbox"/> CS 215 Visual Basic Programming	4
<input type="checkbox"/> CS 216 Java Programming	4

**\* Excluding MA 115****Upon completion of this program, students should be able to:**

- Apply critical thinking skills to design application programs within the context of a business system.
- Apply computing skills to develop application-based solutions within the context of a business system.
- Locate, retrieve, and critically evaluate information and information sources.
- Demonstrate competency and comprehension in selected categories of the Computer Science body of knowledge to align with current academic and professional best practices.