



# Computer Science, A.S.

[COMPSCI.AS; CIP Code 11.0101]

## Associate in Science (A.S.) – Transfer

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.

### Program Learning Outcomes

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.

Are you ready to get started at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/enroll) and complete the interest form.

### FIRST YEAR - Fall Semester

<input type="checkbox"/> CS 212 C++ Programming	4
<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> MA 130 Calculus I	4
<input type="checkbox"/> General Education Humanities Elective	3
<input type="checkbox"/> General Education Social Science Elective	3
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### Spring Semester

<input type="checkbox"/> CS 112 Computer Science II	4
<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> MA 140 Calculus II	4
<input type="checkbox"/> PI 141 General Physics I	4
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### SECOND YEAR - Fall Semester

<input type="checkbox"/> CS 203 Assembly Language and Computer Organization	4
<input type="checkbox"/> CS 216 Intermediate Java Programming	4
<input type="checkbox"/> MA__ Mathematics Elective MA 212 or MA 210*	4
<input type="checkbox"/> General Education Humanities/Social Science Elective	3
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### Spring Semester

<input type="checkbox"/> CS 232 Data Structures and Algorithms	4
<input type="checkbox"/> MA 211 Discrete Mathematics	3
<input type="checkbox"/> PI 142 General Physics II	4
<input type="checkbox"/> Free Elective	2-4
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**TOTAL MINIMUM CREDITS: 60**

### Program Electives

Humanities Elective/Social Science Elective: 9 credits must be chosen from the approved list of General Education courses listed in this catalog.

### Mathematics Electives

MA 212 Linear Algebra or MA 210 Calculus III

\*Students planning to transfer to Rowan University should take Linear Algebra MA 212 as their Mathematics elective.