# Computer Science, CERT.

[CER-CSC; CIP Code 11.0701]

## Certificate

The goal of this Certificate Program is to give the students the necessary knowledge and skills for employment. This Certificate Program also allows working professionals the opportunity to gather additional knowledge and skills while earning college credits. After completing this program, the student may decide to further his/her studies to earn an Associate degree in Computer Science by completing the remaining course requirements.

### Program Learning Outcomes

Students who have completed the program will be able to:

- Learn fundamental principles, theories, and analytical skills to solve computing problems throughout the program
- Analyze, design, choose the interface, coding, test, and debug to effectively develop error-free computer programs
- Learn computer architecture, software design, and programming that are most widely used in Engineering, Science and Technology related fields
- Identify, formulate, and solve problems and learn to adapt to evolving computer languages, systems, and industry standards

### Program Contact

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**Are you ready to get started at RCSJ?**
Visit *RCSJ.edu/Enroll* and complete the interest form.

| Course | Title | Credits |
|--------|-------|---------|
| ☐ ENG 101 | English Composition I | 3 |
| ☐ CSC 101 | Introduction to Programming | 4 |
| ☐ CSC 111 | Intermediate Programming | 4 |
| ☐ CSC 205 | Programming in C++[1] | 4 |
| ☐ CSC 210 | Object Oriented Programming in Java | 4 |
| ☐ CSC 220 | Data Structures and Algorithms[2] | 4 |
| ☐ MAT 110 | Algebra and Trigonometry | 4 |
| ☐ MAT 107 | Pre-Calculus and Mathematical Analysis | 4 |

**TOTAL CREDITS: 31**