



Engineering Technology/ Electronics Technology, CERT

[ENG.TECH.ELEC.AC; CIP Code 15.0399]

Certificate Program

This program prepares students for employment in a wide range of businesses and industries.

Experts predict that varied technical occupations will be among the hot careers during the next decade. There will be a 30 percent increase in higher-skilled, better-paying occupations in the technical fields, according to the U.S. Department of Labor. With the increased emphasis on technology, 80 percent of these jobs will require more than a high school diploma, but less than a four-year degree.

RCSJ works closely with business and industry leaders to keep its Engineering technologies curricula current.

Program Learning Outcomes

Upon Completion of this program, students should be able to:

- Successfully employ test and measurement equipment.
- Locate information resources and successfully retrieve data for employment.
- Apply algebra to analyze simple electrical circuits.
- Employ standardized industrial equipment such as PLC and be capable to apply the principles of quality control.

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"/> EN101 English Composition I	3
<input type="checkbox"/> MA 110 College Algebra or MA 121 Pre-Calculus	3-4
<input type="checkbox"/> IT 218 Programmable Logic Controllers	3
<input type="checkbox"/> IT 107 Circuits I	3
<input type="checkbox"/> EG 101 Introduction to Engineering	<u>2</u>
	14-15

Spring Semester

<input type="checkbox"/> EN102 English Composition II or EN103 Technical Writing	3
<input type="checkbox"/> EG 103 Introduction to Engineering Laboratory	2
<input type="checkbox"/> IT 205 Digital Electronics	3
<input type="checkbox"/> Program Elective*	3-4
<input type="checkbox"/> Program Elective*	<u>4</u>
	15-16

TOTAL MINIMUM CREDITS: 30

*Program Electives

CS 111 Computer Science I	4
MA 120 Trigonometry	3
PI 104 Energy, the Environment and Society	3