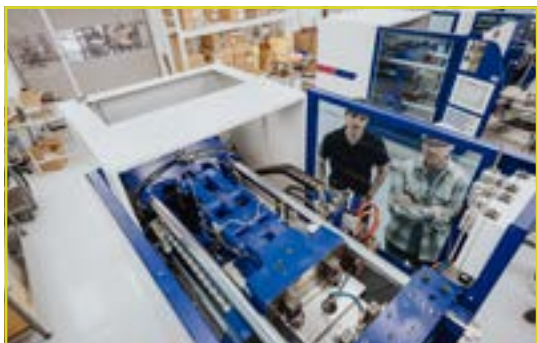




Certificate Program

This certificate program focuses on the basics of electronics. Upon completion of this program, students will be able to: Successfully employ test and measurement equipment; apply algebra to analyze simple electrical circuits; and employ standardized industrial equipment such as PLC and be capable to apply the principles of quality control.

Engineering Technology/ Electronics Technology, COA

Engineering Technology/Electronics Technology, COA
[ENGRELCOA; CIP Code 15.1199]

FIRST YEAR – Fall Semester

☐ ENGR 102 First-Year Engineer Clinic I	2
☐ ETEC 107 Circuits I	3
☐ ETEC 205 Digital Electronics	3
☐ ETEC 218 Programmable Logic Controllers	3
☐ MATH 114 College Algebra or MATH 110 Algebra and Trigonometry or MATH 120 Pre-Calculus and Mathematical Analysis or MATH 121 Pre-Calculus Mathematics	3-4
☐ _____ Program Elective	3-4
	17-19

TOTAL MINIMUM CREDITS: 17

Program Electives

MATH 118 College Trigonometry	3
PHYS 104 Energy, The Environment and Society	3
CSCI 121 Introduction to Programming	4

Engineering Technology/Electronics Technology, CERT –
[ENGRELCERT; CIP Code 15.0399]



FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I or ENGL 101E Enhanced English Composition I	3-4
☐ MATH 114 College Algebra or MATH 110 Algebra and Trigonometry or MATH 120 Pre-Calculus and Mathematical Analysis or MATH 121 Pre-calculus Mathematics	3-4
☐ ETEC 218 Programmable Logic Controller	3
☐ ETEC 107 Circuits I	3
☐ ENGR 102 First Year Engineering Clinic I	2
	15-16

Spring Semester

☐ ENGL 102 English Composition II or ENGL 103 Technical Writing	3
☐ ENGR 108 Digital Electronics for Engineers	3
☐ _____ Program Elective	3-4
☐ _____ Program Elective	4
	13-14

TOTAL MINIMUM CREDITS: 30

Program Electives

CSCI 121 Introduction to Programming	4
MATH 118 College Trigonometry	3
PHYS 104 Energy, The Environment and Society	3

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