Electrical Engineering Technology, A.A.S.

[ELEC-ENG-AAS; CIP Code 15.0612]

Associate in Applied Science - Career

This program prepares students for entry-level employment in the fields of electronic, mechatronics, and manufacturing as well as transfer into baccalaureate programs leading to careers in manufacturing, product development, management, and engineering technology across robotics, automotive, and various other industrial fields.

The flexibility offered by this program allows for entrance directly into the workforce or transfer into a BS in Engineering Technology program.

Program Contact

Dr. Cortney Bolden
Engineering Administrative Instructor
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Are you ready to get started at RCSJ? Visit ***RCSJ.edu/Enroll*** and complete the interest form.

FIRST YEAR - Fall Semester		
❑	ENG 101 English Composition I	3
❑	ENR 102 First Year Engineering Clinic I	2
❑	ETEC 107 Circuits I	3
❑	MAT 107 Pre-Calculus and Mathematical Analysis	4
❑	PHY 103 General Physics I	4
		16
Spring Semester		
❑	ENG 102 English Composition II	3
❑	MAT 108 Calculus I	4
❑	ENR 103 First Year Engineering Clinic II	2
❑	PHY 104 General Physics II	4
❑	CSC 205 Programming in C++	4
		17
SECOND YEAR - Fall Semester		
❑	ENR 201 Sophomore Engineering Clinic I	1
❑	ETEC 205 Digital Electronics	3
❑	ECO 101 Principles of Economics I (Macro) OR ECO 102 Principles of Economics II (Micro)	3
❑	ETEC 227 Circuits II	3
❑	ETEC 111 Electronics	4
		14
Spring Semester		
❑	ENR 202 Sophomore Engineering Clinic II	1
❑	ETEC 241 Robotics and Motion Control	3
❑	ETEC 218 Programmable Logic Controllers	3
❑	SPE 101 Oral Communication	3
❑	ETEC 244 Instrumentation & Measurement	3
		13

TOTAL CREDITS: 60

Program Learning Outcomes

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

- Conduct tests, measurements, and experiments to analyze and interpret results.
- Apply algebra to analyze simple electrical circuits.
- Employ standardized industrial equipment such as Programmable Logic Controllers and apply the principles of quality control.
- Understand industrial and commercial robotics technology.
- Design solutions for technical problems and assist with the engineering design of systems, components or processes related to electrical engineering