Electrical Engineering Technology, A.A.S.

[ENGRTECAAS; CIP Code 15.0612]

Associate in Applied Science (A.A.S.) – 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 fields in manufacturing, product development, management, and engineering technology across robotics, automotive, medical, and various industrial fields.

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

FIRST YEAR — Fall Semester	
❑ ENGL 101 English Composition I ***or*** ENGL 101E Enhanced English Composition I	3–4
❑ ENGR 102 First Year Engineering Clinic I	2
❑ ETEC 107 Circuits I	3
❑ MATH 120 Pre-Calculus and Mathematical Analysis ***or*** MATH 121 Pre-calculus Mathematics	4
❑ PHYS 123 General Physics I	4
	16–17
Spring Semester	
❑ ENGL 102 English Composition II	3
❑ MATH 130 Calculus I	4
❑ ENGR 103 First Year Engineering Clinic II	2
❑ PHYS 124 General Physics II	4
❑ CSCI 205 Programming in C++	4
	17
SECOND YEAR — Fall Semester	
❑ ENGR 201 Second Year Engineering Clinic I	1
❑ ETEC 205 Digital Electronics	3
❑ ECON 101 Principles of Economics (Macro) ***or*** ECON 102 Principles of Economics (Micro)	3
❑ ETEC 111 Electronics	4
	16
Spring Semester	
❑ ENGR 202 Second Year Engineering Clinic II	1
❑ ETEC 241 Robotics and Motion Control	3
❑ ETEC 218 Programmable Logic Controller	3
❑ SPEH 101 Effective Speech	3
❑ ETEC 244 Instrumentation & Measurement	3
	13

TOTAL MINIMUM CREDITS: 60

Program Learning Outcomes

Students who have completed the program 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

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