Rowan College of South Jersey
Academic Certificate in
Engineering Technology/Electronics Technology
Transfer Program Requirements
Suggested Four Semester Sequence of Courses

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. Students who have completed the program will 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.

First Year

Fall Semester

		Credits
___CM 126	Industrial Wiring	3
___CS 101	Introduction to Microcomputers OR Computer Science Elective	3
___EN 101	English Composition I	3
___IT 107	Circuits I	3
___IT 111	Electronics	4
		16

Spring Semester

___IT 205	Digital Electronics	3
___IT 218	Programmable Logic Controllers	3
___MA 110	College Algebra	3
___PI 124	Fundamentals of Physics II	4
___	Program Elective*	3
		15

	Total Minimum Credits:	**31**

<div align="center">

Rowan College of South Jersey
Academic Certificate in
Engineering Technology/Electronics Technology
Transfer Program Requirements

Required Core and Elective Courses

</div>

		Credits
Communications		
EN 101	English Composition I	3
Mathematics		
MA 110	College Algebra	3
Science		
PI 124	Fundamentals of Physics II	4
Technology		
CS 101	Introduction to Microcomputers OR Computer Science Elective	3
Program Courses		
CM 126	Industrial Wiring	3
IT 107	Circuits I	3
IT 111	Electronics	4
IT 205	Digital Electronics	3
IT 218	Programmable Logic Controllers	3
	Program Elective*	3
	Total Minimum Credits	**31**

*Program Electives

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