

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

This program focuses on the basics of electronics. Cumberland works closely with business and industry leaders to keep its Engineering technologies curricula current. Students who have completed the program will be able to:

- Successfully employ test and measurement equipment.
- 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**

		<b>Credits</b>
___ IT 107	Circuits I	3
___ IT 111	Electronics	4
___ IT 205	Digital Electronics	3
___ IT 218	Programmable Logic Controllers	3
___ PI 124	Fundamentals of Physics II	4
		<b>17</b>
	<b>Total Minimum Credits:</b>	<b>17</b>

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

**Required Core and Elective Courses**

		<u>Credits</u>
<b><u>Science</u></b>		
PI 124	Fundamentals of Physics II	4
<b><u>Program Courses</u></b>		
IT 107	Circuits I	3
IT 111	Electronics	4
IT 205	Digital Electronics	3
IT 218	Programmable Logic Controllers	3
<b>Total Minimum Credits</b>		<b>17</b>