

Degree Offered

Associate in Applied Science
Engineering Technology

Curriculum Code: 570**Program Information**

This program prepares students for entry-level employment in the fields of electronics, drafting and manufacturing.

The employment opportunities in the engineering technologies field are unlimited.

Some job titles include electrician, industrial technician, electronics technician, electromechanical technician, engineering aide, service technician, quality assurance technician, production specialist, inspection superintendent and draftsman.

When You Graduate

AAS programs are designed for students who want to enter a career directly after graduating but those who change their plans find that most, sometimes all, of their CCC credits transfer to four-year colleges.

CCC graduates have transferred to every university in New Jersey and scores of universities throughout America.

The latest technology and learning tools support your education for a wide range of employment opportunities.

Earn a BA, MA at CCC

Once you graduate from Cumberland County College, you can earn a bachelor's and even a master's degree at the on-campus Shirlee and Bernard Brown University Center. CCC's University Center houses bachelor's and master's degree programs offered by Fairleigh Dickinson University, Georgian Court University, Montclair State University, Rowan University and Wilmington University.

www.cccnj.edu

Engineering Technology

Program Requirements (42 credits)	Credits
<input type="checkbox"/> EG 101 Introduction to Engineering	1
<input type="checkbox"/> EG 102 Graphics	3
<input type="checkbox"/> IT 101 Technical Drawing I	3
<input type="checkbox"/> IT 102 CAD I	3
<input type="checkbox"/> IT 105 Blueprint Reading & Sketching	2
<input type="checkbox"/> IT 107 Electrical Maintenance	3
<input type="checkbox"/> IT 111 Electronics II	4
<input type="checkbox"/> IT 162 Quality Control	3
<input type="checkbox"/> IT 205 Digital Electronics	3
<input type="checkbox"/> IT 211 CAD II	3
<input type="checkbox"/> IT 218 Programmable Logic Controllers	3
<input type="checkbox"/> MA 205 Statistics	3
<input type="checkbox"/> PI 123 Fundamentals of Physics I	4
<input type="checkbox"/> PI 124 Fundamentals of Physics II	4

General Education Requirements (21 credits)

<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> MA 110 College Algebra	3
<input type="checkbox"/> MA 120 College Trigonometry	3
<input type="checkbox"/> SO 201 Introductory Sociology	3
<input type="checkbox"/> Diversity Elective	3
<input type="checkbox"/> Humanities Elective	3

Total Credits **63**

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

- Successfully employ test and measurement equipment.
- Develop a technical drawing in free hand and computer aided format.
- 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.