

Electronics Engineering Technology

Associate of Applied Science, (AAS.EET)

The Electronics Engineering Technology program provides a solid theoretical foundation as well as practical “hands-on” laboratory experiences in Electronics. This program includes traditional EET courses as well as some computer courses to enable graduates to peruse a career as an industrial electronics-engineering technician.

The mission of the Burlington County College Electronics Engineering Technology program and Computer Servicing & Networking Technology option is to produce graduates who are able to obtain employment as a technician or transfer to a four-year college. In addition, graduates will be technically competent, able to communicate effectively, work well with others and demonstrate professionalism.

Graduates of this program should be able to:

- Find employment as a technician or transfer to a four-year college;
- Apply a broad knowledge of electronics and computer engineering technology to support manufacturing, design, testing, troubleshooting, sales, and field service of electronic and computer systems;
- Apply knowledge of analog and digital electronics and use mathematics, scientific principles, and critical thinking to creatively solve technical problems;
- Utilize computers and software in a technical environment;
- Communicate effectively both verbally and in writing;
- Work effectively as an individual and as a member of a team;
- Show a recognition of the need for professional, ethical and social responsibilities; and
- Continue professional training through conferences, seminars, courses and the pursuit of advanced degrees.

Graduates of this program can transfer to Drexel University at BCC, New Jersey Institute of Technology, Newark, New Jersey or Temple University in Philadelphia to continue their education towards a Bachelor’s of Science degree in Applied Engineering Technology.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 130 required)	4
Natural Science (PHY 110/111 required)	4
Social Science (SOC 160 required)	3
Arts & Humanities	3
Additional General Education Requirements (MTH 118 ² , MTH 142, or MTH 226 required)	3-4
Total	23-24

† See General Education Requirements on page 41.

Program Courses	Credits
EET 111 Electronic Computer Graphics	3
EET 121 Circuits I ¹	4
EET 131 Solid State Devices	4
EET 141 Digital Circuits	4
EET 222 Circuits II	3
EET 232 Analog Integrated Circuits	4
PHY 112 Principles of Physics II	3
PHY 113 Principles of Physics II Laboratory	1
Computer Science (CIS 111, 130, or CSE 135 ² required)	3
Total required Program credits	29

Program Electives

Select 9 credit hours from the following:

CIS 150 Networking Fundamentals	4	} 9
EET 101 Introduction to Electronics ¹	3	
EGR 103 Fundamentals of Engineering Design ²	3	
EET 251 Industrial Electronic Controls	4	
EET 210 IT Essentials: A+	4	
EET 242 Microprocessor Systems ²	4	
MTH 119 Calculus II & Analytic Geometry	4	

Total 9

Electives (ENG 102² recommended) 3

Total Required for Degree 64

1 If the student has a previous background in circuits, he/she can get permission to take EET 121. EET 101 cannot be taken after passing EET 121.

2 Required for Drexel at BCC as well as: MTH 119, ECO 203, and CHE 115/116

The Computer Servicing & Networking Technology Option is on page 77

The Burlington County College Electronics Engineering Technology Program

is Accredited by:

Technology Accreditation Commission (TAC) of the
Accreditation Board for Engineering and Technology (ABET)
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