

# Computer Servicing & Networking Technology Option

## Option to Electronics Engineering Technology, (AAS.PCN)

The Computer Servicing & Networking Technology option to the Electronics Engineering Technology program provides a solid theoretical foundation as well as practical “hands-on” laboratory experiences in electronics and computers. This option includes some electronic courses as well as computer and networking courses to enable graduates to peruse a career as a computer and network 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 option 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 or New Jersey Institute of Technology, Newark, New Jersey to continue their education towards a Bachelor’s of Science degree in Applied Engineering Technology.

### The Burlington County College Electronics Engineering Technology Program

is Accredited by:

Technology Accreditation Commission (TAC) of the  
Accreditation Board for Engineering and Technology (ABET)  
111 Market Place, Suite 1050, Baltimore, Maryland 21202  
(410) 347-7700

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 <sup>2</sup> or MTH 142 or MTH 226 required)	3-4
<b>Total</b>	<b>23-24</b>

† See General Education Requirements on page 41.

CS&NT Option Courses	Credits
CIS 150 Networking Fundamentals	4
CIS 151 Cisco Network Routing Fundamentals	4
EET 121 Circuits I <sup>1</sup>	4
EET 131 Solid State Devices	4
EET 141 Digital Circuits	4
EET 210 IT Essentials: A+	4
EET 242 Microprocessor Systems	4
Computer Science (CIS 111, 130, or CSE 135 <sup>2</sup> required)	3
<b>Total Required Program Credits</b>	<b>31</b>

CS&NT Option Electives	Credits
<i>Select 10 credit hours from the following:</i>	
CIS 152 Cisco Switching Basics and Intermediate Routing	4
CIS 157 Cisco WAN Technologies	4
CIS 158 Cisco Fund. of Wireless LANs	4
CIS 207 Intro to Computer Forensics	3
EET 101 Introduction to Electronics <sup>1</sup>	3
EET 232 Analog Integrated Circuits <sup>2</sup>	4
EET 222 Circuits II <sup>2</sup>	3
EGR 103 Fundamentals of Engineering Design <sup>2</sup>	3
<b>Electives Total</b>	<b>10</b>

**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: EET 111, PHY 112/113, MTH 119, ENG 102, ECO 203, and CHE 115/116

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