

# Electronics Engineering Technology

The goal of the electronics engineering technology program is broadly trained, flexible graduates who have special expertise in modern microprocessors and general electronic controls. Graduates of this program are employed nationwide as maintenance and repair technicians in such areas as computer repair and programming, industrial electronics, telecommunications, biomedical electronics, copier and business product repair, instrumentation, and systems repair. The program also offers upgrade training for currently employed technicians. (Enrollment into this program is limited and is based on the date of application.)

## Required Program of Study for Associate of Applied Science Degree (2 years)

### Freshman Year

<b>FIRST SEMESTER</b>	
<b>Course</b>	<b>Credits</b>
ELEC 1200 Electronic Principles .....	5
ELEC 1210 Basic Electronics Lab .....	2
ELEC 1220 Industrial Practice .....	1
ELEC 1380 Digital I .....	3
ELEC 1390 Digital I Lab .....	1
ELEC 1400 Introduction to Computers .....	2
ELEC 1410 Introduction to Computers Lab .....	1
MATH 1180 Math for Electronics .....	5
	20

<b>SECOND SEMESTER</b>	
<b>Course</b>	<b>Credits</b>
ELEC 1450 Computer Programming .....	2
ELEC 1460 Computer Programming Lab .....	1
ELEC 1700 Active Devices .....	3
ELEC 1710 Active Devices Lab .....	1
ELEC 1740 Circuit Analysis I .....	3
ELEC 1750 Circuit Analysis I Lab .....	2
ELEC 1780 Digital II .....	3
ELEC 1790 Digital II Lab .....	1
MATH 1190 Algebra and Trigonometry for Electronics .....	3
PHYS 2010 Physics Lab Technology I .....	4
	23

### Sophomore Year

Prerequisite: Successful completion of freshman year with C grade or above.

<b>FIRST SEMESTER</b>	
<b>Course</b>	<b>Credits</b>
ELEC 2140 Telecommunications I .....	3
ELEC 2150 Telecommunications I Lab .....	1
ELEC 2300 Circuit Analysis II .....	3
ELEC 2310 Circuit Analysis II Lab .....	1
ELEC 2350 Control Systems I .....	3
ELEC 2360 Control Systems I Lab .....	1
ELEC 2700 Microprocessors I .....	3
ELEC 2710 Microprocessors I Lab .....	1
ELEC 2860 Lasers and Fiber Optics (optional) .....	2
ECON 1040 Personal Finance .....	2
	18-20

<b>SECOND SEMESTER</b>	
<b>Course</b>	<b>Credits</b>
ELEC 1600 Personal Computer Systems Maintenance and Repair (optional) .....	3
ELEC 1610 Personal Computer Systems Maintenance and Repair Lab (optional) .....	1
ELEC 2740 Control Systems II .....	3
ELEC 2750 Control Systems II Lab .....	1
ELEC 2800 Circuit Analysis III .....	3
ELEC 2810 Circuit Analysis III Lab .....	1
ELEC 2840 Microprocessors II .....	3
ELEC 2850 Microprocessors II Lab .....	1
ENGL 1050 Career Composition .....	3
PSYC 1000 Human Relations .....	2
	17-21