

## Career Outlook:

Electronics Technician is one of today's fastest growing careers, a career that can provide not only a great salary and job security but also exciting work in a field that is always growing and changing. This field has many opportunities including maintenance, design, service and sales in commercial, manufacturing and process industries.

The following industries employ electronic technicians: computer industry, consumer electronics industry, robotics industry, utility companies, healthcare, broadcast, manufacturing, aerospace, automotive, mining, office equipment, waste-treatment, and any other industries that use electrical/electronic systems.

## Salary Forecast:

For the most current salary information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at [www.bls.gov/ooh/](http://www.bls.gov/ooh/).

## Employment Opportunities:

- Bench technician
- Design technician
- Process control technician
- Bio-medical technician
- Maintenance technician
- Electronics trainers
- Electronics sales
- Installation technician

## Tech Prep Affiliation:

The Electronics Technology program is aligned with the West Virginia Tech Prep Engineering/Technical cluster. This career track provides the opportunity for West Virginia students to acquire college credit while attending high school.

## Contact Information:

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Electronics Technology – Major Code CE10							
Name:					ID Number 942-		
Educational Counselor:							
Faculty Advisor:							
COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ELT 111	DC Circuit Analysis & Applications <sup>1</sup>		5				
ENL 131	Business and Technical Writing <sup>2</sup>		3				
IT 101	Fundamentals of Computers		3				
MAT 120	Applied Professional Math <sup>3</sup>		3				
			14				
COM 112 or COM 125	Oral Communication or Interpersonal Communication		3				
ELT 121	Alternating Current Circuit Analysis & Applications <sup>4</sup>		5				
MAT 215	Applied Discrete Math <sup>5</sup>		3				
SCI 110	Introductory Physics <sup>6</sup>		4				
			15				
ELT 131	Analog Circuits Analysis & Applications <sup>7</sup>		5				
ELT 211	Digital Circuits <sup>8</sup>		5				
IT 270	Computer Essentials and Application <sup>9</sup>		4				
	Technical Elective <sup>10,14</sup>		3				
			17				
ELT 222	Introduction to Microcontrollers <sup>11</sup>		4				
ELT 299	Electronic Technology Internship <sup>12</sup>		3				
IT 230 or IT 225	Network Communications or Fundamentals of Wireless LANs		3				
	Social Science Elective <sup>13</sup>		3				
	Technical Elective <sup>10,14</sup>		3				
			16				
	HOURS REQUIRED FOR GRADUATION: 62						

1. ELT 111 has a prerequisite/co-requisite of MAT 144. MAT 144 has a corequisite of MAT 099.
2. ENL 131 has a prerequisite of placement in 100-level English or a co-requisite of ENL 095.
3. MAT 120 has a prerequisite of placement in 100-level Math or a minimum ACT Math score of 19 or SAT Math score of 510.
4. ELT 121 has a prerequisite of ELT 111.
5. MAT 215 has a prerequisite of MAT 145 or MAT 144, MAT 120 or MAT 120E.
6. SCI 110 has a prerequisite of MAT 144, MAT 120, or MAT 120E.
7. ELT 131 has a prerequisite of ELT 121.
8. ELT 211 has a prerequisite of MAT 215.
9. IT 270 has a prerequisite of IT 101 or IT 102.
10. Choose from any of the following: ELT 150, 160, ELT 280-283, IT 115, IT 120, IT 121, IT 131, IT 150, IT 171, IT 224, IT 250, IT 261, GST 100, GST 110, GST 140, GST 150, GST 160.
11. ELT 222 has a prerequisite of ELT 211.
12. ELT 299 has a prerequisite of Permission
13. Choose from EC, HIST, PSYC, SOCI 100-level or above.
14. ELT 160 has a prerequisite of ELT 131 and ELT 211

***Our mission is to prepare students for careers, civic responsibility and life-long learning.***