

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/.

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.

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

Electronics Technology – Major Code CE10

Name:			ID Number 942-	
CAP SCORES:	MATH:	ENGLISH:	READ:	DOE:
COL 101 Faculty:				
Educational Counselor:				
Faculty Advisor:				

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ELT 111	Direct Current Circuit Analysis ^{1,2}		3				
ELT 111L	Direct Current Electronics Lab		1				
ENL 111	Written Communication ³		3				
IT 101	Fundamentals of Computers (EDGE)		3				
MAT 145	Applications in Algebra ⁴		3				
			13				
COM 112 or COM 125	Oral Communication ⁵ Interpersonal Communication ⁵		3				
ELT 121	Alternating Current Circuit Analysis ^{1,6}		3				
ELT 121L	Alternating Current Electronics Lab		1				
MAT 215	Applied Discrete Mathematics ⁷		3				
SCI 110	Introductory Physics ⁸		4				
			14				
ELT 131	Analog Circuits ^{1,9}		3				
ELT 131L	Analog Circuits Lab		2				
ELT 211	Combinational Logic Circuits ^{1,10}		3				
ELT 211L	Combinational Logic Circuits Lab		1				
IT 270	Computer Essentials and Application ¹¹		4				
	Technical Elective ¹²		3				
			16				
ELT 222	Introduction to Microprocessors ¹³		4				
ELT 299	Electronic Technology Internship		3				
IT 131	Introduction to Networking ¹⁴		4				
	Social Science Elective ¹⁵		3				
	Technical Elective ¹²		3				
			17				

DEVELOPMENTAL COURSES REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
	HOURS REQUIRED FOR GRADUATION: 60						

- ELT 111, ELT 121, ELT 131 and ELT 211 must be taken concurrently with their respective labs: ELT 111L, ELT 121L, ELT 131L, and ELT 211L.
- ELT 111 has a prerequisite of MAT 145.
- ENL 111 has a prerequisite of placement in 100-level English, and placement in 100-level reading.
- MAT 145 has a prerequisite of placement in 100-level math.
- COM 112 and COM 125 have a prerequisite of placement in 100-level reading.
- ELT 121 has a prerequisite of ELT 111.
- MAT 215 has a prerequisite of MAT 135 or MAT 145.
- SCI 110 has a prerequisite of MAT 125, MAT 135 or MAT 145.
- ELT 131 has a prerequisite of ELT 111.
- ELT 211 has a prerequisite of MAT 215.
- IT 270 has a prerequisite of IT 101 or IT 102.
- Choose from any of the following: ELT 210, ELT 280-283, IT 115, IT 120, IT 141, IT 271
- ELT 222 has a prerequisite of ELT 211.
- IT 131 and IT 270 has a prerequisite of IT 101.
- Choose from EC, HIST, PSYC, SS at the 100-level or above.

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