Electronics Technology, AAS

Academic Year 2026-2027

Program Description:

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.

Career Outlook and 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/.

Program Outcomes:

- Understand the daily activities of a technician in an industrial setting
- Apply basic troubleshooting and calibration skills to common electronic or electromechanical equipment
- Interact successfully with technical staff whole analyzing simple to moderately complex problems associated with automated manufacturing
- Execute accepted documentation practices for maintenance and calibration of electronic equipment
- Apply ethical principles and responsibilities in the profession
- Recognize the need for life-long learning in a world of technological change
- The student will compose coherent, unified written documents that demonstrate correct mechanics and style, as well as appropriate documentation of sources

Employment Opportunities:

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

Contact Information:

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Mountwest empowers students to learn and lead in the community and in the workforce.

<div align="center">**Electronics Technology – Major Code CE10**</div>

| Name: | | | | ID Number 942- | | |

Educational Counselor:

Faculty Advisor:

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ELT 111	DC Circuit Analysis & Applications[1]		5				
ENL 131	Business and Technical Writing[2]		3				
IT 101	Fundamentals of Computers		3				
MAT 120	Applied Professional Math[3]		3				
			14				
COM 112 or COM 125	Oral Communication or Interpersonal Communication		3				
ELT 121	Alternating Current Circuit Analysis & Applications [4]		5				
MAT 215	Applied Discrete Math [5]		3				
SCI 110	Introductory Physics [6]		4				
			15				
ELT 131	Analog Circuits Analysis & Applications [7]		5				
ELT 211	Digital Circuits[8]		5				
IT 170	Computer Essentials and Application[9]		4				
	Technical Elective[10,14]		3				
			17				
ELT 222	Introduction to Microcontrollers[11]		4				
ELT 299	Electronic Technology Internship[12]		3				
IT 230 or IT 225	Network Communications or Fundamentals of Wireless LANs		3				
	Social Science Elective [13]		3				
	Technical Elective[10,14]		3				
			16				
	HOURS REQUIRED FOR GRADUATION: 62						

1. ELT 111 has a prerequisite/co-requisite of MAT 120.
2. ENL 131 has a prerequisite of ACT 18, SAT 480, Accuplacer 250-300, or be placed in ENL 131E.
3. MAT 120 has a prerequisite of a minimum ACT Math score of 19, SAT Math score of 510, or Accuplacer 250.
4. ELT 121 has a prerequisite of ELT 111.
5. MAT 215 has a prerequisite of MAT 120 or MAT 120E.
6. SCI 110 has a prerequisite of MAT 120, MAT 120E, MAT 130, MAT 130E, MAT 132, MAT 135, MAT 144, MAT 205, MAT 229, or permission.
7. ELT 131 has a prerequisite of ELT 121.
8. ELT 211 has a prerequisite of MAT 215.
9. IT 170 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, or IT 261.
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