

## ELECTRONICS TECHNICIAN

This program allows students to apply electrical and electronic theory and related knowledge to design, build, repair, adjust, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use.

### PROGRAMS BEGIN

February  
June  
October

### TECHNICAL COLLEGE CERTIFICATE

Basic Electronics Assembler  
Basic Electronics Technician

### IMPORTANT QUALITIES<sup>1</sup>

- Communication Skills
- Attention to Detail
- Math Skills
- Mechanical Skills
- Problem Solving Skills
- Writing Skills

### COURSES

- MATH 1111 – College Algebra
- ELCR 1005 – Soldering Technology
- ELCR 1010 – Direct Current Circuits
- ELCR 1020 – Alternating Current Circuits
- ELCR 1040 – Digital and Microprocessor Fundamentals

### MEDIAN SALARY<sup>1</sup>

**\$72,800**

### NUMBER OF JOBS AVAILABLE<sup>1</sup>

**9,900**

### TYPICAL RESPONSIBILITIES<sup>1</sup>

- Assemble electrical and electronic systems and prototypes
- Build, calibrate, and repair electrical instruments or testing equipment
- Visit sites where systems are made to observe conditions affecting design
- Identify solutions to technical design problems that arise in making electrical systems
- Inspect designs for quality control, report findings, and recommend changes, if necessary
- Draw diagrams and write specifications about design details of experimental electronics units

<sup>1</sup> Electrical and Electronic Engineering Technologists and Technicians:  
Occupational Outlook Handbook: U.S. Bureau of Labor Statistics  
<https://www.bls.gov/ooh/architecture-and-engineering/electrical-and-electronics-engineering-technicians.htm#tab-1>