

Electrical and Electronic Engineering Technologists and Technicians

17-3023.00



Description: Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, adjust, and modify electrical components, circuitry, controls.

Other Resources:

[ONET Link](#)
[MyNextMove Link](#)

Sample of Reported Job Titles: Communications Technologist, Electrical Engineering Technician

Job Zone

Title: 3 - Medium Preparation Needed

Education: Require training in vocational schools, related on-the-job experience, or an associate's degree.

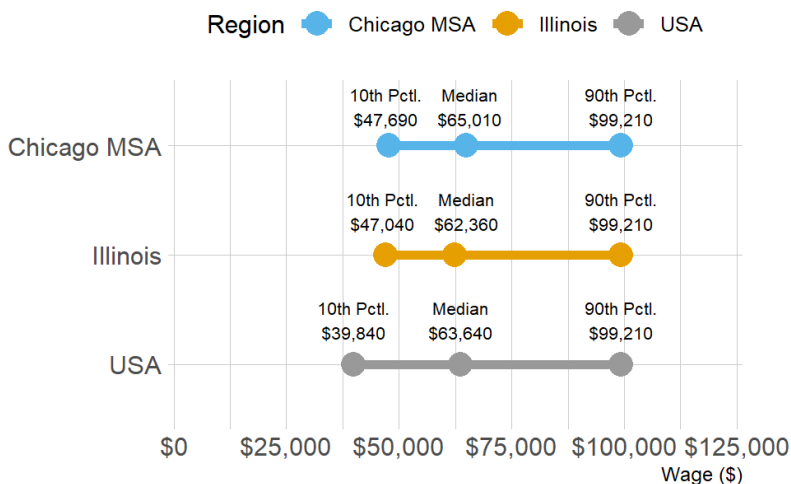
Experience: Previous work-related skill, knowledge, or experience is required.

Training: One or two years of training involving both on-the-job experience and informal training with experienced workers needed. A recognized apprenticeship program may be associated with these occupations.

Core Certifications: Certified Satellite Installer - Antenna, Associate Electronics Technician - Direct Current, ISA Certified Control Systems Technician - Level I

Hot Technologies: Adobe Systems Adobe Acrobat, Agilent Advanced Design System ADS, Altium Designer, Autodesk AutoCAD, Autodesk Revit, Bentley MicroStation, C++

Region	Employment	Location Quotient	Median Wage
Chicago MSA	2,200	0.72	\$65,010
Illinois	2,910	0.72	\$62,360
USA	101,450	—	\$63,640



Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Modify, maintain, or repair electronics equipment or systems to ensure proper functioning.	Daily	88
Replace defective components or parts, using hand tools and precision instruments.	Daily	84
Set up and operate specialized or standard test equipment to diagnose, test, or analyze the performance of electronic components, assemblies, or systems.	Daily	83
Read blueprints, wiring diagrams, schematic drawings, or engineering instructions for assembling electronics units, applying knowledge of electronic theory and components.	Daily	83
Identify and resolve equipment malfunctions, working with manufacturers or field representatives as necessary to procure replacement parts.	Daily	81