

Electrical Engineers

17-2071.00



Description: Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.

Other Resources:

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

Sample of Reported Job Titles: Circuits Engineer, Design Engineer, Electrical Controls Engineer

Job Zone

Title: 4 - Considerable Preparation Needed

Education: Require a four-year bachelor's degree.

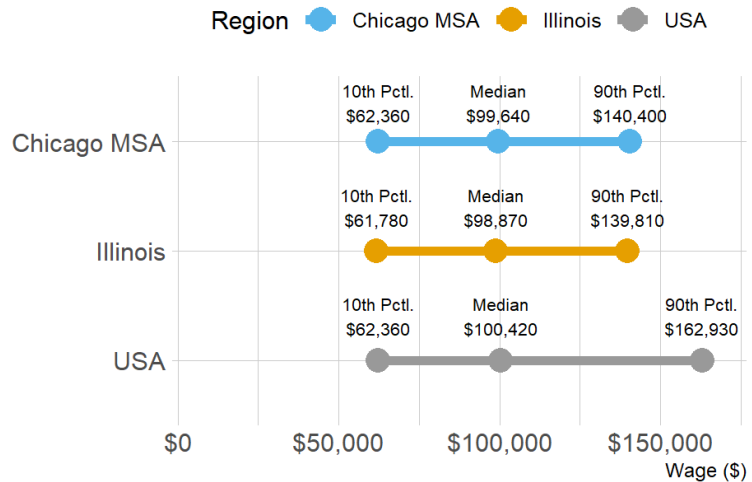
Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

Training: Several years of work-related experience, on-the-job training, and/or vocational training needed.

Core Certifications: ESD (Electrostatic Discharge) - Associate Technician

Hot Technologies: Autodesk AutoCAD, Autodesk AutoCAD Civil 3D, Autodesk Revit, Bash, Bentley MicroStation, C#, C++

Region	Employment	Location Quotient	Median Wage
Chicago MSA	2,800	0.50	\$99,640
Illinois	3,880	0.52	\$98,870
USA	186,020	-	\$100,420



Top 5 Core Tasks According to Current Job Holders

Importance Frequency (out of 100)

Operate computer-assisted engineering or design software or equipment to perform engineering tasks.	Daily	85
Prepare technical drawings, specifications of electrical systems, or topographical maps to ensure that installation and operations conform to standards and customer requirements.	More than monthly	84
Confer with engineers, customers, or others to discuss existing or potential engineering projects or products.	Daily	81
Design, implement, maintain, or improve electrical instruments, equipment, facilities, components, products, or systems for commercial, industrial, or domestic purposes.	More than monthly	78
Direct or coordinate manufacturing, construction, installation, maintenance, support, documentation, or testing activities to ensure compliance with specifications, codes, or customer requirements.	More than monthly	76

Sources: US Department of Labor O*NET 26.3 Database (May 2022 Release); Bureau of Labor Statistics Occupational Employment and Wage Estimates - National, State, and Metropolitan (May 2021 Release)

