

## Electronics Engineers, Except Computer

17-2072.00



**Description:** Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use employing knowledge of electronic theory and materials properties.

### Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

**Sample of Reported Job Titles:** Design Engineer, Electronics Design Engineer, Evaluation Engineer

### Job Zone

**Title:** 4 - Considerable Preparation Needed

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

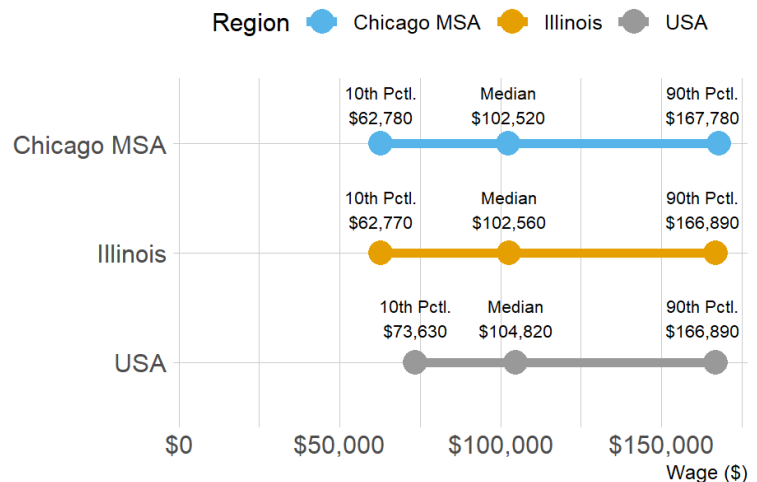
**Experience:** A considerable amount of work-related skill, knowledge, or experience is needed.

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

**Core Certifications:** Certified Systems Engineering Professional

**Hot Technologies:** Agile Product Lifecycle Management PLM, Autodesk AutoCAD, C++, Dassault Systemes CATIA, Dassault Systemes SolidWorks, ESRI ArcGIS software

Region	Employment	Location Quotient	Median Wage
Chicago MSA	2,390	0.74	\$102,520
Illinois	2,860	0.67	\$102,560
USA	107,170	—	\$104,820



### Top 5 Core Tasks According to Current Job Holders

**Importance**  
**Frequency (out of 100)**

Determine project material or equipment needs.

More than weekly

83

Prepare documentation containing information such as confidential descriptions or specifications of proprietary hardware or software, product development or introduction schedules, product costs, or information about product performance weaknesses.

More than monthly

80

Prepare engineering sketches or specifications for construction, relocation, or installation of equipment, facilities, products, or systems.

More than monthly

80

Evaluate project work to ensure effectiveness, technical adequacy, or compatibility in the resolution of complex electronics engineering problems.

More than monthly

79

Analyze electronics system requirements, capacity, cost, or customer needs to determine project feasibility.

More than weekly

78