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

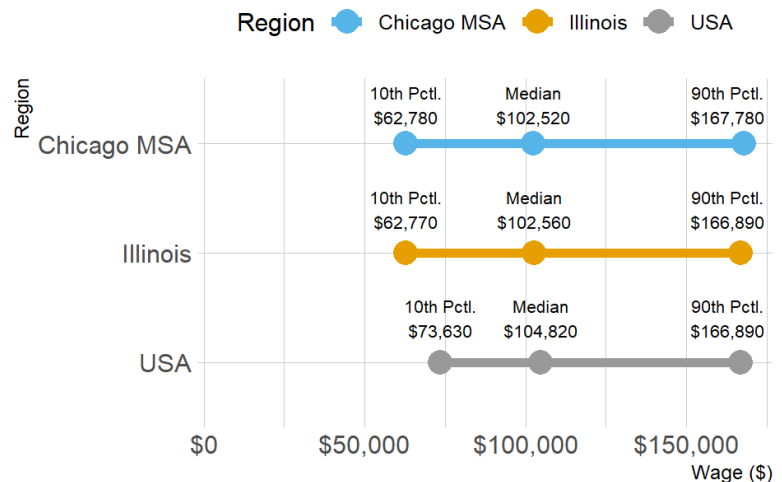**Education:** Require a four-year bachelor's degree.

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 Lifecyle 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

Region ● Chicago MSA ● Illinois ● USA

Region	10th Pctl.	Median	90th Pctl.
Chicago MSA	$62,780	$102,520	$167,780
Illinois	$62,770	$102,560	$166,890
USA	$73,630	$104,820	$166,890

Wage ($)

Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (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

UIC **Nathalie P. Voorhees Center for Neighborhood and Community Improvement**