

## Electrical and Electronics Drafters

17-3012.00



**Description:** Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.

### Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

**Sample of Reported Job Titles:** CAD Operator (Computer Aided Design Operator), Design Drafter, Designer

### Job Zone

**Title:** 3 - Medium Preparation Needed

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

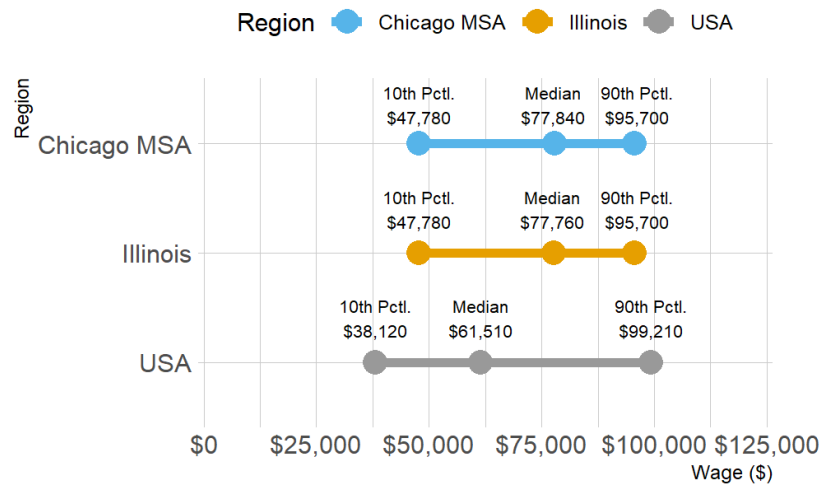
**Experience:** Previous work-related skill, knowledge, or experience is required.

**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 Interconnect Designer

**Hot Technologies:** Autodesk AutoCAD, Autodesk Revit, Aveva Group Plant Design Management System PDMS, Bentley AutoPLANT, Bentley I/RAS B, Bentley MicroStation

Region	Employment	Location Quotient	Median Wage
Chicago MSA	380	0.60	\$77,840
Illinois	530	0.64	\$77,760
USA	20,830	—	\$61,510



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

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

Draft working drawings, wiring diagrams, wiring connection specifications, or cross-sections of underground cables, as required for instructions to installation crew.

Daily

88

Assemble documentation packages and produce drawing sets to be checked by an engineer or an architect.

Daily

87

Consult with engineers to discuss or interpret design concepts, or determine requirements of detailed working drawings.

Daily

87

Review completed construction drawings and cost estimates for accuracy and conformity to standards and regulations.

Daily

85

Examine electronic schematics and supporting documents to develop, compute, and verify specifications for drafting data, such as configuration of parts, dimensions, or tolerances.

Several  
times daily

85