

## Mechanical Drafters

17-3013.00



**Description:** Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.

### Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

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

### Job Zone

**Title:** 3 - Medium Preparation Needed

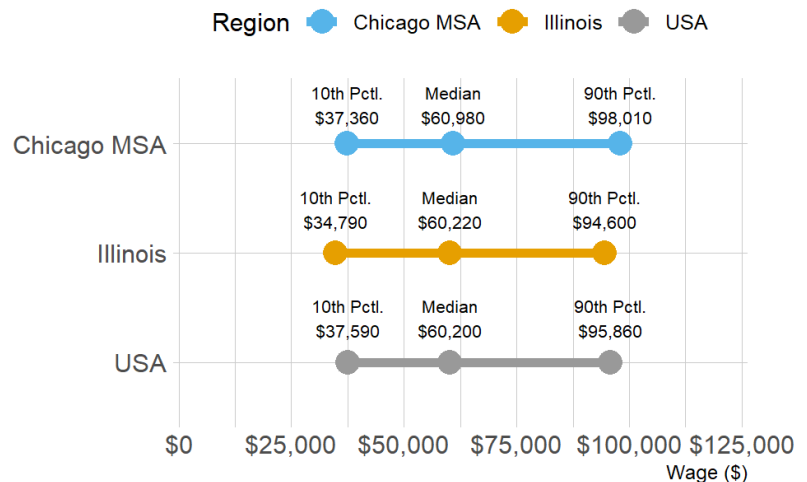
**Education:** Require training in vocational schools, related on-the-job experience, or an associate's degree.

**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.

**Hot Technologies:** Adobe Systems Adobe After Effects, Autodesk AutoCAD, Autodesk AutoCAD Civil 3D, Autodesk Inventor, Autodesk Mechanical, Autodesk Revit

Region	Employment	Location Quotient	Median Wage
Chicago MSA	1,220	0.85	\$60,980
Illinois	1,520	0.80	\$60,220
USA	47,760	—	\$60,200



Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Develop detailed design drawings and specifications for mechanical equipment, dies, tools, and controls, using computer-assisted drafting (CAD) equipment.	Hourly or more	93
Produce three-dimensional models, using computer-aided design (CAD) software.	Hourly or more	89
Lay out and draw schematic, orthographic, or angle views to depict functional relationships of components, assemblies, systems, and machines.	Daily	87
Review and analyze specifications, sketches, drawings, ideas, and related data to assess factors affecting component designs and the procedures and instructions to be followed.	Daily	84
Modify and revise designs to correct operating deficiencies or to reduce production problems.	Daily	84