

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

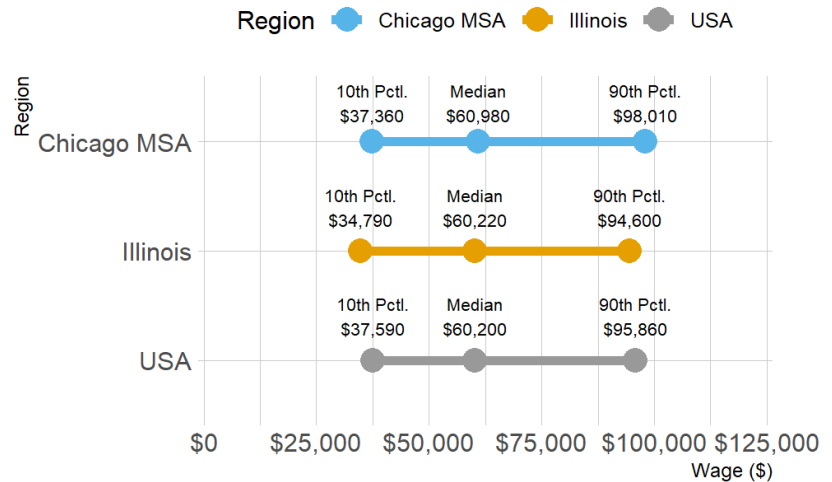
Education: Require training in vocational schools, related on-the-job experience, or an associate's degree.

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

Importance
Frequency (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