

Mechanical Engineers

17-2141.00



Description: Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment.

Other Resources:

[ONET Link](#)

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Sample of Reported Job Titles: Application Engineer, Design Engineer, Design Maintenance Engineer

Job Zone

Title: 4 - Considerable Preparation Needed

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

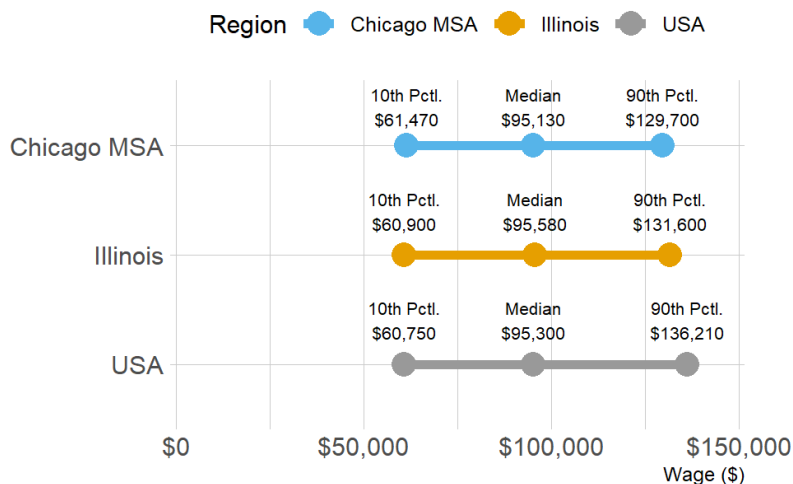
Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

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

Core Certifications: Certified Systems Engineering Professional, Associate Systems Engineering Professional

Hot Technologies: Adobe Systems Adobe Illustrator, Autodesk AutoCAD, Autodesk AutoCAD Civil 3D, Autodesk Revit, Bentley MicroStation, C++

Region	Employment	Location Quotient	Median Wage
Chicago MSA	7,290	0.87	\$95,130
Illinois	10,520	0.95	\$95,580
USA	278,240	—	\$95,300



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Read and interpret blueprints, technical drawings, schematics, or computer-generated reports.

Daily

90

Research, design, evaluate, install, operate, or maintain mechanical products, equipment, systems or processes to meet requirements.

Hourly or more

87

Confer with engineers or other personnel to implement operating procedures, resolve system malfunctions, or provide technical information.

Daily

83

Develop, coordinate, or monitor all aspects of production, including selection of manufacturing methods, fabrication, or operation of product designs.

More than weekly

80

Investigate equipment failures or difficulties to diagnose faulty operation and recommend remedial actions.

More than monthly

80