

Civil Engineers

17-2051.00



Description: Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: City Engineer, Civil Engineer, County Engineer

Job Zone

Title: 4 - Considerable Preparation Needed

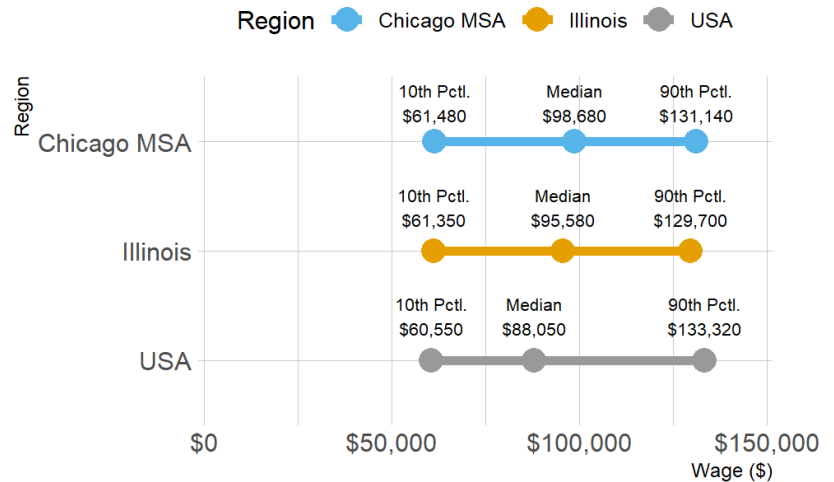
Education: Require a four-year bachelor's degree.

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.

Hot Technologies: Adobe Systems Adobe Acrobat, Autodesk AutoCAD, Autodesk AutoCAD Civil 3D, Autodesk Land Desktop, Autodesk Revit, Bentley Haestad Methods CivilStorm

Region	Employment	Location Quotient	Median Wage
Chicago MSA	9,230	1.01	\$98,680
Illinois	12,600	1.04	\$95,580
USA	304,310	—	\$88,050



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Direct engineering activities, ensuring compliance with environmental, safety, or other governmental regulations.

Daily

85

Inspect project sites to monitor progress and ensure conformance to design specifications and safety or sanitation standards.

More than monthly

80

Manage and direct the construction, operations, or maintenance activities at project site.

More than monthly

80

Compute load and grade requirements, water flow rates, or material stress factors to determine design specifications.

Daily

79

Plan and design transportation or hydraulic systems or structures, using computer-assisted design or drawing tools.

Daily

78