

Architectural and Civil Drafters

17-3011.00



Description: Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: Architectural Designer, Architectural Drafter, Architectural Draftsman

Job Zone

Title: 3 - Medium Preparation Needed

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

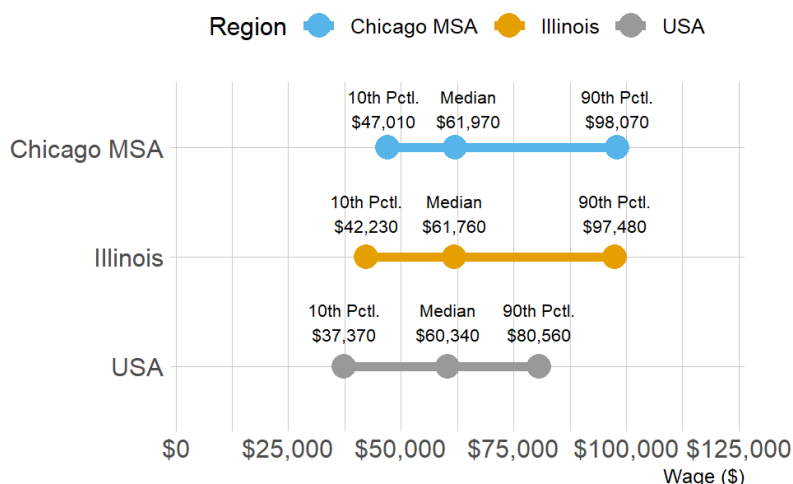
Experience: Previous work-related skill, knowledge, or experience is required.

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 Aging-In-Place Specialist

Hot Technologies: Adobe Systems Adobe Acrobat, Adobe Systems Adobe After Effects, Adobe Systems Adobe Illustrator, Adobe Systems Adobe InDesign

Region	Employment	Location Quotient	Median Wage
Chicago MSA	2,000	0.66	\$61,970
Illinois	2,500	0.62	\$61,760
USA	101,310	—	\$60,340



Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Produce drawings, using computer-assisted drafting systems (CAD) or drafting machines, or by hand, using compasses, dividers, protractors, triangles, and other drafting devices.	Hourly or more	97
Draft plans and detailed drawings for structures, installations, and construction projects, such as highways, sewage disposal systems, and dikes, working from sketches or notes.	Hourly or more	92
Coordinate structural, electrical, and mechanical designs and determine a method of presentation to graphically represent building plans.	Daily	88
Analyze building codes, by-laws, space and site requirements, and other technical documents and reports to determine their effect on architectural designs.	Several times daily	86
Draw maps, diagrams, and profiles, using cross-sections and surveys, to represent elevations, topographical contours, subsurface formations, and structures.	Daily	84