

## Surveying and Mapping Technicians

17-3031.00



**Description:** Perform surveying and mapping duties, usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist, to obtain data used for construction, mapmaking, boundary location, mining.

### Other Resources:

[ONET Link](#)  
[MyNextMove Link](#)

**Sample of Reported Job Titles:** Aerotriangulation Specialist, Engineering Technician, Geospatial Analyst

### Job Zone

**Title:** 3 - Medium Preparation Needed

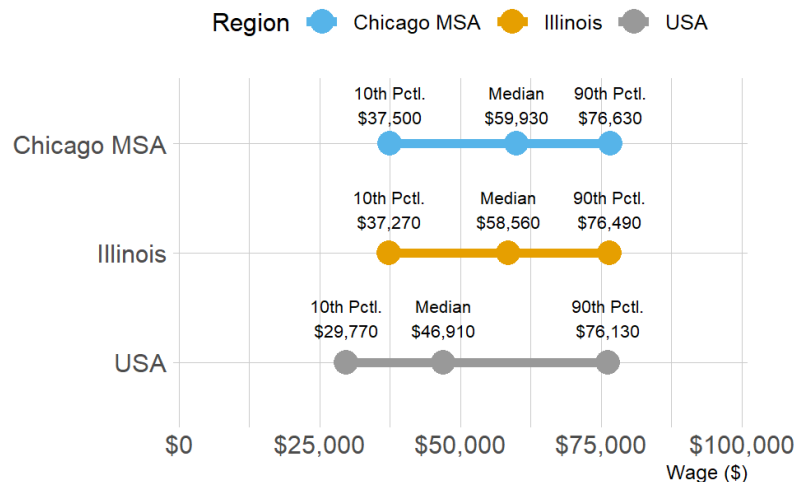
**Education:** Require training in vocational schools, related on-the-job experience, or an associate's degree.

**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:** 3D Nature LLC Visual Nature Studio, 3D Nature LLC World Construction Set, Adobe Systems Adobe Illustrator, Adobe Systems Adobe Photoshop

Region	Employment	Location Quotient	Median Wage
Chicago MSA	690	0.41	\$59,930
Illinois	910	0.41	\$58,560
USA	56,070	—	\$46,910



### Top 5 Core Tasks According to Current Job Holders

**Importance**  
**Frequency (out of 100)**

Position and hold the vertical rods, or targets, that theodolite operators use for sighting to measure angles, distances, and elevations.

Daily

86

Check all layers of maps to ensure accuracy, identifying and marking errors and making corrections.

Hourly or more

86

Design or develop information databases that include geographic or topographic data.

Daily

84

Monitor mapping work or the updating of maps to ensure accuracy, inclusion of new or changed information, or compliance with rules and regulations.

Hourly or more

83

Produce or update overlay maps to show information boundaries, water locations, or topographic features on various base maps or at different scales.

Hourly or more

82