



CAREER PATH

Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Natural Resources and Environmental Service Systems



SURVEYING AND MAPPING TECHNICIAN

Perform surveying and mapping duties, usually under the direction of a surveyor, cartographer, or photogrammetrist to obtain data used for construction, mapmaking, boundary location, mining, or other purposes. May calculate mapmaking information and create maps from source data, such as surveying notes, aerial photography, satellite data, or other maps to show topographical features, political boundaries, and other features. May verify accuracy and completeness of topographical maps.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a surveying and mapping technician are reinforced by taking rigorous and relevant courses, as well as participating in work-based experiences and student organization activities.

(See the Sample Personal Plan of Study for suggested coursework, activities, and knowledge and skills to pursue in preparation of an occupation in this Career Cluster.)

Education Requirements

Occupation	Percent of Missouri employees aged 25 to 44 in the occupation whose highest level of educational attainment is:		
	High School or Less	Some College	Bachelor Degree or More
Surveying and mapping technicians	37.3%	55.3%	7.4%
Drafters, Engineering, and Mapping Technicians	24.0%	57.4%	18.5%
Architecture and Engineering	11.8%	32.2%	56.0%

Most Common Educational Level: Moderate-term on-the-job training

Note: Be sure to learn whether your occupation has a specific requirement for education or licensing. Apprenticeships are available for more than 240 occupations. Visit www.oe.doleta.gov/bat.cfm

National and State Wage Information

Location	Pay Period	2008		
		Entry*	Median	Experienced**
United States	Hourly	\$13.16	\$16.88	\$22.05
	Yearly	\$27,400	\$35,100	\$45,900
Missouri	Hourly	\$13.27	\$16.06	\$20.43
	Yearly	\$27,600	\$33,400	\$42,500

Based on (*) lower 25% and (**) upper 25% percentile of wages

National and State Employment Trends

Surveying and mapping technicians	Employment		Percent Change	Job Openings*
	2008	2018		
United States	77,000	92,700	+20%	2,940
Missouri	1,050	1,080	+3%	20

*The estimate for Job Openings includes both turnover that results from people who leave the occupation (e.g. quit, retire, death) and new jobs that are created.

Educational Opportunities

Note: This list may not be all inclusive.

For more information about Missouri schools and programs, visit www.dhe.mo.gov

Metropolitan Community College – Longview

Lees Summit, MO
(816) 604-2000
www.mcckc.edu

Missouri State University

Springfield, MO
(417) 836-5000
www.missouristate.edu

Three Rivers Community College

Poplar Bluff, MO
(573) 840-9600
www.trcc.edu



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