



CAREER PATH

# Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Natural Resources and Environmental Service Systems



## GEOGRAPHER

Study nature and use of areas of earth's surface, relating and interpreting interactions of physical and cultural phenomena. Conduct research on physical aspects of a region, including land forms, climates, soils, plants and animals, and conduct research on the spatial implications of human activities within a given area, including social characteristics, economic activities, and political organization, as well as researching interdependence between regions at scales ranging from local to global.

### Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a geographer 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
Geographer	0.0%	10.2%	89.8%
Social scientists and related workers	0.0%	6.8%	92.5%
Life, physical, and social science	5.6%	12.7%	81.7%

Most Common Educational Level: Master's degree

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.oa.doleta.gov/bat.cfm](http://www.oa.doleta.gov/bat.cfm)

### National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$19.39	\$31.58	\$39.14
	Yearly	\$40,300	\$65,700	\$81,400
Missouri	Hourly	--	--	--
	Yearly	--	--	--

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

### National and State Employment Trends

Geographer	Employment		Percent Change	Job Openings*
	2006	2016		
United States	1,100	1,200	+ 6%	40
Missouri	N/A	N/A	N/A	N/A

\*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](http://www.dhe.mo.gov)

#### Missouri State University

Springfield, MO  
(417) 836-5000  
[www.missouristate.edu](http://www.missouristate.edu)

#### Northwest Missouri State University

Maryville, MO  
(660) 562-1212  
[www.nwmissouri.edu](http://www.nwmissouri.edu)

#### Southeast Missouri State University

Cape Girardeau, MO  
(573) 651-2000  
[www.semo.edu](http://www.semo.edu)

#### University of Central Missouri

Warrensburg, MO  
(660) 543-4111  
[www.ucmo.edu](http://www.ucmo.edu)

#### University of Missouri - Columbia

Columbia, MO  
(573) 882-2121  
[www.missouri.edu](http://www.missouri.edu)

#### University of Missouri - Kansas City

Kansas City, MO  
(816) 235-1000  
[www.umkc.edu](http://www.umkc.edu)



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