



CAREER PATH

Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Natural Resources and Environmental Service Systems



GEOLOGICAL AND PETROLEUM TECHNICIAN

Assist scientists in the use of electrical, sonic, or nuclear measuring instruments in both laboratory and production activities to obtain data indicating potential sources of metallic ore, gas, or petroleum. Analyze mud and drill cuttings. Chart pressure, temperature, and other characteristics of wells or bore holes. Investigate and collect information leading to the possible discovery of new oil fields.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a geological and petroleum 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
Geological and petroleum technicians	30.2%	38.2%	31.6%
Life, physical & social technicians	24.2%	35.8%	40.0%
Life, physical & social science	6.7%	14.3%	78.9%

Most Common Educational Level: Associate 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.oe.doleta.gov/bat.cfm

National and State Wage Information

Location	Pay Period	2008		
		Entry*	Median	Experienced**
United States	Hourly	\$17.14	\$25.65	\$34.58
	Yearly	\$35,700	\$53,400	\$71,900
Missouri	Hourly	\$10.31	\$15.18	\$18.07
	Yearly	\$21,400	\$31,600	\$37,600

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

National and State Employment Trends

Food Scientist	Employment		Percent Change	Job Openings*
	2008	2018		
United States	15,200	15,400	+ 2%	550
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.

**N/A is displayed in cases where data cannot be published because of federal data privacy standards.

Educational Opportunities

Note: This list may not be all inclusive. For more information about Missouri schools and programs, visit www.dhe.mo.gov

No schools found in Missouri



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ELEMENTARY AND SECONDARY
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