



CAREER PATH

Industrial & Engineering Technology

CAREER CLUSTER

Science, Technology, Engineering and Mathematics

CAREER PATHWAY

Science and Math



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	33.6%	34.6%	31.7%
Life, physical and social science technicians	23.7%	32.8%	43.5%
Life, physical and social science	5.6%	12.7%	81.7%

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.oa.doleta.gov/bat.cfm

National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$16.50	\$24.50	\$33.07
	Yearly	\$34,300	\$51,000	\$68,800
Missouri	Hourly	\$10.00	\$15.15	\$18.22
	Yearly	\$20,800	\$31,500	\$37,900

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

National and State Employment Trends

Geological-Petroleum Technicians	Employment		Percent Change	Job Openings*
	2006	2016		
United States	11,800	12,800	+ 9%	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.

Educational Opportunities

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

No Missouri schools listed.



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