



CAREER PATH

Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Natural Resources and Environmental Service Systems



CHEMICAL TECHNICIAN

Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for purposes, such as research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a chemical 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
Chemical technicians	30.3%	32.5%	37.2%
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's degree

Note: Be sure to learn whether your occupation has a specific requirement for education or licensing.

National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$15.29	\$19.58	\$24.83
	Yearly	\$31,800	\$40,700	\$51,600
Missouri	Hourly	\$14.86	\$19.75	\$25.53
	Yearly	\$30,900	\$41,100	\$53,100

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

National and State Employment Trends

Chemical Technician	Employment		Percent Change	Job Openings*
	2006	2016		
United States	61,200	64,800	+ 6%	2,400
Missouri	960	980	+ 2%	30

*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

Saint Louis Community College - Florissant Valley

Saint Louis, MO
(314) 513-4200
www.stlcc.edu

University of Missouri-Columbia

Columbia, MO
(573) 882-2121
www.missouri.edu



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