



CAREER PATH Industrial & Engineering Technology

CAREER CLUSTER
Science, Technology, Engineering and Mathematics

CAREER PATHWAY
Science and Math



CHEMIST

Conduct qualitative and quantitative chemical analyses or chemical experiments in laboratories for quality or process control or to develop new products or knowledge.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a chemist 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
Chemists	0.0%	6.5%	93.2%
Physical scientists	0.0%	4.0%	96.0%
Life, physical, and social science	5.6%	12.7%	81.7%

Most Common Educational Level: Bachelor'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

National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$22.62	\$30.52	\$41.33
	Yearly	\$47,000	\$63,500	\$86,000
Missouri	Hourly	\$21.85	\$28.38	\$37.27
	Yearly	\$45,400	\$59,000	\$77,500

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

National and State Employment Trends

Chemist	Employment		Percent Change	Job Openings*
	2006	2016		
United States	83,700	91,300	+ 9%	2,980
Missouri	2,320	2,420	+ 4%	90

*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

Avila University

Kansas City, MO
(816) 942-8400
www.Avila.edu

Central Methodist University -College of Liberal Arts & Sciences

Fayette, MO
(660) 248-3391
www.centralmethodist.edu

College of the Ozarks

Point Lookout, MO
(417) 334-6411
www.cofo.edu

Columbia College

Columbia, MO
(573) 875-8700
www.ccis.edu

Culver-Stockton College

Canton, MO
(573) 288-6000
www.culver.edu

Drury University

Springfield, MO
(417) 873-7879
www.drury.edu

Evangel University

Springfield, MO
(417) 865-2811
www.evangel.edu

(more-over)

Lincoln University

Jefferson City, MO
(573) 681-5000
www.lincolnu.edu

Lindenwood University

Saint Charles, MO
(636) 949-2000
www.lindenwood.edu

Maryville University of Saint Louis

Saint Louis, MO
(800) 627-9855
www.maryville.edu

Missouri Baptist University

Saint Louis, MO
(314) 434-1115
www.mobap.edu

Missouri Southern State University

Joplin, MO
(417) 625-9300
www.mssu.edu

Missouri State University

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

Missouri University of Science and Technology

Rolla, MO
(573) 341-4111
www.mst.edu

Missouri Western State University

Saint Joseph, MO
(816) 271-4200
www.missouriwestern.edu

Northwest Missouri State University

Maryville, MO
(660) 562-1212
www.nwmissouri.edu

Park University

Parkville, MO
(816) 741-2000
www.park.edu

Rockhurst University

Kansas City, MO
(816) 501-4000
www.rockhurst.edu

Saint Louis University

Saint Louis, MO
(314) 977-2222
www.imagine.slu.edu

Southwest Baptist University

Boliva, MO
(800) 526-5859
www.sbniv.edu

Truman State University

Kirkville, MO
(660) 785-4000
www.truman.edu

University of Central Missouri

Warrensburg, MO
(660) 543-4111
www.ucmo.edu

University of Missouri - Columbia

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

University of Missouri - Kansas City

Kansas City, MO
(816) 235-1000
www.umkc.edu

University of Missouri - St Louis

Saint Louis, MO
(314) 516-5000
www.umsl.edu

Washington University in St Louis

Saint Louis, MO
(314) 935-5000
www.wustl.edu

Westminster College

Fulton, MO
(573) 642-3361
www.westminster-mo.edu

William Jewell College

Liberty, MO
(816) 781-7700
www.jewell.edu

Southeast Missouri State University

Cape Girardeau, MO
(573) 651-2000
www.semo.edu



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