



CAREER PATH Industrial & Engineering Technology

CAREER CLUSTER
Science, Technology, Engineering and Mathematics

CAREER PATHWAY
Engineering and Technology



ENGINEERING MANAGER

Plan, direct or coordinate activities in such fields as architecture and engineering or research and development in these fields.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as an engineering manager 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
Engineering managers	4.4%	11.9%	83.7%
Other Management Occupations	19.8%	26.1%	54.1%
Management	17.6%	26.2%	56.2%

Most Common Educational Level: Bachelor's or higher degree, plus work experience
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	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$42.47	\$53.37	\$65.70
	Yearly	\$88,300	\$111,000	\$136,700
Missouri	Hourly	\$39.64	\$46.18	\$54.56
	Yearly	\$82,500	\$96,100	\$113,500

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

National and State Employment Trends

Engineering Manager	Employment		Percent Change	Job Openings*
	2006	2016		
United States	187,100	200,700	+ 7%	5,150
Missouri	2,850	3,000	+ 5%	70

*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

Crowder College
Neosho, MO
(417) 451-3223
www.crowder.edu

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

East Central College
Union, MO
(636) 583-5193
www.eastcentral.edu

Grantham University
Kansas City, MO
(800) 955-2527
www.grantham.edu

Jefferson College
Hillsboro, MO
(636) 797-3000
WWW.JEFFCO.EDU

Metropolitan Community College - Blue River
Independence, MO
(816) 655-6000
www.mcckc.edu

Metropolitan Community College - Longview
Lee's Summit, MO
(816) 672-2000
www.mcckc.edu

(more-over)

**Metropolitan Community College
- Maple Woods**
Kansas City, MO
(816) 437-3000
www.mcckc.edu

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

Missouri Tech
Saint Louis, MO
(314) 569-3600
www.motech.edu

**Missouri University of Science and
Technology**
Rolla, MO
(573) 341-4111
www.mst.edu

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

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

Southeast Missouri State University
Cape Girardeau, MO
(573) 651-2000
www.semo.edu

St. Charles Community College
Cottleville, MO
(636) 922-8400
www.stchas.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



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ELEMENTARY AND SECONDARY
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