



CAREER PATH Industrial & Engineering Technology

CAREER CLUSTER
Architecture and Construction

CAREER PATHWAY
Design/Pre-Construction



ARCHITECTURAL DRAFTER

Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Utilize knowledge of building materials, engineering practices, and mathematics to complete drawings.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as an architectural drafter 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
Architectural and civil drafters	13.0%	62.4%	24.6%
Drafters, engineering, and mapping technicians	24.0%	56.6%	19.4%
Architecture and engineering	10.3%	31.0%	58.6%

Most Common Educational Level: Postsecondary vocational award

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	2006		
		Entry*	Median	Experienced**
United States	Hourly	\$16.13	\$20.17	\$25.11
	Yearly	\$33,600	\$42,000	\$52,200
Missouri	Hourly	\$14.50	\$18.29	\$22.31
	Yearly	\$30,200	\$38,000	\$46,400

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

National and State Employment Trends

Architectural Drafters	Employment		Percent Change	Job Openings*
	2006	2016		
United States	115,500	122,500	+ 6 %	4,000
Missouri	1,930	1,910	-1 %	50

*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

Cape Girardeau Career/Tech Center

Cape Girardeau, MO
(573) 431-4593
www.cape.k12.mo.us/cc/default.htm

Crowder College

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

Davis H Hart Career Center

Mexico, MO
(573) 581-5684
www.mexicoschools.net

East Central College

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

Eldon Career Center

Eldon, MO
(573) 392-8060
www.eldoncareercenter.org

Hillyard Technical Center

Saint Joseph, MO
(816) 671-4170
www.hillyardtech.com

ITT Technical Institute

Arnold, MO - (636) 464-6600
Earth City, MO - (314) 298-7800
Kansas City, MO - (816) 276-1400
www.itt-tech.edu

Jefferson College

Hillsboro, MO
(636) 797-3000
www.jeffco.edu

(more-over)

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

Linn State Technical College
Linn, MO
(573) 897-5196
www.linnstate.edu

**Metropolitan Community College
- Business & Technology**
Kansas City, MO
(816) 482-5200
www.mcckc.edu

Mineral Area College
Park Hills, MO
(573) 431-4593
www.mineralarea.edu

Moberly Area Community College
Moberly, MO
(660) 263-4110
www.macc.edu

Ranken Technical College
St. Louis, MO
(866) 472-6536
www.ranken.edu

Rolla Technical Institute
Rolla, MO
(573) 458-0150
www.rolla.k12.mo.us

**Saint Louis Community College
- Florissant Valley**
St. Louis, MO
(314) 513-4200
www.stlcc.edu/fv

**Saint Louis Community College
- Meramec**
Kirkwood, MO
(314) 984-7500
www.stlcc.edu

South Central Career Center
West Plains, MO
(417) 256-6152
www.zizzers.org

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

St. Charles Community College
St. Peters, MO
(636) 922-8000
www.stchas.edu

State Fair Community College
Sedalia, MO
(660) 530-5800
www.sfccmo.edu

University of Central Missouri
Warrensburg, MO
(660) 543-4111
www.ucmo.edu

Vatterott College
Joplin, MO
(417) 781-5633
www.vatterott-college.edu

Vatterott College
Kansas City, MO
(816) 861-1000
www.vatterott-college.edu

Vatterott College
Sunset Hills, MO
(314) 843-4200
www.vatterott-college.edu

Vatterott College
Saint Ann, MO
(314) 428-5900
www.vatterott-college.edu

Vatterott College
Springfield, MO
(417) 831-8116
www.vatterott-college.edu

Washington University
St. Louis, MO
(314) 935-5000
www.wustl.edu



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