



CAREER PATH

Industrial & Engineering Technology

CAREER CLUSTER
Architecture and Construction

CAREER PATHWAY
Construction



WELDER, CUTTER, SOLDERER AND BRAZER

Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a welder, cutter, solderer or brazer 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
Welders, cutters, solderers, & brazers	73.4%	24.7%	1.9%
Metal workers and plastic workers	71.7%	26.8%	1.5%
Production	69.1%	25.8%	5.1%

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	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$12.69	\$15.51	\$19.00
	Yearly	\$26,400	\$32,300	\$39,500
Missouri	Hourly	\$11.95	\$14.69	\$18.26
	Yearly	\$24,900	\$30,600	\$38,000

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

National and State Employment Trends

Welders, Cutters, Solderers, and Brazers	Employment		Percent Change	Job Openings*
	2006	2016		
United States	409,000	429,700	+ 5%	10,730
Missouri	8,770	9,200	+ 5%	290

*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

Arcadia Valley Area Career/Tech Center

Ironton, MO
(573) 431-4593
www.mineralarea.edu

Cape Girardeau Career/Tech Center

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

Clinton Technical School

Clinton, MO
(660) 885-6101
clinton.k12.mo.us/index.php?page=ts

Davis H Hart Career Center

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

East Central College

- Four Rivers Career Center
Washington, MO
(636) 583-5193
www.eastcentral.edu

Franklin Technology - MSSU

Joplin, MO
(417) 659-4400
www.ftcjoplin.com

Gibson Technical Center

Reeds Spring, MO
(417) 272-3271
www.wolves.k12.mo.us/gtc

Grand River Technical School

Chillicothe, MO
(660) 646-3414
www.grts.org

Hannibal Career and Technical Center

Hannibal, MO
(573) 221-4430
www.hannibal.tec.mo.us

(more-over)

Herndon Career Center
Raytown, MO
(816) 268-7140
www.herndoncareercenter.com

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

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

Lebanon Technology and Career Center
Lebanon, MO
(417) 532-5494
www.lebanon.k12.mo.us/ltcc

Lex La-Ray Technical Center
Lexington, MO
(660) 259-2264
www.lexington.k12.mo.us

**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

Missouri Welding Institute
Nevada, MO
(800) 667-5885
www.nwi.ws

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

Nichols Career Center
Jefferson City, MO
(573) 659-3100
www.jcps.k12.mo.us

Northland Career Center
Platte City, MO
(816) 858-5505
www.northlandcareercenter.com

Northwest Technical School
Maryville, MO
(660) 562-3022
www.maryville.k12.mo.us/external/home.html

Ozarks Technical Community College
Springfield, MO
(417) 447-7500
www.otc.edu

Perryville Area Career/Tech Center
Perryville, MO
(573) 431-4593
www.perryville.k12.mo.us/careercenter/index.htm

Pike-Lincoln Technical Center
Eola, MO
(573) 485-2900
pltc.k12.mo.us

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

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

**Saint Louis Community College
- Forest Park**
St. Louis, MO
(314) 644-9100
www.stlcc.cc.mo.us/fp

South Central Career Center
West Plains, MO
(417) 256-6152
wphs.k12.mo.us/education/school/school.php?sectionid=5

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

Unitec Career Center
Bonne Terre, MO
(573) 431-4593
www.mineralarea.edu

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

Waynesville Technical Academy
Waynesville, MO
(573) 774-6106
waynesville.k12.mo.us/Schools/WTA



www.missouriconnections.org

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