



MACHINIST

Set up/operate machine tools to produce precision parts and instruments. Include precision instrument makers who fabricate, modify, or repair mechanical instruments. Fabricate/modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a machinist 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 in 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
Machinists	59.5%	37.3%	3.2%
Metal workers and plastic workers	71.7%	26.8%	1.5%
Production	69.1%	25.8%	5.1%

Most Common Educational Level: Long-term on-the-job training

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	\$13.28	\$16.94	\$21.18
	Yearly	\$27,600	\$35,200	\$44,100
Missouri	Hourly	\$12.16	\$14.94	\$19.79
	Yearly	\$25,300	\$31,100	\$41,200

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

National and State Employment Trends

Machinist	Employment		Percent Change	Job Openings*
	2006	2016		
United States	396,500	384,100	-3 %	6,130
Missouri	6,700	6,920	+ 3 %	180

*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

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

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

Franklin Technology-MSSU

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

Lex La-Ray Technical Center

Lexington, MO
(660) 259-2264
www.lexington.k12.mo.us

(more-over)

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

Missouri Southern State University
Joplin, MO
(417) 625-9300
www.mssu.edu

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

Moberly Area Technical Center
Moberly, MO
(660) 269-2690
www.moberly.k12.mo.us

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

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

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

Three Rivers Community College
Poplar Bluff, MO
(877) 879-8722
www.trcc.edu



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ELEMENTARY AND SECONDARY
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www.dese.mo.gov

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