



CAREER PATH Industrial & Engineering Technology

CAREER CLUSTER
Architecture and Construction

CAREER PATHWAY
Maintenance and Operations



HEATING, AIR CONDITIONING AND REFRIGERATION MECHANIC/INSTALLER

Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a heating, air conditioning and refrigeration mechanic/installer 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
Heating, air conditioning & refrigeration mechanics and installers	57.6%	39.0%	3.4%
Installation, maintenance, and repair	54.6%	38.9%	6.4%
Electricians	50.7%	42.4%	6.8%

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	\$14.39	\$18.44	\$23.97
	Yearly	\$29,900	\$38,400	\$49,900
Missouri	Hourly	\$14.35	\$18.41	\$24.18
	Yearly	\$29,800	\$38,300	\$50,300

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

National and State Employment Trends

Heating, A/C and Refrigeration Mechanic/Installer	Employment		Percent Change	Job Openings*
	2006	2016		
United States	291,900	317,400	+ 9 %	7,670
Missouri	6,780	8,100	+ 20 %	220

*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

East Central College

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

Franklin Technology - MSSU

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

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

Linn State Technical College

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

Mineral Area College

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

(more-over)

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

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

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

Vatterott College
O'Fallon, MO
(636) 978-7488
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

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



www.missouriconnections.org

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