



CAREER PATH  
**Health**  
 CAREER CLUSTER  
**Health Sciences**  
 CAREER PATHWAY  
**Diagnostic Services**



## MEDICAL LAB TECHNOLOGIST

Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.

### Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a medical lab technologist 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
Medical and clinical laboratory technologists	14.2%	35.3%	50.5%
Health technologists and technicians	20.1%	57.1%	22.7%
Healthcare practitioner and technical	9.9%	31.0%	59.1%

Most Common Educational Level: Bachelor's degree

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](http://www.oa.doleta.gov/bat.cfm)

### National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$20.77	\$24.87	\$29.40
	Yearly	\$43,200	\$51,700	\$61,200
Missouri	Hourly	\$20.56	\$24.13	\$27.88
	Yearly	\$42,800	\$50,200	\$58,000

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

### National and State Employment Trends

Medical Lab Technologist	Employment		Percent Change	Job Openings*
	2006	2016		
United States	167,200	188,000	+ 12%	4,600
Missouri	3,370	3,930	+ 17%	150

\*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](http://www.dhe.mo.gov)*

**Barnes-Jewish College of Nursing and Allied Health**  
 Saint Louis, MO  
 (314) 454-7055  
[www.barnesjewishcollege.edu](http://www.barnesjewishcollege.edu)

**Culver-Stockton College**  
 Canton, MO  
 (573) 288-6000  
[www.culver.edu](http://www.culver.edu)

**Lester L Cox College of Nursing and Health Science**  
 Springfield, MO  
 (417) 269-3401  
[www.coxcollege.edu](http://www.coxcollege.edu)

**Lincoln University**  
 Jefferson City, MO  
 (573) 681-5000  
[www.lincolnu.edu](http://www.lincolnu.edu)

**Maryville University of Saint Louis**  
 Saint Louis, MO  
 (800) 627-9855  
[www.maryville.edu](http://www.maryville.edu)

**Missouri Southern State University**  
 Joplin, MO  
 (417) 625-9300  
[www.mssu.edu](http://www.mssu.edu)

**Missouri State University**  
 Springfield, MO  
 (417) 836-5000  
[www.missouristate.edu](http://www.missouristate.edu)

(more-over)

**Missouri Western State University**  
Saint Joseph, MO  
(816) 271-4200  
[www.missouriwestern.edu](http://www.missouriwestern.edu)

**Moberly Area Community College -  
Advanced Technology Center**  
Mexico, MO  
(660) 263-4110  
[www.macc.edu](http://www.macc.edu)

**North Central Missouri College**  
Trenton, MO  
(660) 359-3948  
[www.ncmissouri.edu](http://www.ncmissouri.edu)

**Northwest Missouri State University**  
Maryville, MO  
(660) 562-1212  
[www.nwmissouri.edu](http://www.nwmissouri.edu)

**Ozarks Technical Community  
College**  
Springfield, MO  
(417) 447-7500  
[www.otc.edu](http://www.otc.edu)

**Saint Louis University**  
Saint Louis, MO  
(314) 977-2222  
[www.imagine.slu.edu](http://www.imagine.slu.edu)

**Southeast Missouri State University**  
Cape Girardeau, MO  
(573) 651-2000  
[www.semo.edu](http://www.semo.edu)

**Three Rivers Community College**  
Poplar Bluff, MO  
(877) 879-8722  
[www.trcc.edu](http://www.trcc.edu)

**University of Central Missouri**  
Warrensburg, MO  
(660) 543-4111  
[www.ucmo.edu](http://www.ucmo.edu)

**University of Missouri - Columbia**  
Columbia, MO  
(573) 882-2121  
[www.missouri.edu](http://www.missouri.edu)

**William Jewell College**  
Liberty, Mo  
(816) 781-7700  
[www.jewell.edu](http://www.jewell.edu)



[www.missouriconnections.org](http://www.missouriconnections.org)

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[www.dese.mo.gov](http://www.dese.mo.gov)

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