

Occupational Profile: Medical & Clinical Laboratory Technicians

GENERAL OCCUPATION DESCRIPTION

Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.

Source: O*NET online. <http://online.onetcenter.org>

REQUIRED EDUCATION

As shown in the table to right, 45% of interviewed employers reportedly require a High School diploma or less, 35% require a two-year degree or the equivalent, and an additional 20% require a four-year degree or more.

Required Education	
Percent of Employers Requiring HS Diploma or Less	44.82%
Percent of Employers Requiring 2-Year Degree or Equiv	34.72%
Percent of Employers Requiring BS Diploma or More	20.45%

Source: Bureau of Labor Statistics

WAGES

Medical & Clinical Laboratory Technician is considered a medium-wage occupation, with moderate possibility for wage advancement with experience. Employers in Greater Phoenix and the State of Arizona generally pay lower as compared with the overall United States.

Location	Pay Period	2005				
		10%	25%	Median	75%	90%
United States	Hourly	\$9.95	\$12.18	\$15.24	\$18.99	\$23.00
	Yearly	\$20,700	\$25,300	\$31,700	\$39,500	\$47,800
Greater Phoenix	Hourly	9.69	11.3	13.45	16.98	20.69
	Yearly	\$20,165	\$23,515	\$27,989	\$35,335	\$43,056
Arizona	Hourly	\$8.70	\$9.94	\$12.33	\$16.27	\$21.36
	Yearly	\$18,100	\$20,700	\$25,600	\$33,800	\$44,400

Source: Bureau of Labor Statistics

As shown in the table to right, a national comparison of wages for this occupation reveals Arizona ranks 47th in terms of median wages.

RANK	Location	Median Wage 2004	
		Hourly	Annual
1	Rhode Island	\$20.55	\$42,700
2	New Jersey	\$19.26	\$40,100
3	Alaska	\$19.21	\$40,000
4	Hawaii	\$18.20	\$37,900
5	Minnesota	\$17.44	\$36,300
47	ARIZONA	\$12.33	\$25,600

Source: Bureau of Labor Statistics

The table below provides a comparison of wages by sub-industry for the Greater Phoenix region (2005). As shown, the main employment sector, "Specialty Trade Contractors" pays less than the other main employment sector "Construction of Buildings."

Wages by Industry: Greater Phoenix MSA (2005)	Rounded Employment	Mean Wage	10th Percentile Wage	25th Percentile Wage	Median Wage	75th Percentile Wage	90th Percentile Wage
Ambulatory Health Care Services	660	\$11.83	\$7.76	\$9.17	\$10.81	\$14.11	\$17.09
Hospitals	450	\$15.39	\$9.37	\$11.16	\$13.80	\$18.68	\$24.37
Public Administration	50	\$15.94	\$11.94	\$13.58	\$15.73	\$18.16	\$20.61

EMPLOYMENT

As shown in the table below, this occupation has a projected 41% growth rate over 10 years (between 2003 and 2013) for the Greater Phoenix region. There are an average projected 176 job openings each year, comprised of 106 new jobs and 70 positions vacated by individuals leaving the field (due to retirement, death, career changes, or other reasons).

	10-YEAR CHANGE			AVERAGE ANNUAL		
	Employment		Percent Change	Job Openings	Growth	Separations
United States	2004	2014				
Medical and clinical laboratory technicians	146,600	183,300	25%	7,620	n/a	n/a
Arizona	Employment		Percent Change	Job Openings	Growth	Separations
	2004	2014				
Medical and clinical laboratory technicians	2,230	3,080	38%	150	n/a	n/a
Greater Phoenix	Employment		Percent Change	Job Openings	Growth	Separations
	2003	2013				
Medical and clinical laboratory technicians	2,612	3,673	41%	176	106	70

Source: Bureau of Labor Statistics

*Job Openings refers to the average annual job openings due to growth and net replacement.

Source: Bureau of Labor Statistics

**N/A is displayed in cases where data is not available or cannot be published because of federal data privacy standards.

An additional source of information regarding this occupation can be provided by analysis of employer survey data collected for the Maricopa County Community Colleges by the ERISS Corporation in 2004. As shown, the ERISS survey data shows a projected 1-year growth rate of 0%, which is lower than the average of 4.1% per year reflected by the BLS data above.

Additionally, the ERISS data provides an indicator of yearly turnover for this occupation, which is reported to be low at 5%.

ERISS Occupational Survey Data (2004)			
Greater Phoenix	Growth	Turnover	Demand
Medical & Clinical Laboratory Technicians	0%	5%	5%

Comparison of employment projections for top five regions for Medical & Clinical Laboratory Technician

As shown in the table to right, a national comparison reveals the State of Arizona ranks 4th in terms of projected 10-year growth for this occupation (38%).

RANK	Location	Employment		Percent
		2004	2014	Change
1	Nevada	690	1,030	49%
2	Utah	1,830	2,630	44%
3	Colorado	2,330	3,260	40%
4	ARIZONA	2,230	3,080	38%
5	Idaho	420	570	35%

Source: Bureau of Labor Statistics

Employment by Industry

The table below shows the industries that most commonly employ Medical & Clinical Laboratory Technician, and the proportion of employment accounted for at the national level. As shown, "General medical and surgical hospitals, private" is the largest employer for this occupation (35%).

Percent of Employment Nationally by Industry	
Percent	Industry
35%	General medical and surgical hospitals, private
17.7%	Offices of physicians
13.2%	Medical and diagnostic laboratories
6%	Local government hospitals
4%	All other ambulatory health care services
2.9%	State government educational services

Source: Bureau of Labor Statistics

Geo-Location Overlay of Employers with 25 or More Employees that Potentially Employ Occupation (n = 184)

