

# Occupational Profile

## Medical/Clinical Lab Technologists



### DOES THIS DESCRIBE YOU?

**Work Interests** involve descriptive categories (compatible with Holland's Model) attributed to success in this career:

- **Investigative** – Involves working with ideas requiring an extensive amount of research, fact finding, problem solving, and thought analysis.
- **Conventional** – Enjoy following set procedures and routines developed through higher authority; includes working with data and details more than with ideas.
- **Realistic** – Involves work activities that include practical, hands-on problems and solutions; often dealing with plants, animals, and real-world materials like wood, tools, and machinery.

**Work Styles** depict worker characteristics conducive for this career:

- **Attention to Detail**
- **Dependability**
- **Integrity**
- **Analytical Thinking**
- **Cooperation**

**Work Values** are associated with aspects of work that provide satisfaction in this career:

- **Independence**—Autonomy; working on your own.
- **Achievement**—Sense of accomplishment; results oriented.
- **Support**—Management backing.

**Aptitudes** reflect an ability to acquire skills and knowledge for success in this career:

- **Near Vision**
- **Written Comprehension**
- **Inductive Reasoning**
- **Oral Comprehension**
- **Deductive Reasoning**

### OVERVIEW

Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff. Belongs to the Health Science career cluster and Diagnostic Services career pathway.

### SKILLS & KNOWLEDGE NEEDED

#### Basic Skills:

- Reading Comprehension
- Active Listening
- Science
- Critical Thinking
- Operation Monitoring

#### Technology Skills:

- Electronic Mail Software
- Medical Software
- Office Suite Software
- Spreadsheet Software
- Word Processing Software

#### Knowledge:

- Biology
- Medicine and Dentistry
- Customer and Personal Service
- Chemistry
- English Language

## ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2014 Estimated Employment	2024 Projected Employment	2014-24 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,795,100	1,949,240	154,140	0.9	58,145
Healthcare Practitioners & Technical Occupations	86,030	98,955	12,925	1.5	3,190
Medical & Clinical Laboratory Technologists	1,595	1,810	215	1.3	60

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>

## 2017 WAGE & SALARY (\$)

Occupational Title	Mean Wage	Mean Salary	Entry Wage	Entry Salary	Exp Wage	Exp Salary
Total All Occupations	20.93	43,539	10.09	20,991	26.35	54,813
Total Healthcare Practitioners & Technical Occupations	34.33	71,400	17.33	36,038	42.83	89,081
Medical & Clinical Laboratory Technologists	26.48	55,071	19.76	41,095	29.84	62,058

Source: <https://www.iowaworkforcedevelopment.gov/occupational-employment-and-wages>

## EDUCATION & TRAINING

Education	Work Experience	Job Training
Bachelor's Degree	None	None

A bachelor's degree is required for most medical lab technologist positions. Licenses, certificates, and/or commissions are required. Sources: <https://www.iowaworkforcedevelopment.gov/occupational-projections> ,and [https://www.bls.gov/emp/ep\\_education\\_training\\_system.htm](https://www.bls.gov/emp/ep_education_training_system.htm)

## NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level	Minimum Skill Level	Maximum Skill Level
Applied Mathematics	5	4	6
Locating Information	5	3	5
Reading for Information	5	5	6
Applied Technology	n.a.	n.a.	n.a.
Business Writing	3	3	4
Workplace Observation	3	3	5
Listening for Understanding	3	3	4

An ACT assessment-based credential issued in determining essential work skills needed for employment success across industries and occupations. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6 & higher). Source: <http://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>

## PRIMARY INDUSTRY SECTORS

(Where are Medical/Clinical Lab Technologists Employed?)

Hospitals  
Ambulatory Health Care  
Government  
Educational Services

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>



## ADDITIONAL SOURCES:

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