

## Target Group:



## Occupational Profile

# Medical Laboratory Scientist

Standard Occupational Code 29-2011.00

## What They Do

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

## Is This For You?

**Work Interests** are described in the following categories (compatible with Holland's Model). People who tend to succeed in this career are:

**Investigative** - Interested in science and logic. They like to analyze, evaluate, and solve problems, and enjoy learning and understanding the causes of events.

**Realistic** - Enjoy work activities that involve practical, hands-on problems and solutions.

**Conventional** - Enjoy following a set of procedures and routines with a clear line of authority to follow. May include working with data and details more than ideas.

**Work Values** are aspects of work that are satisfying to you. The following work values are generally associated with this career:

**Support** - Offer supportive management that stands behind employees.

**Independence** – Allow employees to work on their own and make decisions.

**Achievement** – Results oriented occupation that allows employees to use their strongest abilities, giving them a feeling of accomplishment.

**Abilities** reflect a person's aptitude to acquire skills and knowledge. The following abilities are important for success in the career:

- Near Vision
- Written Comprehension
- Inductive Reasoning
- Oral Comprehension
- Deductive Reasoning
- Information Ordering

## Skills You Need

- Active Listening – Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times
- Critical Thinking – Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
- Reading Comprehension – Understanding written sentences and paragraphs in work related documents
- Science – Using scientific rules and methods to solve problems.
- Operation Monitoring – Watching gauges, dials, or other indicators to make sure a machine is working properly

## Education & Training

Medical laboratory scientists need a **bachelor’s degree in medical technology or related program.**

## Where They Work

The South Dakota Industries which employ the largest number of medical laboratory scientists are:

- General Medical and Surgical Hospitals
- Offices of Physicians
- Federal Government
- Medical and Diagnostic Laboratories
- Other Ambulatory Health Care Services

## SD Employment & Wages

2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Demand for Workers	Median Annual Wage
140	160	20	13%	20	\$64,750

## Activities: what you might do in a day

- Plan biological research
- Direct medical science or healthcare programs
- Monitor operational procedures in technical environments to ensure conformance to standards.
- Prepare scientific or technical reports or presentations
- Operate laboratory or field equipment
- Analyze biological samples
- Establish standards for products, processes, or procedures.

## Additional References

### Career OneStop

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

### O\*Net Online

[online.onetcenter.org](http://online.onetcenter.org)