



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 Demand for Workers	Average 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

O*Net Online

online.onetcenter.org