

## School Affiliations

United Regional's School of Medical Laboratory Science is affiliated with:

- **Midwestern State University**  
*Wichita Falls, Texas*
- **Texas Woman's University**  
*Denton, Texas*
- **University of North Texas**  
*Denton, Texas*
- **Southwestern Oklahoma State University**  
*Weatherford, Oklahoma*

The Medical Laboratory Science program and United Regional is fully accredited by the National Accrediting Agency for Clinical Laboratory Sciences.

### **NAACLS**

5600 N. River Road  
Suite 720 Rosemont, IL 60018-5119  
713.714.8880  
www.naacls.org  
info@naacls.org

## **APPLICATION INFORMATION**

For an application packet for the Medical Laboratory Science Program at United Regional, please click at the following link;

<https://www.unitedregional.org/united-regional-careers/become-a-medical-laboratory-scientist-mls/>

*Working behind the scenes,  
Medical Laboratory Scientists  
are a vital part of the health care  
team at United Regional.*

*We invite you to join our team of  
health care professionals.*

SCHOOL OF  
**MEDICAL  
LABORATORY**  
S C I E N C E S

  
unitedregional  
1600 Eleventh Street  
Wichita Falls, TX 76301  
www.unitedregional.org

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LABORATORY**  
S C I E N C E S

*A learning experience that  
leads to a profession.*

  
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More than a day's work. It's our life's work.

# You can be an important part of the health care team!

*If you are interested in a career in **Medical Laboratory Science** then United Regional is the place for you.*

*Combining the challenges and rewards of science and medicine, areas of scientific exploration are open to you such as immunology and research.*

*Applicants must possess a degree in biology, chemistry, or a related field with the*

*required biology and chemistry courses, OR be eligible for a Bachelor of Science degree in Medical Laboratory from an affiliated university upon completion of the United Regional program. United Regional's School of Medical Laboratory Science is a 52-week program, starting in July of each year and must be completed in order to be eligible for certification examinations or employment as a Medical Laboratory Scientist.*

## What is a Medical Laboratory Scientist (MLS)?

Medical Laboratory Scientists are highly skilled individuals. Medical Laboratory Science is a profession that involves several areas of the clinical laboratory.

Upon graduation, MLS students are eligible to take national certification examinations and may choose to specialize in a particular area within the laboratory or work as a generalist. With further study and experience, the MLS can become certified in one of the other areas of the laboratory that holds a particular interest for them.

## The Medical Laboratory

In order for a medical laboratory to provide the best possible information about a patient's physiological status, the lab must employ qualified personnel in all areas of the lab. The MLS must be capable of performing analyses on all types of patient specimens. Upon completion of the United Regional MLS school, students will be fully qualified for employment as a medical laboratory scientist.

## Clinical Chemistry Rotation

The Clinical Chemistry lab is primarily involved with analyzing blood and other body fluids for chemical composition. Test results can aid physicians in the diagnosis of diseases such as diabetes, heart conditions and autoimmunity

The laboratory at United Regional has advanced technologies that allows the MLS to perform these—and many other tests—rapidly and accurately. Students will spend 8-weeks in rotation in the areas of General and Special Chemistry, and Specimen Processing.

## Hematology-Coagulation-Urinalysis Rotation

In Hematology blood counts are performed to determine if patients are anemic or have infections or cancers of the blood cells. Other body fluids, with the exception of urine, are also analyzed in this area.

In Urinalysis, macro- and micro-scopic analysis of urine is performed to determine homeostasis in the human body.

In Coagulation, tests are performed to monitor patients on anticoagulant therapy or to test for bleeding disorders such as hemophilia.

Students will spend 10-weeks in rotation in Hematology-UA-Coag learning how to operate the analyzers and to run tests to obtain results.

## Immunology-Serology-Molecular Diagnostics and Research (ISMR) rotation

Four weeks of clinical rotation with learning and performing different tests in the indicated areas. The learning process includes procedures such as agglutination, precipitation, complement fixation, PCR, Gel Electrophoresis, GC/MS, and fluorescent microscopy, to name a few.

## PHILOSOPHY

**Our philosophy is to strive to maintain quality health care by updating and upgrading our education techniques in order to train well-qualified MLS. We will endeavor to promote the professional standards expected in health care and will continue the high academic standards which are essential in the Medical Laboratory Science field.**

## Immunoematology/BB Rotation

This area of the laboratory, also know as the Blood Bank, determines the blood type of patients who require blood transfusions. The donor's blood is tested to assure that the patient receives the safest possible transfusion. Students will spend 8-weeks in rotation in Immunoematology.

## Microbiology Rotation

This area of the laboratory is responsible for identifying disease-causing organisms. Laboratory professionals that work in microbiology study the growth characteristics of organisms that can cause infections. The organisms grow on an artificial medium and are then tested to discover which antibiotics will best work to prevent/stop the infection.

Students will spend 10-weeks in rotation in Microbiology.

## Phlebotomy Rotation

A one week exposure to phlebotomy provided at the UR reference lab facility.

## Lectures/Didactic Time

During the first 8-9 weeks of the rotation, the students are in the classroom. Lectures on all components of the rotation are given during this time.