

Medical Laboratory Science Program

School of Health Sciences

College of Health and Human Services

PROGRAMS

MAJOR

- Medical Laboratory Science

MINORS

- Clinical Biochemistry
- Clinical Hematology
- Clinical Microbiology
- Transfusion Services

Medical Laboratory Science (MLS)

is a branch of medicine dealing with laboratory analyses used in the diagnosis, prognosis and treatment of disease as well as health maintenance. Successful MLS students generally like science and laboratory work. They love solving the diagnostic puzzle, and many incorporate additional science courses into their studies to allow for admission into a variety of graduate schools, including medicine, physician assistant, pathologist assistant, forensics and pharmacy. If you have ever been fascinated by what you saw looking through

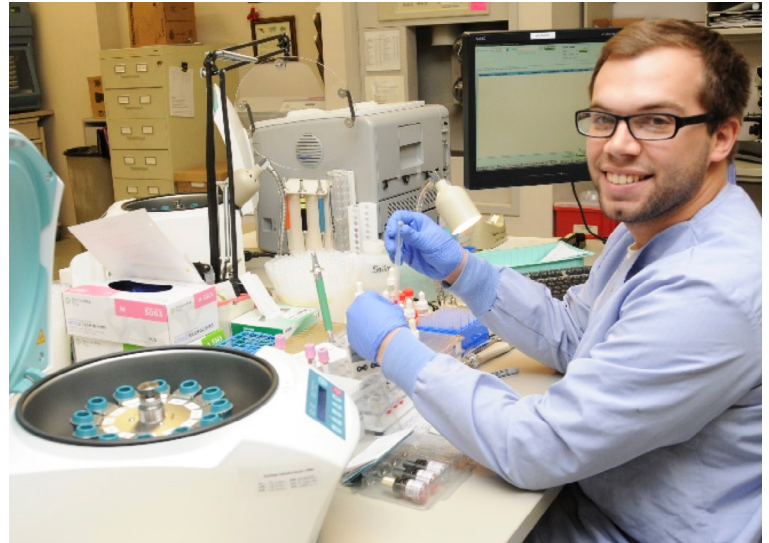
a microscope, what you watched happen in a test tube or what you found growing in Petri dish, this major could be for you.

Career opportunities for MLS graduates are expanding and the job market is excellent. Think of how dependent the country is on rapid, accurate laboratory testing in emergency situations, especially the recent SARS CoV-2 pandemic. In addition, many medical laboratory procedures are now standard protocol: cholesterol testing, drug screening, DNA analysis, HIV testing, microbiological cultures, etc. As the population in the U.S. ages, the capabilities of medical laboratories expand and threats from emerging pathogens loom, there is no end in sight for increased demand for medical laboratory services.

CAREER OPPORTUNITIES

This is a partial list of jobs held by graduates of the Salisbury University Medical Laboratory Science Program:

- Medical Laboratory Scientist
- Research
- Physician
- Physician Assistant
- Forensic Laboratory
- Health Care Administrator
- Health Information Technology
- Public Health
- Pathology Assistant
- Pharmacist
- Laboratory Manager
- Medical Instrument and Product Sales
- Laboratory Technical Support Specialist
- Veterinary Laboratory
- Infection Prevention
- Point of Care Testing
- Blood Banking/Transfusion Service
- Microbiologist
- Biochemist
- Immunologist
- Hematologist and Coagulation Specialist



After earning his MLS degree, Jacob Bollinger earned his M.S. in health science with a physician assistant concentration at the University of Maryland, Baltimore's Program with Anne Arundel Community College.



SU MLS graduate Kiana Roman is currently employed at Children's Hospital of Philadelphia, Infectious Disease Diagnostics Laboratory. She earned her M.S. in infectious diseases at Drexel and even co-authored a study published in the prestigious *Journal of Clinical Microbiology*.

Admission & Program of Study

The national standard for MLS is a baccalaureate degree that incorporates clinical internships. Admission into the MLS program is a two-step process that includes both admission to Salisbury University (SU) and acceptance into the upper-division professional program. Program admission is competitive, and it is highly recommended that students wishing to pursue the degree seek academic advisement early. Information about admission policies are found within the University's catalog and on the program website.

Continued on reverse

FACULTY

Program Director

- Associate Professor
Christina Camillo, Ed.D.
MLS(ASCP)^{CM}
Salisbury University

Assistant Professor

- Meghan S. East, Ed.D.,
M.S.P.A.S., PA-C, MLS(ASCP)^{CM}
Salisbury University

Clinical Faculty

- Melissa D. Olson, M-Biotech,
MLS(ASCP)^{CM}
Johns Hopkins University

"SU's Medical Lab Science Program was very challenging, but I loved it. There are so many things that you can do with a degree in MLS, and I liked knowing that I would have many options. Before graduation, I secured a job with the Immunogenetics Laboratory at University of Maryland where I work with the transplant team. I love knowing that what I am doing makes a difference. Patients often don't see our faces, but the work we do in the laboratory makes a big impact on their lives, even if they don't know it."

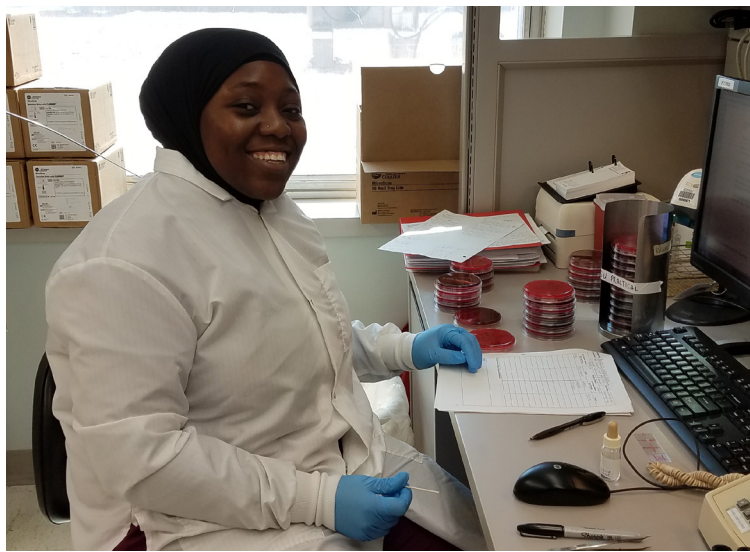
— Kalyñ Fitz-Henry

Make Tomorrow Yours

salisbury.edu/mls

For the first two years at SU, students take classes in basic sciences, math and General Education. Candidates for the program apply in the spring of their fourth semester of study by March 1 for fall admission. Good candidates have an aptitude for science and a good working knowledge of chemistry, biology, physiology, math and microbiology. Students accepted into upper-level MLS professional courses participate in lecture and laboratory experiences for chemical and biological testing related to health and human disease. MLS students learn the scientific principles behind laboratory tests, and in the laboratory, they also acquire hands-on skills to competently perform testing. The final semester includes upper-division study in research and laboratory management as well as internships in various hospitals throughout the region. The SU MLS Program has contracts with many prestigious hospitals (such as Johns Hopkins, Mercy Medical Center and TidalHealth Peninsula Regional, to name a few) where students receive one-on-one teaching from laboratory professionals to hone the skills they acquired on campus and ready them to enter the profession. Following completion of the program, graduates are eligible to take national credentialing examinations recognized by medical laboratory employers.

The SU MLS Program guarantees internship placement as part of the degree, so there are limited seats available each year. These seats are filled first with MLS majors, and if there are any left, students may be



Kamilah Adigun was admitted to the University of Maryland Pathologist Assistant Graduate Program, which is a very small and competitive program. Pathologist assistants help anatomic pathologists in the examination, dissection and processing of tissues and gross autopsy dissection. Pathologist assistants can be found in community and regional hospitals, university medical centers, private pathology laboratories, and medical examiner offices.

admitted to one of the four minors offered by the program (clinical biochemistry, clinical hematology, clinical microbiology and transfusion services).

Accreditation & Outcomes

The SU MLS Program is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS). This means that the program meets high standards, especially with regard to student outcomes. The MLS Program regularly enjoys low attrition rates (as defined by NAACLS), high pass rates on national credentialing exams and high placement rates

into graduate school or employment related to the field. These statistics must be reported publicly and can be found on the program website, allowing prospective students to easily compare programs before making a selection.

Consider yourself invited to make an appointment to get more information and tour the well-equipped analytic laboratories and computer laboratory used by the MLS Program at Salisbury University. Find out if this major is the best career fit for you!

WORK OPPORTUNITIES

Examples of where graduates of the Salisbury University Medical Laboratory Science Program have been employed include:

- Johns Hopkins Hospital
- Children's Hospital of Philadelphia
- University of Maryland Medical Center
- Siemens Technical Support
- Bristol-Myers-Squibb Research
- Children's National Medical Center (Washington, D.C.)
- Becton-Dickinson
- New York Presbyterian (formerly Columbia Presbyterian)
- Blood Bank of Delmarva
- TidalHealth
- Maryland State Department of Health

GRADUATE SCHOOL OPPORTUNITIES

Graduates of the Salisbury University Medical Laboratory Science Program have successfully gained entrance into many graduate programs including:

- Medicine
- Pharmacy
- Physician Assistant
- Pathologist Assistant
- Business and Management
- Education
- Biotechnology and biomedical research
- Healthcare Administration
- Health Informatics
- Forensic Science
- Food Science
- Molecular Biology
- Bioinformatics
- Infectious Disease
- Doctor of Clinical Laboratory Science



Melissa Kollick earned a spot at the National Institute of Health's Summer Internship Program. She said:

"Upon receiving my offer with the Laboratory of Pathology, which is part of the National Cancer Institute, I was pleased to find out that being a MLS major was a key factor that helped me stand out among about 7,500 other students who applied. Having a clinical laboratory science background allowed me to thrive during my time at NIH. I was able to see what I was learning in class put into real-life practice."

CONTACT INFORMATION

For information on the Medical Laboratory Science Program:
410-543-6365



Garrett Gordy was accepted into Kansas University Medical Center's Doctorate in Clinical Laboratory Science (DCLS) Program.

The DCLS offers laboratory professionals an opportunity for advanced practice in a variety of laboratory settings – from industry to public health, and from academia to reference institutions.

A laboratory professional with a DCLS is able to provide a critical link between practice, research, health care policy and education of future laboratory professionals and clinical practitioners.

An important role of the DCLS is to help assure the effective and appropriate utilization of laboratory tests and information. Working with clinicians, they can eliminate unnecessary tests provide education on appropriate evidence-based tests and order the best tests to diagnose a patient's condition. This will result in decreased costs, earlier diagnosis and improved patient outcomes.

Make Tomorrow Yours

salisbury.edu/mls

SU is an Equal Opportunity/AA/Title IX university and provides reasonable accommodation given sufficient notice to the University office or staff sponsoring the event or program. For more information regarding SU's policies and procedures, please visit salisbury.edu/equity.