



BACHELOR OF SCIENCE

MEDICAL LABORATORY SCIENCE

What is Medical Laboratory Science?

Medical laboratory scientists are at the heart of the healthcare system. Their work plays a key role in disease diagnosis, treatment, and health maintenance. These professionals master complex technologies to process and analyze diagnostic testing across a variety of science specialties: chemistry, immunology, microbiology, hematology, immunohematology, molecular biology, and more. They work in a broad range of clinical settings, including hospitals, diagnostic laboratories, and biotechnology and pharmaceutical organizations.

Program Description

Centenary University's Bachelor of Science in Medical Laboratory Science incorporates in-depth academic study with hands-on experience in the University's lab. Students also complete 16 weeks of required clinical experiences in the labs of leading hospitals and core lab facilities, providing them with access to the latest technologies. After graduation, they're well prepared to complete the American Society for Clinical Pathology (ASCP) Board of Certification exam—and work in a wide variety of clinical environments.



GREAT CAREER POTENTIAL

- 70% of all medical decisions based on lab findings
- High demand due to national shortage of qualified clinical laboratory workers
- Field is projected to expand 7% by 2029*

**US Bureau of Labor Statistics*

Is Medical Laboratory Science Right for You?

If you're interested in hands-on science and in handling multiple tasks, medical laboratory science is a great career choice. Medical laboratory scientists work in hospitals, reference laboratories, research facilities, and public health laboratories. These problem-solvers have strong critical thinking skills, who choose to perform scientific testing on patient specimens rather than treating patients. They enjoy the challenge of testing samples using sophisticated equipment, maintaining the integrity of data, and assisting with improved patient outcomes—all in a fast-paced environment.

Important Field

Medical laboratory scientists play a key role in the diagnosis of diseases and injuries. In fact, over 14 billion laboratory tests are ordered annually and the Centers for Disease Control and Prevention (CDC) estimates that 70% of all medical decisions made are based on the testing performed in clinical laboratories.* This underscores the importance of qualified medical laboratory scientists to perform quality testing with accurate and reliable results, which was highlighted during the height of the COVID-19 pandemic.* These professionals worked on the front lines, processing and testing millions of specimens in labs around the nation. Their work produces the scientific data that is critical in guiding the response to emerging COVID-19 variants, shaping healthcare policies around the world.

*<https://www.cdc.gov/csels/dls/strengthening-clinical-labs.html>

Why Choose Centenary University?

Centenary University's Bachelor of Science in Medical Laboratory Science addresses the growing need for trained professionals in the Skylands region of New Jersey. The state is home to well-known health care systems, presenting unique opportunities for Centenary students to gain hands-on clinical experience using the most advanced technologies in the field.

The program is currently undergoing the final stages of the accreditation process with the National Accrediting Agency for Clinical Laboratory Science (NAACLS). Centenary University has been awarded "serious applicant status," which is an important step to full accreditation. This status of the Centenary program permits the University's graduates to take the national certification exam with the American Society for Clinical Pathology (ASCP). ASCP certification is an entry-level designation to ensure graduates have greater opportunities and higher pay.

Developed with the input of clinical laboratory professionals in hospitals and medical research facilities, Centenary's Medical Laboratory Science program is directed by Craig Fuller, Ph.D., MT(ASCP), an experienced medical laboratory scientist and nationally recognized leader in the field. The program's development was built on the University's outstanding reputation in the sciences and community internships. The medical laboratory science program is part of a broader initiative at the University to expand offerings in the health sciences. Centenary has recently introduced new programs in health science, exercise science, and public health. In recent years, Centenary's science majors have won international research competitions and graduates have had an excellent track record for gainful employment and acceptance into advanced degree programs.



Learn More!

There are several ways to discover more about Centenary University's Bachelor of Science in Medical Laboratory Science:

Visit the Medical Laboratory Science web page:
www.centenaryuniversity.edu/MedLabScience

Contact Dr. Craig Fuller: 908-852-1400 x2409
or craig.fuller@centenaryuniversity.edu

Contact Admissions at Centenary:
908-852-1400 or CentUAdmissions@centenaryuniversity.edu



"Each of the clinical rotations has been an eye opener on how important our jobs are to our patients."

Evonne Scott '21
Medical Laboratory Science
Graduate

About Centenary University

Founded in 1867 by the Newark Conference of the United Methodist Church, Centenary University's academic program integrates a solid liberal arts foundation with a strong career orientation. This mix provides an educational experience that prepares students to succeed in the increasingly global and interdependent world. The University's main campus is located in Hackettstown, N.J., with its equestrian facility in Washington Township. The Centenary University School of Professional Studies offers degree programs in Parsippany, as well as online and at corporate sites throughout New Jersey.

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