



# BACHELOR OF SCIENCE: CLINICAL/MEDICAL LABORATORY SCIENCE

Monmouth University's Department of Chemistry and Physics in the School of Science offers degree programs in Medical Laboratory Science (MLS) and Clinical Laboratory Sciences (CLS) that prepare students to work as skilled professionals in medically related laboratories. Students complete three years of course work focused on chemistry and biology, followed by a one-year, hands-on internship at one of several hospital sites. Professionals in these areas provide laboratory data that are essential to the diagnosis of diseases, management of patient therapy, and maintenance of health.

The outstanding success of Monmouth's MLS and CLS majors is directly related to the personal guidance students receive from the faculty. Monmouth offers the resources of a larger university combined with the specialized attention afforded by a small student-to-teacher ratio. Students have the opportunity to become familiar with modern instrumentation under the guidance of experts. Teaching laboratories have computers available for automated data acquisition. Faculty advising is provided to all MLS and CLS students to help them prepare for hospital internships and careers. Contact with alumni working in the field is also available.

## MEDICAL LABORATORY SCIENCE

The Bachelor of Science in MLS consists of 96 credits of collegiate work at Monmouth University followed by a one-year internship in a National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) approved hospital (Jersey Shore University Medical Center or Monmouth Medical Center). Students in this program master laboratory analytical procedures in chemistry, hematology, immunology, and microbiology and thus aid in the diagnosis and treatment of diseases.

At the conclusion of the program, students must pass a national exam to become certified medical laboratory scientists. Graduates of this program are awarded a degree from Monmouth University.

## CLINICAL LABORATORY SCIENCE

Students also have the option of a Bachelor of Science in CLS with a concentration in MLS. This program requires 83 credits of course work at Monmouth University followed by a 15-month internship at the Rutgers School of Health Professions (Rutgers-SHP). Students in the CLS program take course work similar to those in MLS. They also take the same certification exam and are prepared for the same careers. Graduates of this program are awarded a joint degree from Monmouth University and Rutgers-SHP.





## OUTCOMES

Graduates of these rewarding programs are highly employable and enjoy excellent starting salaries in the \$60,000 to \$70,000 range. The field provides opportunities for career advancement as well as graduate study.

Graduates in MLS and CLS find employment opportunities in the laboratories of:

- Hospitals
- Physicians' offices
- Veterinary settings
- Commercial medical laboratories
- Pharmaceutical industry
- Cosmetics industry
- Chemical industry

Graduates are also employable in research and teaching institutions, forensic and law enforcement laboratories, and public health departments.

MLS and CLS students pay reduced tuition during their hospital internships and have an outstanding record of post-graduation job placements with employers such as:

- Quest Diagnostics
- Memorial Sloan Kettering Cancer Center
- Thomas Jefferson University Hospital
- Jersey Shore University Medical Center
- Monmouth Medical Center
- Hackensack University Hospital
- Kimball Medical Center
- Robert Wood Johnson University Hospital
- Overlook Hospital
- NY Presbyterian Healthcare System
- Capital Health Hospitals

*"I built a strong foundation in laboratory technique in the laboratories at Monmouth. Under the guidance of my professors, I learned the importance of following procedure to attain precise results." - Justin Hanenberg '10, Field Application Specialist, The Binding Site*

