

CLINICAL CERTIFICATE IN BLOOD BANKING

Laboratory Medicine is essential to the practice of healthcare and competent laboratorians are critical to the prevention, diagnosis, treatment, and monitoring of health and disease.

Blood Banking Scientists perform specialized and routine testing to determine patient blood types, identify blood antibodies, and provide blood products compatible for transfusion to patients. Students who complete the Clinical Certificate in Blood Banking will immediately be eligible to sit for the American Society of Clinical Pathology (ASCP) Board of Certification (BOC) Blood Banking exam through Route 3 eligibility after the conclusion of the program.

The Clinical Certificate in Blood Banking is offered under the umbrella of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) accredited M.S. in Medical Laboratory Science (MLS) program (<https://www.luc.edu/parkinson/mls/msinmedicallaboratoryscience/>), meeting rigorous standards for quality, education, and innovation. *NAACLS can be contacted at: National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road, Suite 720 Rosemont, IL 60018; Ph: 773-714-8880; Fax: 773-714-8886; Email: info@NAACLS.org*

Related Programs

Master's

- Clinical Research Methods and Epidemiology (MS) (<https://catalog.luc.edu/graduate-professional/health-sciences/clinical-research-methods-epidemiology-ms/>)

Certificate

- Clinical Certificate in Hematology (<https://catalog.luc.edu/graduate-professional/health-sciences/clinical-certificate-hematology/>)
- Clinical Certificate in Microbiology (<https://catalog.luc.edu/graduate-professional/health-sciences/clinical-certificate-microbiology/>)

Curriculum

Students will start coursework in the Fall semester and complete in the following Summer.

Code	Title	Hours
MLS 401	Laboratory Fundamentals	2
MLS 410	Clinical Immunology	2
MLS 460	Immunohematology	5
MLS 483	Clinical Practice in Immunohematology	3
Total Hours		12

Suggested Sequence of Courses

Course	Title	Hours
Year One		
Fall		
MLS 401	Laboratory Fundamentals	2
MLS 410	Clinical Immunology	2
Hours		4

Spring		
MLS 460	Immunohematology	5
Hours		5
Summer		
MLS 483	Clinical Practice in Immunohematology	3
Hours		3
Total Hours		12

Graduate & Professional Standards and Regulations

Students in graduate and professional programs can find their Academic Policies in Graduate and Professional Academic Standards and Regulations (<https://catalog.luc.edu/academic-standards-regulations/graduate-professional/>) under their school. Any additional University Policies supersede school policies.

Learning Outcomes

Upon successful completion of a clinical Certificate program, students will:

- Apply critical thinking skills to evaluate and interpret clinical data.
- Exhibit oral and written communication skills sufficient to serve the needs of patients and the health care team.
- Demonstrate competency needed to work as a medical scientist in their specific concentration by performing basic and diagnostic laboratory analysis in accordance with established laboratory procedures.