

CLINICAL LABORATORY SCIENCE (CERTIFICATE)

The post-baccalaureate certificate program in Clinical Laboratory Science is designed for students with baccalaureate degrees in the chemical or biological sciences who seek licensure/certification in clinical laboratory science. Individuals completing the program are prepared to work in the clinical laboratory areas of chemistry, microbiology, immunohematology, hematology, and immunology. Clinical experiences at community laboratories are integrated within the curriculum and enhance your growth as professionals.

Program Accreditation

The program is accredited by NAACLS (5600 N. River Road, Suite 720, Rosemont, IL 60018, 773-714-8880).

Program Admission Requirements

1. Submission of a FGCU Post-Baccalaureate Non-Degree Application to the Office of Graduate Admissions prior to the established deadline.
2. Submission of a completed application for the Clinical Laboratory Science Certificate program to the Department of Health Sciences prior to the established deadline.
3. Baccalaureate degree or higher from an institution that maintains accreditation by a U.S. Department of Education sanctioned accrediting body (<https://www.ed.gov/laws-and-policy/higher-education-laws-and-policy/college-accreditation>) or equivalent foreign institution, as documented by official transcripts. All specific prerequisite courses for the major must have been completed within the past seven years.
4. A cumulative grade point average of 3.20 for the prerequisite course work.
5. International graduate applicants are required to submit a minimum TOEFL score of 550 (paper based-test) or 213 (computer-based test) or 79 (internet-based test) or a minimum IELTS score of 6.5.
6. Complete the following prerequisite courses or the equivalent with a grade of C or above:
 - a. Biology 16 credits (with Microbiology and Anatomy/Physiology)
 - b. Chemistry 16 credits (with Organic or Biochemistry)
 - c. Mathematics 3 credits
7. The following prerequisite courses or the equivalent are recommended:
 - a. Genetics
 - b. Immunology

Program Progression and Additional Graduation Requirements

- Students must satisfactorily complete the 39 credits specified by the certificate program.
- A grade of C or higher must be earned in all Clinical Lab Science certificate courses.

Program Requirements

Code	Title	Credits
Required Courses		(39 credits)

Minimum grade of C (not C-) is required in each course

MLS 3038	Essentials of Clinical Lab Sci	3
MLS 3220	Biological Fluid Analysis	2
MLS 4191	Molecular Diagnostics	3
MLS 4308	Hematology/Hemostasis	3
MLS 4404	Diagnostic Microbiology	3
MLS 4462	Diagnostic VMP	3
MLS 4505	Clinical Immunology	2
MLS 4550	Immunohematology & Transfusion	3
MLS 4627	Clinical Biochemistry	3
MLS 4820C	Clinical Biochemistry Practicu	3
MLS 4821C	Clinical Microbiology Practicu	3
MLS 4822C	Clinical Hematology Practicum	3
MLS 4823C	Clinical Immunohematology Prac	3
MLS 4826C	Clinical Immunology Practicum	2

Total Credits Required: 39