

CLINICAL LABORATORY TECHNOLOGY (CLAB)

ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE

Occupational Title: Clinical Laboratory Technician**Flanagan Campus, Lincoln only****The Clinical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences****5600 N. River Rd., Suite 720, Rosemont, IL 60018, 773-714-8880.**

Tremendous advances in medicine have resulted in an ever-increasing demand for diagnostic laboratory tests. The complexity of laboratory sciences today requires a highly trained technician to carry out these intricate analyses. The Clinical Laboratory Technology program prepares students to enter this interesting and rewarding field.

This program provides the classroom and laboratory preparation required for students to work under supervision in a hospital or a public or private health laboratory, performing a wide variety of blood, chemical, microbiological, immunological and other clinical laboratory tests. Students undertake three semesters of preparation at CCRI and two semesters at an affiliated site where clinical practices are performed under the supervision of qualified, registered, professional personnel. Techniques of the operation, care and maintenance of the latest equipment are emphasized throughout the clinical and academic experiences.

The Clinical Laboratory Technology program prepares students as clinical laboratory technicians with entry-level knowledge, application and problem-solving skills to competently and safely perform a variety of laboratory procedures and function as an active member of the health care team.

Graduates of this program are eligible for employment in a hospital, public or private health laboratory, health care clinic, veterinary office, research lab, crime lab or pharmaceutical labs, performing a wide variety of blood, chemical, microbiological, immunological and other clinical laboratory tests. They may also choose to transfer to a bachelor's degree program at a four-year college or university.

Graduates are eligible to become licensed in the state of Rhode Island to practice and to sit for the national certification examination for CLT given by the ASCP Board of Certification (BOC).

Technical standards: The physical activity (strength) level for Clinical Laboratory Technician (078.381-014) is classified as "light" by the Department of Labor.

P This course has a prerequisite. See Course Descriptions section for class hours, prerequisites and corequisites.

**GENERAL POLICIES**

See important general policies in the beginning of this section on academic progress, advanced standing, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

ADMISSION REQUIREMENTS

- Submit a completed Health Sciences performance-based application to the program.
- High school transcript or a General Equivalency Diploma (GED) including date of graduation.
- Completion of ACCUPLACER test is required. Competency of 80 or above on reading comprehension test or completion of ENGL 0890.
- Completion of BIOL 1002 with a grade of "C" or better.
- Completion of the PSB-Health Occupations Aptitude Examination.
- ENGL 1300 may not be substituted for ENGL 1010.

PROGRAM REQUIREMENTS

- Students are responsible for the purchase of books, uniforms and transportation to clinical assignments.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student's academic, clinical or behavioral performance.
- Students must complete all courses in this program with a cumulative index of 2.0 to qualify for the Associate in Applied Science degree.
- **No grade of less than "C"** is acceptable in any technical course (MLTC). Students receiving less than "C" will be dismissed from the program.

CLINICAL LABORATORY TECHNOLOGY (continued)

GENERAL EDUCATION REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGL 1010*	Composition I	3
<input type="checkbox"/> MATH 1700* OR MATH 1200*	Algebra for Technology OR College Algebra	3
<input type="checkbox"/> PSYC 2010	General Psychology	3
<input type="checkbox"/> BIOL 1002+	Introductory Biology: Cellular	4
<input type="checkbox"/> CHEM 1030*	General Chemistry I	5
<input type="checkbox"/> Social Science Elective	See pg. 17 for complete description of courses that meet this require- ment	3
Total General Education Credits		21

* Placement test required

+ Must be taken prior to admission

IMPORTANT:

Major requirements must be taken as follows:

First semester take: MLTC 1210, 1120

Second semester take: MLTC 1110, 1160, 1130, 1190, 1150

Third semester take: MLTC 1930, 1940, 1950, 1970

Fourth semester take: MLTC 2110, 2120, 2190

Fifth semester take: MLTC 2910, 2920, 2930, 2990

MAJOR REQUIREMENTS UNLESS OTHERWISE NOTED IN COURSE DESCRIPTIONS. MAJOR REQUIREMENTS ARE OPEN ONLY TO STUDENTS WHO ARE FORMALLY ACCEPTED INTO THE PROGRAM.

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> MLTC 1210**	Introduction to Clinical Laboratory Science	3
<input type="checkbox"/> MLTC 1110	Bacteriology	4
<input type="checkbox"/> MLTC 1150 P	Urinalysis	3
<input type="checkbox"/> MLTC 1120	Clinical Immunology/Serology	3
<input type="checkbox"/> MLTC 1160	Immunoematology	3
<input type="checkbox"/> MLTC 1130 P	Phlebotomy for Clinical Laboratory Technicians I	1
<input type="checkbox"/> MLTC 1190	Fundamentals of Clinical Chemistry	3
<input type="checkbox"/> MLTC 1930 P	Phlebotomy for Clinical Laboratory Technicians II (1 wk/40 hrs)	1
<input type="checkbox"/> MLTC 1940 P	Clinical Immunology/ Immunoematology	4
<input type="checkbox"/> MLTC 1950 P	Clinical Urinalysis	2
<input type="checkbox"/> MLTC 1970 P	Clinical Laboratory Information Systems for CLT (2 weeks)	2
<input type="checkbox"/> MLTC 2110 P	Clinical Microbiology I	4
<input type="checkbox"/> MLTC 2120 P	Hematology	4
<input type="checkbox"/> MLTC 2190 P	Clinical Chemistry I	5
<input type="checkbox"/> MLTC 2910 P	Clinical Microbiology II	4
<input type="checkbox"/> MLTC 2920 P	Clinical Hematology	4
<input type="checkbox"/> MLTC 2930 P	Clinical Laboratory Science Seminar	2
<input type="checkbox"/> MLTC 2990 P	Clinical Chemistry II	4
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
Total Major Requirements Credits		59

** This course is open to any student interested in the field of clinical laboratory technology.

Total Program Credits

80

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