



**CREDENTIAL**

Ontario College Certificate

**PROGRAM CODE**

Fall: 0603

**AREA OF INTEREST**

Health

**LOCATION**

Dryden, Fort Frances, Greenstone Campus, Kenora, Marathon, Red Lake, Sioux Lookout, Thunder Bay

**DURATION**

1 -year

**Overview**

Confederation College's Medical Laboratory Assistant program provides you with the education and hands-on experience you need to succeed in a lab career.

You will collect blood samples for laboratory analysis and assist professionals in the lab. You'll also learn how to work with patients to conduct laboratory tests and procedures including positioning Holter Monitors and performing ECGs. The emphasis is on building practical skills backed up with in-class learning in topics such as professional practice, microbiology and sociology to give you a good overview of the field.



**Top Highlights**

- You'll learn a wide range of skills including collecting and sorting samples for analysis, preparing lab tests and performing different technical procedures
- Program features a work placement during the second semester so you get hands-on experience in the field
- Upon graduation from this program, you will be qualified to write the Medical Laboratory Professionals' Association of Ontario (MLPAO) and the Canadian Society of Medical Laboratory Science (CSMLS) certification exams



**Employment Opportunities**

Diverse employment opportunities exist with hospital, private and public health laboratories, clinics, research labs, and commercial diagnostic supply companies. Lab Technician, Phlebotomist (responsible for taking blood samples), and Clinic Assistant are typical positions.

Due to automation and centralization of laboratory services, forecasts for the future indicate there will be employment opportunities for medical laboratory assistants with a broad base of skills.



**Experiential Learning**

Labs, Placement



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# Medical Laboratory Assistant

## Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

## Other Courses Required

- Grade 12 Math (College or University Preparation) and
- Grade 11 or 12 Chemistry (College or University Preparation) and
- Grade 11 or 12 Biology OR Physics (College or University Preparation)

## Alternative Pathways

If you do not possess the necessary admission requirements (or equivalency), we encourage you to consider our Pre-Health Sciences-Pathway to Certificates and Diplomas program which will provide the necessary preparation to apply to this program. Completion of the Pre-Health Sciences-Pathway to Certificates and Diplomas program does not guarantee admission to the Medical Laboratory Assistant program in a subsequent year.

## Articulation Agreements

Confederation College has agreements in place that permit credits earned throughout this program to be transferred to programs at other colleges and universities.

Visit: [confederationcollege.ca/articulation-agreements](https://confederationcollege.ca/articulation-agreements) for more information.

## First Semester

CS 050 College Writing  
ML 101 Laboratory Science & Techniques  
ML 103 Specimen Procurement and Handling  
ML 105 Professional Practice  
PW 130 Anatomy & Physiology  
SY 066 Sociology of Community:  
The Indigenous Context

## Second Semester

ML 210 Clinical Chemistry  
ML 230 Hematology and Transfusion Medicine  
ML 250 Microbiology  
ML 270 Histotechnology and Cytology  
ML 280 MLA Skills Integration Lab  
ML 390 Field Placement1

## Notes:

ML 280 MLA Skills Integration Lab is 6 hours in total (2-3 hour labs per week).

ML 390 Field Placement is 150 hours. This field placement takes place at the END of semester two for 8 additional weeks. You will be required to complete one of the two four week blocks.

**Some students will have to go out of town for field placements.** Students are responsible for all costs associated with out of town placements. Students are responsible for finding and making all of their arrangements for transportation, accommodation, etc.



**Have questions? Want to apply?**  
Contact [recruitment@confederationcollege.ca](mailto:recruitment@confederationcollege.ca)

