

Bachelor of Science in Medical Laboratory Science

PROGRAM DETAILS

The Medical Laboratory Science program in the Faculty of Medicine & Dentistry offers a versatile, four-year professional degree in Medical Laboratory Science (students acquire both general certification from the Canadian Society for Medical Laboratory Science and a Bachelor of Science in Medical Laboratory Science). The program is designed to provide a broad, well-rounded education to meet the demand in public and private labs for more highly qualified laboratory personnel.

This fully integrated program consists of one pre-professional year followed by three years in the Medical Laboratory Science program.

RECOMMENDED ALBERTA HIGH SCHOOL COURSES (OR EQUIVALENT)

- English Language Arts 30-1
- Biology 30
- Chemistry 30
- Mathematics 30-1

PRE-PROFESSIONAL COURSE REQUIREMENTS

The following 30 units of pre professional coursework are required.

- English (6 units)
- General Chemistry (6 units)
- Organic Chemistry (3 units)
- Biology - Cell Biology (3 units)
- Biology - Molecular Genetics and Inheritance (3 units)
- Science or Math (3 units)
- Statistics (3 units)
- Open Option - any Faculty (3 units)

OTHER REQUIREMENTS

The selection process is competitive, and applicants will be ranked primarily on academic achievement in the required pre-professional courses. A minimum GPA of 2.7 is required in pre-professional

coursework. Other factors considered in ranking include overall academic achievement (emphasizing recent academic performance), a demonstrated ability to perform well in a consecutive Fall/Winter Term of full time study (preferably 30 units), a personal interview, and a letter of intent.

The required courses or their transfer equivalents are available at various postsecondary institutions in Alberta. **Please note:** A minimum grade of C- (or equivalent) is required in any transfer course (i.e. courses not completed at the University of Alberta) used to meet a pre-professional requirement. For equivalencies visit [Transfer Alberta](#) or the [UALberta Transfer Credit Search Tool](#).

Other factors considered in the selection process include:

- **Language Proficiency Requirements:** All applicants must meet the [English Language Proficiency and Spoken English requirements](#).
- **Letter of Intent:** Applicants must submit a letter with their application for admission before the designated deadline. Prospective students are encouraged to investigate the career to assist in their understanding of the program. Please see the [MLS Letter of Intent](#) page for instructions.
- **Personal Interview:** Interview selection is based on postsecondary academic records and a letter of intent received by **May 1**. Selected applicants will be interviewed to determine if they have the qualities necessary for the profession. The interview will evaluate qualities such as communication, teamwork, reflection, conflict resolution, empathy, responsibility, initiative, problem-solving ability, prioritization and organization. Short-listed applicants will be advised of the interview date.
- **Technical Standards:** Students admitted to the program must adhere to the Division of Medical Laboratory Technical Standards Policy which defines the knowledge, skills, professional behaviors, and attitudes required.

Note: For further details regarding other requirements please refer to the [Calendar](#).

QUOTA

The Medical Laboratory Science program is currently accepting up to 40 students and will provide admission to all qualified Indigenous applicants not to exceed the current quota.

Note: Because the number of candidates who meet the minimum requirements for admission exceeds the quota, it should be understood that eligibility does not guarantee admission. Admission is determined on a competitive basis.

IMPORTANT DATES

Application Deadline: April 1, 2026

Letter of Intent Deadline: May 1, 2026

Documents Deadline: June 15, 2026

Post-Acceptance Requirements:

- Submission of a [non-refundable deposit](#)
- [Police Information Check](#) including Vulnerable Sector Check
- Completion of [Indigenous Canada Massive Open Online Course \(MOOC\)](#)
- Immunizations - further information provided on admission to the program
- Mandatory Student Orientation
- Participate in mandatory [N-95 Respirator Fit Testing](#), done prior to term 2 and students are responsible for the costs.

FAQ

Visit our [FAQ page](#) for answers to common questions about the program.

CONTACT

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