

Calendar Year: 2004-2005
Faculty: Arts & Science (UofL)

Students with an academic objective of Medicine at the University of Alberta are admitted to the B.Sc. program with a major in Agricultural Biotechnology, Biochemistry or Biological Sciences. The suggested sequencing for the first year is as follows and should be taken in conjunction with the suggested sequencing of the B.Sc. major:

FALL	SPRING
Biology 1010 Chemistry 1000 Mathematics 1560 (see note 3 below) Physics 1000 (see note 1 below) GLER course	Biology 1020 Chemistry 2000 English 1900 Statistics 1770 GLER course

To be in a position to apply to the Faculty of Medicine at the University of Alberta after completion of 30 courses, students must include the following:

Biochemistry 3010 - Biochemistry I
Biochemistry 3020 - Biochemistry II (recommended)
Biology 1010 - Cellular Basis of Life
Biology 1020 - Diversity of Life
Biology 2000 - Principles of Genetics
Chemistry 1000 - Atoms, Molecules & Chemical Reactions
Chemistry 2000 - Chemical Equilibrium & Electrochemistry
Chemistry 2500 - Organic Chemistry I
Chemistry 2600 - Organic Chemistry II
English 1900 - Introduction to Language and Literature
English elective
Mathematics 1560 - Calculus I
Physics 1000 - Introduction to Physics I
Physics 2000 - Introduction to Physics II
Statistics 1770 - Introduction to Probability and Statistics

The pre-Medicine courses are sequenced to allow students to complete the specific prerequisites in three years. Keep in mind that most successful applicants are admitted after the completion of an undergraduate degree, so degree requirements must also be considered when registering each term.

Considerations when choosing courses:

Most of the courses required for Medicine (U of A) are among requirements for the Agricultural Biotechnology, Biochemistry and Biological Sciences majors. Students should follow the sequencing plan for their chosen U of L major, adjusting course selection as appropriate to meet requirements for Medicine. Students should take note of the following:

1. Physics 1000 is required for Medicine (U of A). Although Physics 1050 satisfies degree requirements for Agricultural Biotechnology, Biochemistry and Biological Sciences, it will not fulfill pre-Medicine requirements for the University of Alberta.

2. Physics 2000 is required for admission to Medicine. The Biochemistry major includes Physics 2000 as a degree requirement; students with a major in Agricultural Biotechnology or Biological Sciences must include Physics 2000 as an elective (course outside the major).
3. Both Mathematics 1560 and Statistics 1770 are required for admission to Medicine:
 - a) Mathematics 1560 is specifically required for Biochemistry. Biological Sciences majors should choose Mathematics 1560 as their required numeracy cognate. Agricultural Biotechnology majors require one of Mathematics 1560 or Statistics 1770 (see b. below) but need both for Medicine. Choose Math 1560 to fulfill this requirement.
 - b) Statistics 1770 is not required for Biochemistry; majors must complete it as an elective. Biological Sciences and Agricultural Biotechnology majors must also complete it in place of an "elective" in their program.
4. Chemistry 2000 is specifically required for the Biological Sciences and Biochemistry majors. Agricultural Biotechnology majors need Chemistry 2000 as both the prerequisite for Chemistry 2500 and a pre-Medicine requirement.
5. For all three U of L majors for the B.Sc., the two English courses are outside the major. These courses will fulfill two List I (Fine Arts and Humanities) courses for the General Liberal Education Requirement (GLER).
6. Chemistry 2500 and 2600 are required for the Biochemistry major. Students in the Agricultural Biotechnology and Biological Sciences majors should choose Chemistry 2500 and 2600 to fulfill the organic chemistry component and to meet the prerequisite for Biochemistry 3010 (Biochemistry I).
7. Students with the Biological Sciences major should choose Biochemistry 3010 (Biochemistry I) for List I: Cellular and Molecular Biology.

Medicine

University of Alberta

University of
Lethbridge



Program Planning Enclosure

8. The Faculty of Medicine (U of A) requires students to have 3.0 credit hours in Biochemistry. Biochemistry 3010 (Biochemistry I) is intended to be taken in Year Three, Fall at U of L. The Faculty of Medicine strongly recommends that students also complete Biochemistry 3020 (Biochemistry II) as a full year of Biochemistry is beneficial and appropriate for medical studies.

Biochemistry 2300 (Elements of Human Nutrition) is not acceptable for the Biochemistry requirement.

Students considering applying to the Faculty of Medicine before completion of three full years of study should consult an Academic Advisor before registering for their first year.

Choice of Major:

Students with an academic objective of Medicine (UofA) are admitted to the B.Sc. program with a major in Agricultural Biotechnology, Biochemistry or Biological Sciences. The choice of major does not affect a student's eligibility for admission to the Faculty of Medicine (U of A) but does affect registration priority for courses at the UofL. After completion of a year or two, students may elect to change majors and complete another degree program such as a B.Sc. with a major in Chemistry or Neuroscience. Students considering a change of major should consult an Academic Advisor.

INFORMATION

DOCTOR OF MEDICINE (M.D.)

The University of Lethbridge endeavours to provide students with complete, timely and accurate information but cannot guarantee the offerings of other institutions. At the time of publication, the information listed below was correct.

Application Information for the Faculty of Medicine:

The Faculty of Medicine stresses that, although students may be eligible for admission after two full years of study, most successful applicants are admitted after the completion of an undergraduate degree. Applications from degree holders are considered first.

The Faculty of Medicine does not accept international students.

For information about the B.A. or B.Sc. after transfer to a professional faculty (Medicine), see the **2004-2005 University of Lethbridge Calendar, Part 7, Section 18, p. 103**, and consult with Arts and Science Student Program Services (SU 060; tel. 403-329-5106).

Applicants are expected to have completed the following secondary school courses: Biology 30, Chemistry 30, English 30, Mathematics 30 or Pure Mathematics 30, and Physics 30.

Admission (for 2005) is based on the following criteria:

1. *Academic Average:* This will be based on all academic study done while registered as a full-time student (18.0 credit hours in a Fall/Spring sequence). The minimum requirement for admission to the M.D. program is the satisfactory completion of 60.0 credit hours of university work, of which 30.0 credit hours must be completed during one Fall/Spring academic year. A minimum GPA of 3.70 must be presented to be eligible after only two or three years of study.
2. *Prerequisite Course GPA:* This is based on the specific prerequisite courses, regardless of the semester in which they were taken. Only the first passing grade of any course will be used in this calculation.
3. *Medical College Admission Test (MCAT):* The MCAT may be written more than once. Only the highest score achieved will be used for admission purposes. If you have an MCAT score older than three years and plan to apply for 2005 admission, check with the Faculty of Medicine.

All students must write the MCAT no later than the August prior to the November application deadline. The results must be received by the Faculty of Medicine by November 15.

4. *Non-Academic Criteria:* An essay, resumé and letters of reference are required. These must be received by the Faculty of Medicine by November 15.

5. *Interview:* Applicants under serious consideration will be offered an interview.

Application Procedure:

Application must be made *online* at: <http://www.registrar.ualberta.ca>

The application must be received by **November 1** of the year prior to that for which admission is sought. Transcripts for degree holders must be received by January 31. Transcripts for undergraduate applicants, showing completed work and current course registration, must be submitted by January 31. Final transcripts for undergraduate applicants must be submitted by June 15.

General Information:

Students should contact the Faculty of Medicine if concerned about:

- The treatment of 'D' grades in the admission GPA; and,
- The treatment of Cr/NC or P/F courses.

Students interested in Medicine at the University of Alberta are urged to consult with Student Program Services (SU060; tel. 403-329-5106; e-mail: l.ambedian@uleth.ca). Direct consultation with the University of Alberta is strongly recommended because regulations may be amended without notice.

Admissions Officer
The Faculty of Medicine
2-45 Medical Sciences Building
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Tel. 780-492-6350

E-mail: Admissions@med.ualberta.ca

Web site: <http://www.registrar.ualberta.ca>

<http://www.med.ualberta.ca/education/ugme>

The information provided in this Enclosure is updated annually but is subject to change at any time. Students are directed to consult with the University of Alberta for program and application details to ensure compliance with current requirements and deadlines.

