



## Program Planning Enclosure

Current and past Program Planning Guides are available on the UofL website at [www.uleth.ca/ross/ppgs/ppg.html](http://www.uleth.ca/ross/ppgs/ppg.html)

Calendar Year: 2010/2011

Faculty: Arts & Science (U of L)

### Sample Sequencing Plan

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:

<b>Year 1, Fall</b>	<b>Year 1, Spring</b>
Biology 1010	Biology 1020
Chemistry 1000	Chemistry 2000
Mathematics 1560	English 1900
Physics 1000 or Physics 1050	Statistics 1770
GLER course	GLER course

### Admission to the University of Alberta

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 2000 - Introductory Biochemistry  
 Biology 1010 - Cellular Basis of Life  
 Biology 1020 - Diversity of Life  
 Biology 2000 - Principles of Genetics  
 Chemistry 1000 - General Chemistry I  
 Chemistry 2000 - General Chemistry II  
 Chemistry 2500 - Organic Chemistry I  
 Chemistry 2600 - Organic Chemistry II  
 English 1900 - Introduction to Language and Literature  
 English elective  
 Mathematics 1560 - Calculus I

**One of:**

Physics 1000 - Introduction to Physics I  
 Physics 1050 - Introduction to Biophysics  
 Physics 2000 - Introduction to Physics II  
 Statistics 1770 - Introduction to Probability and Statistics

The Faculty of Medicine encourages students to complete a full year (6.0 credit hours) of Biochemistry courses as preparation for medical studies. Students may choose one of the following courses, in addition to Biochemistry 2000:

- \* Biochemistry 3100 - Proteins, Enzymes and Nucleic Acids
- \*\* Biochemistry 3300 - Bioenergetics and Metabolism

*\* Students choosing Biochemistry 3100 must also take Chemistry 2410 to satisfy prerequisites/corequisites.*

*\*\* Students choosing Biochemistry 3300 must also take Chemistry 2740 and Mathematics 2560 to satisfy prerequisites/corequisites.*

### Considerations when choosing courses:

Most of the courses required for Medicine are among requirements for the Agricultural Biotechnology, Biochemistry and Biological Sciences majors. Students should follow the sequencing plan for the UofL major, adjusting course selection as appropriate to include requirements for Medicine. Students should take note of the following:

1. 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).
2. Because Mathematics 1560 is included in the Biochemistry major, those students will choose Statistics 1770 as an elective. Agricultural Biotechnology and Biological Sciences majors will choose Mathematics 1560 as the required Mathematics course and will choose Statistics 1770 as an elective.

3. Agricultural Biotechnology and Biochemistry majors will choose English 1900 and another English course as electives. Biological Sciences majors will choose English 1900 as a required cognate in the major and an English elective. These courses will fulfill two List I (Fine Arts and Humanities) courses for the General Liberal Education Requirement (GLER).
4. Biochemistry 2300 (Elements of Human Nutrition) is not acceptable for the Biochemistry requirement.
5. Most successful applicants are admitted after the completion of an undergraduate degree, so degree requirements must also be considered when registering each term.

**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 (UofA) 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.

**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. Applicants are expected to have completed the following secondary school courses: Biology 30, Chemistry 30, English Language Arts 30-1, Pure Mathematics 30 or Mathematics 30, and Physics 30. Some Advanced Placement (AP) courses may meet prerequisite requirements for admission. CGEP courses may not fulfill the prerequisite requirements. Contact the Faculty of Medicine for advice if you have AP or CGEP courses. International Baccalaureate (IB) courses (Higher Level) will be used towards your application to Medicine only if you have achieved a grade of 6 or 7. 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 2010/2011 University of Lethbridge Calendar, Part 7, Section 15, p. 109, and consult with Arts and Science Student Program Services (SU060; tel. 403-329-5106).

**Admission (for 2011) 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.  
  
For applicants who have completed four or more years of university, the cumulative GPA is calculated with the deletion of the lowest year GPA, provided it is not the most recent completed year, or the one and only year where 30.0 credit hours have been completed. The minimum cumulative GPA requirement for applicants with four or more years of post-secondary transferable course work is 3.30 for Alberta residents.
2. Medical College Admission Test (MCAT): The MCAT may be written more than once. Only the best score achieved will be used for admission purposes.  
  
All students must write the MCAT no later than the September prior to the November application deadline. The results must be received by the Faculty of Medicine by November 1.
3. Personal Attributes and References: See the UofA website for details.
4. Interview: Applicants under serious consideration will be offered an interview.

**Application Procedure:**

Application must be made online at [www.registrar.ualberta.ca](http://www.registrar.ualberta.ca). The application must be received by November 1 of the year prior to that for which admission is sought. All applicants must submit official transcripts at the time of application. Transcripts (two copies) for undergraduate applicants, showing completed work (Fall) and current course registration (Spring), must be submitted by February 1. Final transcripts for undergraduate applicants must be submitted by June 15.

**General Information:**

Students should contact the Faculty of Medicine & Dentistry 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; email: [artsci.advising@uleth.ca](mailto:artsci.advising@uleth.ca)). Direct consultation with the University of Alberta is strongly recommended because regulations may be amended without notice.

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