

Multidisciplinary Programs and University Wide Courses

VII. PRE-MEDICINE MAJOR

The pre-medicine program allows students to complete the pre-requisites for biomedical professional schools while at the same time pursuing a liberal arts education. The required and optional courses listed below correspond to the entrance requirements of Canadian medical schools, but also address the requirements of most related professional schools (such as dentistry or physiotherapy). Students must register in a separate, primary degree as well as the pre-medicine degree and complete all of the requirements of both degree programs in order to graduate. The primary degree may be awarded by any of the disciplines of Arts & Science (examples: B.Sc. in Biology, Biochemistry, Chemistry, Mathematics, Physics or Computer Science, B.C.S. combining Commerce and Science, B.A. in any of the disciplines of the Humanities or Social Sciences).

123 Credit / 93 Credit

U0 Courses for Non-Quebec Pre-Med Students: Total Credits 30.

Checklist of required courses for non-Quebec students registered in a B.Sc. program.

BIO191 Introductory Biology
CHE191 General Chemistry
CHE192 General Chemistry II
PHY193 General Physics I for Life Sciences I
PHY194 General Physics II for Life Sciences II
MAT198 Calculus I for Life Sciences
MAT199 Calculus II for Life Sciences
ELA116 Effective Writing (or other ENG)
HUM (CLA, ENG, HIS, REL, PHI or Lib. Arts)
Free Option (One 3 Credit Course from any Division)

Pre-Med Required Courses: Total 27 Credits.

The following courses must be taken in order to meet the requirements of the program.

CHE105 Organic Chemistry
CHE106 Organic Chemistry II
BCH211 Biochemistry I: Proteins
BCH275 Biochemistry III: Metabolism
PHY 101 Statistical Methods
PSY101 Introduction to Psychology
BIO110 Introductory Cellular and Molecular Biology
BIO226 Animal Physiology 1
BIO228 Animal Physiology 2

Pre-Med Required Options: Total 15 Credits.

Students must take the following number of options from the list below in order to meet the requirements of the program.

At least 2 Second Language Courses.

At least 2 Courses in English Literature

At least 1 Course from the Social Sciences.

Free Electives: Total 48 Credits.

The following are courses that are recommended but not required for writing the MCAT's.

BCH192	Biochemistry of Macromolecules
BIO133	Human Anatomy
BIO118	Genetics
BIO212	Evolution
CHE102	Structure and Bonding
CHE103	Introduction to Physical Chemistry
CHE104	Analytical Chemistry
CHE225	Intermediate Organic Chemistry
PBI275	Health Psychology 1
PBI276	Health Psychology 2