

PREPARATION FOR MEDICINE IN SCIENCE

This a general guideline of what you need to do to be eligible to apply, and generally how admission is determined. YOU MUST READ THE COLLEGE OF MEDICINE INFORMATION BULLETIN PUBLISHED EVERY YEAR FOR EXACT INFORMATION. Contact the College of Medicine at admissions@med.umanitoba.ca if you have any questions about this information.

MEDICINE pre-professional program

ADMISSION REQUIREMENTS:

1. You need a degree (or be eligible to receive one). Any Science degree can be taken. The B. Sc Major and Honours degree are four year specialized degrees; the B. Sc. General degree is a three year degree. All courses must be completed and all grades available by a specific date near the end of June (June 30 in 2016). See a Science Advisor to review degree requirements.

2. You need 6 hours of Biochemistry: specifically CHEM/MBIO 2360 and CHEM/MBIO 2370. You must achieve a minimum grade of C in each Biochemistry course.

Prerequisite courses for CHEM/ MBIO 2360 and CHEM/MBIO 2370:

Biological Sciences BIOL1020 and BIOL1030

Chemistry CHEM 1300, CHEM 1310 and CHEM 2210*

*(pre-requisite for CHEM/MBIO 2370)

3. You need Humanities/Social Science courses: at least 18 hours if you complete a Bachelor of Science General degree (3 year degree); or at least 6 hours if you complete an Honours or Major degree in Science. Check the Faculty of Arts definition (<http://umanitoba.ca/faculties/arts/student/requirements.html>) for acceptable courses. **Note that ARTS 1110 does not satisfy this requirement.**

4. Medicine has no requirement for minimum course load.

5. You must apply on time. The deadline is usually a year prior to the year you intend to start your program in Medicine. The Applicant Information Bulletin is available in late July; applications are available mid-August; and the application deadline is early October for the following year's admission (usually October 1).

6. You must write the Medical College Admissions Test (MCAT), and must write it no later than the September previous to the year in which you are seeking admission. The MCAT tests your knowledge of biological and physical sciences, important concepts about people's behavior and motivation, as well as social determinants of health. Recommended courses for MCAT preparation (in addition to BIOL and CHEM above):

Department	Courses
Physics	PHYS 1020 and PHYS 1030 OR PHYS 1050 ¹ and PHYS 1070 ¹
Chemistry	CHEM 2220
English	Any Written English Course ²
Microbiology	MBIO 1010, MBIO 2020
Biological Sciences	BIOL 1410, BIOL 2500, BIOL 2410, and BIOL 2420
Psychology	PSYC 1200
Sociology	SOC 1200

¹ PHYS 1050 has MATH 1230 co-requisite and PHYS 1070 has MATH 1232 as a co-requisite.

² Be sure that your W course is a Humanities or Social Science course.

(Continued Over)

ADMISSION IS DETERMINED BY:

- Adjusted Grade Point Average (AGPA):** All undergraduate University courses, including failures and repeated courses. The AGPA will always include your Biochemistry marks. The AGPA for Medicine is determined by removing a certain number of your worst credit hours from all undergraduate courses completed. → See the following table

Total Credit Hours	Credit Hours Dropped
90 – 95	15 worst hours
96 – 101	18 worst hours
102 – 107	21 worst hours
108 – 113	24 worst hours
114 – 119	27 worst hours
120 or more	30 worst hours

Repeating a course may not be the best strategy for improving your AGPA. Check with a Science Advisor before repeating course for this reason.

The AGPA comprises 15% of your admission score. Note that while the minimum AGPA for consideration is 3.30, most successful applicants have an AGPA **over** 4.00.

- MCAT:** In April 2015, the AAMC launched a new version of the MCAT exam. Scores are reported in four sections: Biological and Biochemical Foundations of Living Systems, Chemical and Physical Foundations of Biological Systems, Psychological, Social, and Biological Foundations of Behavior, Critical Analysis and Reasoning Skills

(from the AAMC website)

For MCAT2015 tests written between April 17, 2015 and September 12, 2015, there will be no weighting applied to any of the four sections. Given the recent introduction of MCAT2015 minimum eligible scores have not been established. The total score will be used in the composite score calculation. (from the 2016-2017 Applicant Information Bulletin.)

If you wrote the MCAT prior to 2015, there is a formula used to weigh the 3 sections (Biological Sciences, Physical Sciences, Verbal Reasoning) to obtain an Operative Score. Check the Medicine Applicant Information Bulletin for the formula. Note that a minimum score of 7 (out of 15) is required on each section. Most successful applicants have an Operative MCAT score over 10.0

You can write the MCAT more than once, and your best score will be used. The MCAT comprises 40% of your admission score.

- Multiple Mini Interview (MMI):** Applicants are invited to the MMI based on their AGPA and MCAT scores plus other factors. Each group of students will go through a set number of stations (usually 11), with 2 minutes to read the question and 8 minutes to discuss it with the interviewer (the timing may be changed from year to year). This format of interview is designed to explore such qualities as communication skills, integrity, honesty, reliability, conscientiousness, responsibility, self-assessment skills, approach to learning, motivation, leadership and ethics.

The MMI comprises 45% of your admission score.

There are other criteria that might affect your invitation to the interview and your admissions score, if they apply to you: rural, academic and socioeconomic/cultural diversity. Check the Applicant Information Bulletin to see if they apply to you.

The admissions formula is:

$15\% \text{ AGPA} + 40\% \text{ MCAT} + 45\% \text{ MMI} \times (\text{rural co-efficient} > 0) \times (\text{academic co-efficient if} > 0) \times (\text{socioeconomic/cultural diversity if} > 0)$

2015 ADMISSION STATISTICS

For Maniotba applicants: 439 applications

Admitted: Average GPA: 4.22

Average MCAT: 11.01

For more statistics, visit the College of Medicine website

APPLICATION DEADLINE: OCTOBER 1 OF THE YEAR PRIOR TO ADMISSION

http://umanitoba.ca/faculties/health_sciences/medicine/education/undergraduate/media/medicine_bulletin_FINAL_2.pdf

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