

PRE-PROFESSIONAL STUDIES AT CMU

Preparing for a Career in DENTAL MEDICINE

This page explains what you must do if you wish to apply for admission to the degree Doctor of Dental Medicine (D.D.M.) at the University of Manitoba. If you intend to continue studies at some other university, similar possibilities exist. It is important, however, that you inquire about admission and program requirements at the university you are considering and that you work with the Coordinator of Student Advising at CMU to construct a program of studies at CMU that will achieve your objectives.

It is possible for students to gain eligibility to apply to the College of Dentistry within two years of study at CMU, but the rotation of the upper level Chemistry courses would necessitate that students take at least one of those courses on a letter of permission at another university. We recommend that students who hope to earn a D.D.M. plan on completing a three- or four-year degree at CMU in order to give themselves enough time to prepare well. Gaining admission to the D.D.M. at the University of Manitoba is highly competitive. According to the Dentistry Application Information Bulletin (UofM), "In 2016, of the 180 applications received for the first year Dentistry class of 29 students, 72 applicants were short listed and granted an interview."

To become eligible for admission to the Doctor of Dental Medicine program at the University of Manitoba, you must successfully complete at least 60 credit hours of university level studies, with at least two Fall/Winter sessions within which you complete a minimum of 24 new credit hours. The following 60 credit hours are required for entry to Dentistry:

- Introductory Chemistry I and II – CHEM-1010 and CHEM-1020 (6 credit hours)
- Organic Chemistry I and II – CHEM-2010 and CHEM-2020 (6 credit hours)
- Biochemistry I and II – CHEM-2110 and CHEM-3110 (6 credit hours)
- Introductory Physics I and II – PHYS-1010 and PHYS-1020 (6 credit hours)
- Introductory Biology I and II -- BIOL-1310 & BIOL-1320 (6 credit hours)
- English Literature I and II – ENGL-1010 and ENGL-1020 (6 credit hours)
- 24 additional credit hours of electives, which at CMU must include MATH-1020 Introduction to Calculus and MATH-1030 Calculus II since Physics is calculus-based.

Example of pre-Doctor of Dental Medicine taken at CMU. Other possibilities exist, so consult with the Coordinator of student Advising.

<u>First Semester – Year One</u>	<u>Second Semester – Year One</u>
One of the following: BTS-1110 Introduction to Biblical Literature & Themes OR BTS-1120 Encountering the Bible	One of the following: BTS-2000 Intro to Christianity OR BTS-2420 Exploring Christian Spirituality, OR BTS-2550 History of Christianity OR BTS-2720 Theologies of the Global South
ENGL-1010 English Literature I – Prose Fiction	ENGL-1010 English Literature II – Poetry and Drama
BIOL-1310 Cells and Energy	BIOL-1320 Diversity of Life
CHEM-1010 Structure and Modeling in Chemistry	CHEM-1020 Introduction to Physical Chemistry
MATH-1020 Intro to Calculus	MATH-1030 Calculus II

<u>First Semester – Year Two</u>	<u>Second Semester – Year Two</u>
BTS Elective	BTS Elective
CHEM-2010 Organic Chemistry I – Structure and Function	CHEM-2020 Organic Chemistry II – Reactivity and Synthesis
CHEM-2110 Biochemistry I	CHEM-3110 Biochemistry II
PHYS 1010 Physics 1 – Mechanics	PHYS 1020 Physics 2 – Waves and Modern Physics
PSYC-1010 Introduction to Psychology I	PSYC-1020 Intro to Psychology II

High school prerequisites: Chemistry 40S, Pre-Calculus or Applied Mathematics 40S, Physics 40S and Biology 40S.

VK | May 2017