

# ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS, M.DENT.

Preventive Dental Science

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**Academic Staff:** Please refer to the Preventive Dental Science (<https://umanitoba.ca/dentistry/faculty-staff/#preventive-dental-science>) website for Academic staff information.

## Preventive Dental Science Information

The department of Preventive Dental Science offers programs leading to the Master of Dentistry (Orthodontics and Dentofacial Orthopedics) and Master of Dentistry (Pediatric Dentistry) degrees.

## Admission Information

### Admission to the Faculty of Graduate and Postdoctoral Studies

Application and Admission Procedures are found in the Academic Guide (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/>).

Admission requirements for Master's students are found in the Master's Degrees General Regulations ([https://catalog.umanitoba.ca/graduate-studies/academic-guide/masters-degrees-general-regulations/#Admission\\_FGSMasters](https://catalog.umanitoba.ca/graduate-studies/academic-guide/masters-degrees-general-regulations/#Admission_FGSMasters)) section of the Guide.

### Orthodontics and Dentofacial Orthopedics M.Dent. Admission Requirements

Applicants must be a graduate of a full-time minimum four-year University-based dentistry program and have at least one year of clinical experience.

## Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Orthodontics and Dentofacial Orthopedics M.Dent. program of study (<https://umanitoba.ca/explore/programs-of-study/orthodontics-dentofacial-orthopedics-mdent/>) page.

## Degree Requirements

Students must successfully complete:

- All courses listed under the "Progression Chart"
- A thesis based on original research and acceptable to the Faculty of Graduate Studies and successful oral defence is also required, as well as submission of a peer-reviewed paper suitable for publication to the satisfaction of the Program Director.

Expected Time to Graduate: 3 years

## Progression Chart

Course	Title	Hours
<b>Year 1</b>		
GRAD 6000	Summer Research	0
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
ANAT 7060	Advanced Human Macroscopic (Gross) Anatomy	6
CHSC 6810	Biostatistics for Clinicians	3
		<b>Hours</b>
		<b>9</b>
<b>Years 1-3</b>		
GRAD 7000	Master's Thesis	0
GRAD 7020	Master's Re-registration	0
PDSO 7000	Neural Basis of Oropharyngeal Function (Bi-yearly course – may be taken in Year 2)	3
PDSO 7020	The Mechanics of Orthodontic Therapy (Spanned course - registered in Year 1, Year 2, and Year 3)	6
PDSO 7040	Clinical Craniofacial Growth and Development (Spanned course registered in Year 1, Year 2, and Year 3)	3
PDSO 7060	Cephalometric Analysis (Spanned course - registered in Year 1, Year 2, and Year 3)	3
PDSO 7070	Biology of Orthodontics and Facial Orthopedics (Spanned course - registered in Year 1, Year 2, and Year 3)	3
DDSS 7030	Advanced Oral Radiology (Bi-yearly course – may be taken in Year 2)	1
DDSS 7130	Occlusion (Bi-yearly course – may be taken in Year 2)	3
DDSS 7230	Advanced Oral Pathology (Bi-yearly course – may be taken in Year 2)	6
RSTD 7150	Orthodontic Materials (Bi-yearly course – may be taken in Year 2)	3
		<b>Hours</b>
		<b>31</b>
<b>Year 3</b>		
Thesis Defense <sup>1</sup>		
		<b>Hours</b>
		<b>0</b>
		<b>Total Hours</b>
		<b>40</b>

<sup>1</sup> The oral defence is open to all and the student has 20 to 25 minutes for a presentation, Typically, 5 minutes is permitted per examiner in a first round of questions, then a second round with an opportunity for follow-up questions from each examiner. Questions may be permitted from the audience should time permit. The entire oral examination should not exceed 1 hour, following which the committee will deliberate on whether the candidate passes, passes subject to revision of the thesis or fails.

## Registration Information

Students should familiarize themselves with the Faculty of Graduate and Postdoctoral Studies 'GRAD' courses applicable to their program (<https://catalog.umanitoba.ca/graduate-studies/registration-information/>). If you

have questions about which GRAD course(s) to register in, please consult your home department/unit.

## Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

### Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate and Postdoctoral Studies, and students should consult unit supplementary regulations (<https://umanitoba.ca/graduate-studies/supplementary-regulations/>) for these specific regulations.

### Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR>) represent the core academic requirements a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500>) and Mandatory Research Integrity Online Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300>).

Students must also meet additional BFAR requirements (<https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program>) that may be specified for their program.

### General Regulations

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+,
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).