

DENTAL SCIENCES (THESIS) (M.SC.) (45 CREDITS)

Offered by: Dental Med & Oral Health Sci (Faculty of Dental Medicine and Oral Health Sciences)

Degree: Master of Science

Program credit weight: 45

Program Description

The Master of Science (M.Sc.) in Dental Sciences program focuses on diverse research areas, including biomaterials, mineralized tissues, nanobiotechnology, tissue engineering, pain, epidemiology, public health, Indigenous health, oral health research, dental education, and knowledge translation.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Thesis Courses (24-33 credits)

Expand allContract all

Course	Title	Credits
DENT 650	Thesis Research 1.	3
DENT 651	Thesis Research 2.	6
DENT 652	Thesis Research 3.	9
DENT 653	Thesis Research 4.	15

Required Courses (6 credits)

Expand allContract all

Course	Title	Credits
DENT 601	Quantitative Data Analysis for Oral Health Research.	3
DENT 663	Principles of Health Research.	1
DENT 671D1	Advanced Research Seminar.	1
DENT 671D2	Advanced Research Seminar.	1

Complementary Courses (6-15 credits)

6-15 credits chosen from the following courses:

Expand allContract all

Course	Title	Credits
DENT 504	Biomaterials and Bioperformance.	3
DENT 505	Epidemiology and Data Analysis in Primary Care 1.	3
DENT 509	Epidemiology and Data Analysis in Primary Care 2.	3
DENT 610	Introduction to Craniofacial Research.	3
DENT 654	Mechanisms and Management of Pain.	3

DENT 664	Health Research Communications.	1
DENT 665	Leadership and Management Skills in Research.	1
DENT 681	Readings in Dentistry and Health Research 1.	1
DENT 682	Readings in Dentistry and Health Research 2.	2
DENT 683	Readings in Dentistry and Health Research 3.	3
DENT 685	Theory of Dental Public Health.	3
DENT 686	Illness Experience and Social Determinants of Health.	2
DENT 688	Bone Mechanobiology .	3
EPIB 621	Data Analysis in Health Sciences.	4
EPIB 635	Clinical Trials.	3
EXMD 610	Molecular Methods in Medical Research.	3

Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.