

Graduate School

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CORONAVIRUS (COVID-19): please review UBC's [general information and FAQs](https://www.ubc.ca/) and G+PS's [graduate student-specific information](https://www.grad.ubc.ca/covid-19/).

MASTER OF SCIENCE IN CRANIOFACIAL SCIENCE (MSC)

[Go to programs search](#)

OVERVIEW

The Faculty of Dentistry offers advanced study leading to the MSc in Craniofacial Science through one of the following areas of study:

- Research in Population Health will explore the complex interactions (social, cultural, environmental) that affect the oral health of individuals, communities and populations.
- Oral health related clinical research includes both interventional and observational studies focusing on the following: disease prevention, diagnosis, risk, treatment, prognosis and health care.
- Basic science research in the areas of biomaterials, cell biology, developmental biology, microbiology and molecular biology is available.

FOR SPECIFIC PROGRAM REQUIREMENTS, PLEASE REFER TO THE DEPARTMENTAL PROGRAM WEBSITE



QUICK FACTS



Faculty
Faculty of Dentistry



Academic Unit
Faculty of Dentistry



Mode Of Delivery
In person at UBC Vancouver



Specialization
Craniofacial Science



Program Components
Coursework + Thesis required



Tuition (First Year)
Domestic: \$5,095.68 | International: \$8,952.27

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PROGRAM ENQUIRIES



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ADMISSION INFORMATION & REQUIREMENTS



1) CHECK ELIGIBILITY



MINIMUM ACADEMIC REQUIREMENTS

The Faculty of Graduate and Postdoctoral Studies establishes the minimum admission requirements common to all applicants, usually a minimum overall average in the B+ range (76% at UBC). The graduate program that you are applying to may have additional requirements. Please review the specific requirements for applicants with credentials from institutions in:

- [Canada or the United States](#)
- [International countries other than the United States](#)

Each program may set higher academic minimum requirements. Please review the [program website](#) carefully to understand the program requirements. Meeting the minimum requirements does not guarantee admission as it is a competitive process.

ENGLISH LANGUAGE TEST

Applicants from a university outside Canada in which English is not the primary language of instruction must provide results of an [English language proficiency examination](#) as part of their application. Tests must have been taken **within the last 24 months** at the time of submission of your application.

Minimum requirements for the two most common English language proficiency tests to apply to this program are listed below:

TOEFL: TEST OF ENGLISH AS A FOREIGN LANGUAGE - INTERNET-BASED

Overall score requirement: 93

Reading

22

Writing

21

Speaking

21

Listening

22

IELTS: INTERNATIONAL ENGLISH LANGUAGE TESTING SYSTEM

Overall score requirement: 7.0

Reading

6.5

Writing

6.5

Speaking

6.5

Listening

6.5

OTHER TEST SCORES

Some programs require additional [test scores](#), such as the Graduate Record Examination (GRE) or the Graduate Management Test (GMAT). The requirements for this program are:

The GRE is not required.

PRIOR DEGREE, COURSE AND OTHER REQUIREMENTS

PRIOR DEGREE REQUIREMENTS

Students admitted to the M.Sc. degree program normally possess a bachelor's degree in one of the major recognized fields of dentistry or a related area.

2) MEET DEADLINES



SEPTEMBER 2021 INTAKE

APPLICATION OPEN DATE

15 September 2020

CANADIAN APPLICANTS

APPLICATION DEADLINE: 28 February 2021

TRANSCRIPT DEADLINE: 28 February 2021

REFEREE DEADLINE: 09 March 2021

INTERNATIONAL APPLICANTS

APPLICATION DEADLINE: 28 February 2021

TRANSCRIPT DEADLINE: 28 February 2021

REFEREE DEADLINE: 09 March 2021

DEADLINE EXPLANATIONS

Application Deadline

Deadline to submit online application. No changes can be made to the application after submission.

Transcript Deadline

Deadline to upload scans of official transcripts through the applicant portal in support of a submitted application. Information for accessing the applicant portal will be provided after submitting an online application for admission.

Referee Deadline

Deadline for the referees identified in the application for admission to submit references. See [Letters of Reference](#) for more information.

3) PREPARE APPLICATION

TRANSCRIPTS

All applicants have to submit transcripts from all past post-secondary study. [Document submission requirements](#) depend on whether your institution of study is within Canada or outside of Canada.

LETTERS OF REFERENCE

A minimum of three [references](#) are required for application to graduate programs at UBC. References should be requested from individuals who are prepared to provide a report on your academic ability and qualifications.

STATEMENT OF INTEREST

Many programs require a [statement of interest](#), sometimes called a "statement of intent", "description of research interests" or something similar.

SUPERVISION

Students in research-based programs usually require a faculty member to function as their supervisor. Please follow the instructions provided by each program whether applicants should contact faculty members.

INSTRUCTIONS REGARDING SUPERVISOR CONTACT FOR MASTER OF SCIENCE IN CRANIOFACIAL SCIENCE (MSC)

Applicants should browse faculty profiles and indicate in their application who they are interested in working with. No commitment from a supervisor prior to applying is necessary, but contacting faculty members is encouraged.

CITIZENSHIP VERIFICATION

Permanent Residents of Canada must provide a clear photocopy of both sides of the Permanent Resident card.

4) APPLY ONLINE



All applicants must [complete an online application form](#) and pay the application fee to be considered for admission to UBC.



TUITION & FINANCIAL SUPPORT



TUITION

FEES	CANADIAN CITIZEN / PERMANENT RESIDENT / REFUGEE / DIPLOMAT	INTERNATIONAL
Application Fee	\$108.00	\$168.25
TUITION *		
Installments per year	3	3
Tuition per installment	\$1,698.56	\$2,984.09
Tuition per year (plus annual increase, usually 2%-5%)	\$5,095.68	\$8,952.27
Int. Tuition Award (ITA) per year (if eligible)		\$3,200.00 (-)
OTHER FEES AND COSTS		
Student Fees (yearly)	\$969.17 (approx.)	
Costs of living (yearly)	starting at \$17,242.00 (check cost calculator)	

* Regular, full-time tuition. For on-leave, extension, continuing or part time (if applicable) fees see [UBC Calendar](#) .
All fees for the year are subject to adjustment and UBC reserves the right to change any fees without notice at any time, including tuition and student fees. Tuition fees are reviewed annually by the UBC Board of Governors. In recent years, tuition increases have been 2% for continuing domestic students and between 2% and 5% for continuing international students. New students may see higher increases in tuition. Admitted students who defer their admission are subject to the potentially higher tuition fees for incoming students effective at the later program start date. In case of a discrepancy between this webpage and the UBC Calendar, the UBC Calendar entry will be held to be correct.

FINANCIAL SUPPORT

Applicants to UBC have access to a variety of funding options, including merit-based (i.e. based on your academic performance) and need-based (i.e. based on your financial situation) opportunities.

SCHOLARSHIPS & AWARDS (MERIT-BASED FUNDING)

All applicants are encouraged to review the [awards listing](#) to identify potential opportunities to fund their graduate education. The database lists merit-based scholarships and awards and allows for filtering by various criteria, such as domestic vs. international or degree level.

TEACHING ASSISTANTSHIPS (GTA)

Graduate programs may have Teaching Assistantships available for registered full-time graduate students. Full teaching assistantships involve 12 hours work per week in preparation, lecturing, or laboratory instruction although many graduate programs offer partial TA appointments at less than 12 hours per week. Teaching assistantship rates are set by collective bargaining between the University and the [Teaching Assistants' Union](#) .

RESEARCH ASSISTANTSHIPS (GRA)

Many professors are able to provide Research Assistantships (GRA) from their research grants to support full-time graduate students studying under their direction. The duties usually constitute part of the student's graduate degree requirements. A Graduate Research Assistantship is a form of financial support for a period of graduate study and is, therefore, not covered by a collective agreement. Unlike other forms of fellowship support for graduate students, the amount of a GRA is neither fixed nor subject to a university-wide formula. The stipend amounts vary widely, and are dependent on the field of study and the type of research grant from which the assistantship is being funded. Some research projects also require targeted research assistance and thus hire graduate students on an hourly basis.

FINANCIAL AID (NEED-BASED FUNDING)

Canadian and US applicants may qualify for governmental loans to finance their studies. Please review [eligibility and types of loans](#) .

All students may be able to access private sector or bank loans.

FOREIGN GOVERNMENT SCHOLARSHIPS

Many foreign governments provide support to their citizens in pursuing education abroad. International applicants should check the various governmental resources in their home country, such as the Department of Education, for available scholarships.

WORKING WHILE STUDYING

The possibility to pursue work to supplement income may depend on the demands the program has on students. It should be carefully weighed if work leads to prolonged program durations or whether work placements can be meaningfully embedded into a program.

International students enrolled as full-time students with a valid study permit can work on campus for unlimited hours and work off-campus for no more than 20 hours a week.

A good starting point to explore student jobs is the UBC Work Learn program or a Co-Op placement.

TAX CREDITS AND RRSP WITHDRAWALS

Students with taxable income in Canada may be able to claim federal or provincial tax credits.

Canadian residents with RRSP accounts may be able to use the Lifelong Learning Plan (LLP) which allows students to withdraw amounts from their registered retirement savings plan (RRSPs) to finance full-time training or education for themselves or their partner.

Please review Filing taxes in Canada on the student services website for more information.

COST CALCULATOR

Applicants have access to the cost calculator to develop a financial plan that takes into account various income sources and expenses.



ENROLMENT, DURATION & OTHER STATS



These statistics show data for the Master of Science in Craniofacial Science (MSc). Data are separated for each degree program combination. You may view data for other degree options in the respective program profile.

ENROLMENT DATA

	2019	2018	2017	2016	2015
Applications	19	20	18	14	12
Offers	5	6	7		6
New registrations	3	4	6		5
Total enrolment	8	9	10	9	16

COMPLETION RATES & TIMES

This program has a graduation rate of **83.33%** based on 12 students admitted between 2010 - 2013. Based on 15 graduations between 2016 - 2019 the minimum time to completion is 1.66 years and the maximum time is 4.00 years with an average of **2.56 years** of study. All calculations exclude leave times.

DISCLAIMER

Admissions data refer to all UBC Vancouver applications, offers, new registrants for each year, May to April [data updated: 10 March 2020]. Enrolment data are based on March 1 snapshots. Program completion data are only provided for datasets comprised of more than 4 individuals. Rates and times of completion depend on a number of variables (e.g. curriculum requirements, student funding), some of which may have changed in recent years for some programs [data updated: 29 October 2020].



RESEARCH SUPERVISORS



This list shows faculty members with full supervisory privileges who are affiliated with this program. It is not a comprehensive list of all potential supervisors as faculty from other programs or faculty members without full supervisory privileges can request approvals to supervise graduate students in this program.

- Aleksejuniene, Jolanta (Theory-based behavioural management, Evidence-based Practice, Caries risk assessment, ePortfolio learning, Oral Epidemiology)
- Almeida, Fernanda (Sleep and Sleep Disorders; oral appliances for snoring and sleep apnea; sleep apnea; diagnosis; edentulism; craniofacial characteristics in sleep apnea)
- Bromme, Dieter (Lysosomal proteases, centre for blood research)
- Brondani, Mario (Community Health / Public Health; Dental Health; Social Determinants of Health; Health Policies; Quality of Life and Aging; Adult Education and Continuing Education; Epidemiology; Dental Public Health; Health Policy; Dental Education; Dental Geriatrics; Access to care; Qualitative research; Epidemiological data)

- [Bryant, S](#) (Prosthodontics, Geriatrics, Patient-based assessments, Oral implants, Jawbone densitometry)
- [Carvalho, Rick](#) (Other health sciences, n.e.c.; Biomaterials; materials interfaces; bonding to hard tissues; materials development)
- [Coil, Jeffrey Martin](#) (Pulp Biology, Endodontic Materials)
- [Donnelly, Leeann](#) (Oral Malodor, Special Care Populations, Community Oral Health Education and Program Development)
- [Ford, Nancy](#) (Medical physics; Medical biotechnology diagnostics (including biosensors); Dental materials and equipment; micro-computed tomography; physiological gating; contrast agents; models of respiratory disease; image-based measurements; dental imaging; x-ray imaging)
- [Haapasalo, Markus](#) (Novel strategies to eradicate oral biofilms)
- [Hakkinen, Lari](#) (Cell Therapy; Cell Signaling; Connective Tissue; Wound Healing; Tissue regeneration; Fibroblasts, MSC; Extracellular matrix; Cell to cell communication; Oral mucosa and skin)
- [Kim, Hugh](#) (platelet biochemistry)
- [Larjava, Hannu](#) (Wound healing)
- [Laronde, Denise](#) (Cancer; oral cancer screening; malignant transformation; early detection; oral premalignant lesions)
- [MacDonald, David](#) (Systematic review, Diagnostic radiology, particularly of the Hong Kong Chinese)
- [Macdougall, Mary](#) (molecular mechanisms associated with epithelial mesenchymal interactions, identification of critical signaling pathways, matrix formation and biomineralization)
- [Mathu-Muju, Kavita](#) (Public Health Dentistry, Clinical Pediatric Dentistry)
- [Matthew, Ian](#) (Dental Education, biomaterials; implantology)
- [Mostafa, Nesrine](#) (Digital dentistry; tissue engineering options for bone regeneration)
- [Nguyen, Caroline](#) (Cancer patient treatment and rehabilitation outcomes; oral side effects of treatments and medications in cancer patients and the elderly)
- [Overall, Christopher Mark](#) (Blood research, antiviral immunity)
- [Pigozzo Manso, Adriana](#) (Dental adhesive interfaces; Resin dentin bond stability; Color shade in resin composite)
- [Pliska, Benjamin](#) (Sleep and Sleep Disorders; Oro-Dental Disorders; Facial growth and development; sleep medicine)
- [Poh, Catherine](#) (Optical Techniques and oral precancer management)
- [Putnins, Edward](#) (Oro-Dental Disorders; Chronic mucosal inflammation; Monoamine oxidase Inhibitor development as anti-inflammatories)



SAMPLE THESIS SUBMISSIONS



- [The antimicrobial effects of the agitational irrigation on single- and multispecies biofilms in dentin canals](#)
- [Effect of canal curvature location on the cyclic fatigue resistance of the endosequence controlled memory file](#)
- [The role of granzyme B in the degradation of periodontal connective tissues](#)
- [Dental and craniofacial findings in prematurely born children with non-invasive ventilation : a pilot study](#)
- [Three-dimensional facial morphology and the use of non-invasive ventilation in infants](#)
- [The use of cone beam computed tomography for implant treatment planning at UBC](#)
- [The influence of the spheno occipital synchondrosis fusion on craniofacial form](#)
- [Antibacterial effect of extract from commiphora gileadensis ; in vitro study](#)
- [Measurement accuracy in cone beam computed tomography in the presence of metal artifact](#)
- [A study of short-term skeletal, dental, and soft tissue effects of Class II malocclusions treated with Invisalign® with Mandibular Advancement Feature or Twin Block appliance compared with historical controls](#)
- [3D facial morphology and risk of sleep disordered breathing in children](#)
- [A retrospective review of Biodentine pulpotomy outcomes in primary molars](#)
- [A retrospective study of the population served by the Children's Dental Program at the University of British Columbia Faculty of Dentistry](#)
- [Outcome assessment of facial orthopedics with taping for taping for cleft lip deformities using 3D stereophotogrammetry](#)
- [Ontogeny of the human fetal tongue, mandible, and hyoid cartilage](#)



RELATED PROGRAMS



SAME SPECIALIZATION

- [Doctor of Philosophy in Craniofacial Science \(PhD\)](#)

SAME ACADEMIC UNIT

- [Doctor of Philosophy in Craniofacial Science and Diploma in Endodontics \(PhD/Dip. Endodontics\)](#)
- [Doctor of Philosophy in Craniofacial Science and Diploma in Orthodontics \(PhD/Dip. Orthodontics\)](#)
- [Doctor of Philosophy in Craniofacial Science and Diploma in Pediatric Dentistry \(PhD/Dip. Pediatric Dentistry\)](#)

- [Doctor of Philosophy in Craniofacial Science and Diploma in Periodontics \(PhD/Dip. Periodontics\)](#)
- [Doctor of Philosophy in Craniofacial Science and Diploma in Prosthodontics \(PhD/Dip. Prosthodontics\)](#)
- [Master of Science in Craniofacial Science and Diploma in Endodontics \(MSc/Dip. Endodontics\)](#)
- [Master of Science in Craniofacial Science and Diploma in Orthodontics \(MSc/Dip. Orthodontics\)](#)
- [Master of Science in Craniofacial Science and Diploma in Pediatric Dentistry \(MSc/Dip. Pediatric Dentistry\)](#)
- [Master of Science in Craniofacial Science and Diploma in Periodontics \(MSc/Dip. Periodontics\)](#)
- [Master of Science in Craniofacial Science and Diploma in Prosthodontics \(MSc/Dip. Prosthodontics\)](#)



FURTHER INFORMATION



SPECIALIZATION

[Craniofacial Science](#)

Craniofacial Science covers the following areas of study:

- Research in Population Health explores the complex interactions (social, cultural, environmental) that affect the oral health of individuals, communities and populations.
- Oral health related clinical research includes both interventional and observational studies focusing on the following: disease prevention, diagnosis, risk, treatment, prognosis and health care.
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UBC CALENDAR

<http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12%2C204%2C828%2C1145>

PROGRAM WEBSITE

<https://www.dentistry.ubc.ca/msc/about-the-program/>

FACULTY OVERVIEW

[Faculty of Dentistry](#)

ACADEMIC UNIT

[Faculty of Dentistry](#)

PROGRAM IDENTIFIER

VGMMSC-FT

PROGRAM WEBSITE >

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