



**Faculty of Dentistry (Professional)**  
**Programs, Courses and University Regulations**  
**2020-2021**



This PDF excerpt of *Programs, Courses and University Regulations* is an archived snapshot of the web content on the date that appears in the footer of the PDF.

Archival copies are available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

This publication provides guidance to prospects, applicants, students, faculty and staff.

**1 .** McGill University reserves the right to mak

## ***Publication Information***

Published by

### **Enrolment Services**

McGill University  
3415 McTavish Street  
Montreal, Quebec, H3A 0C8  
Canada

All contents copyright © 2020 by McGill University. All rights reserved, including the right to reproduce this publication, or portions thereof, in any form.

McGill University reserves the right to make changes to the information contained in this publication - including correcting errors, altering fees, schedules of admission and credit requirements, and revising or cancelling particular courses or programs - without prior notification.

Not all courses are offered every year and changes can be made after publication. Always check the Minerva Class Schedule link at [https://horizon.mcgill.ca/pban1/bwckschd.p\\_disp\\_dyn\\_sched](https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched) for the most up-to-date information on whether a course is offered.

- 
- 1 Health Sciences: General Information, page 9
    - 1.1 Admission, page 9
    - 1.2 Student Services and Regulations, page 9
      - 1.2.1 Student Advising, page 9
      - 1.2.2 Language Policy, page 9
        - 1.2.2.1 Proof of Proficiency in English, page 10
      - 1.2.3 Vaccination/Immunization Requirements for Health Sciences Programs, page 10
    - 1.3 Fees: Health Sciences, page 11
    - 1.4 Immigration Information, page 14
    - 1.5 Facilities, page 14
      - 1.5.1 Buildings, page 14
      - 1.5.2 Hospitals, page 16
        - 1.5.2.1 McGill University Teaching Hospitals, page 16
        - 1.5.2.2 Institutions Affiliated with McGill University, page 18
      - 1.5.3 Clinical Facilities for Dentistry, page 19
      - 1.5.4 Facilities for Human Nutrition, page 19
      - 1.5.5 Research Centres, page 19
        - 1.5.5.1 Alan Edwards Centre for Research on Pain, page 20
        - 1.5.5.2 Artificial Cells and Organs Research Centre, page 20
        - 1.5.5.3 Biomedical Ethics Unit, page 20
        - 1.5.5.4 Centre for Bone and Periodontal Research, page 21
        - 1.5.5.5 Centre for Research on Brain, Language and Music, page 21
        - 1.5.5.6 Centre for Research in Reproduction and Development, page 21
        - 1.5.5.7 Centre for Translational Research in Cancer, page 21
        - 1.5.5.8 Institute of Health Sciences Education, page 22
        - 1.5.5.9 Ludmer Centre for Neuroinformatics & Mental Health, page 22
        - 1.5.5.10 McGill AIDS Centre, page 23
        - 1.5.5.11 McGill Centre for Research in Neuroscience, page 23
        - 1.5.5.12 McGill International TB Centre, page 23
        - 1.5.5.13 McGill University Research Centre for Studies in Aging, page 24
        - 1.5.5.14 Rosalind and Morris Goodman Cancer Research Centre, page 24
      - 1.5.6 Libraries, page 24
  - 2 Degree Completion Program, page 25
  - 3 Licensure, page 26
    - 3.1 National Dental Examining Board of Canada, page 26
    - 3.2 Province of Quebec, page 26
    - 3.3 Dental Regulatory Authorities in Other Provinces, page 27
    - 3.4 National Board of Dental Examiners (U.S.), page 27
  - 4 Undergraduate/Professional Dentistry Requirements, page 27
    - 4.1 Basic Cardiac Life Support, page 27

- 
- 4.2 Compulsory Immunization Program, page 28
  - 4.3 Instruments, page 28
  - 5 Registration, page 28
    - 5.1 New Students, page 28
    - 5.2 Returning Students, page 28
  - 6 Scholarships, Awards, and Financial Aid, page 28
    - 6.1 Entrance Scholarships, page 29
    - 6.2 In-course Scholarships, page 29
    - 6.3 Medals and Prizes, page 30
      - 6.3.1 First Year, page 30
      - 6.3.2 Second Year, page 30
      - 6.3.3 Third Year, page 31
      - 6.3.4 Fourth Year, page 32
    - 6.4 Financial Aid, page 33
    - 6.5 Dental Officer Training Plan, page 33
  - 7 Evaluation and Promotion, page 33
  - 8 Dentistry Faculty, page 33
  - 9 Browse Academic Programs, page 36
    - 9.1 Craniofacial Orthodontics, page 36
      - 9.1.1 Location, page 36
        - 9.1.1.1 About Craniofacial Orthodontics, page 36
      - 9.1.2 Craniofacial Orthodontics Admission Requirements and Application Procedures, page 36
        - 9.1.2.1 Admissions Requirements, page 36
        - 9.1.2.2 Application Procedures, page 36
        - 9.1.2.3 Application Dates and Deadlines, page 37
      - 9.1.3 Certificate (Cert.) Craniofacial Orthodontics (70 credits) , page 37
    - 9.2 Dentistry, page 38
      - 9.2.1 Location, page 38
      - 9.2.2 About Dentistry, page 38
      - 9.2.3 Dentistry Admission Requirements and Application Procedures, page 39
        - 9.2.3.1 Admissions – Undergraduate Program, page 39
        - 9.2.3.2 Application Deadlines – Undergraduate Program, page 39
        - 9.2.3.3 Five-Year Undergraduate Dental Program (Dental Preparatory Program (DENT-P) + D.M.D.), page 41
      - 9.2.4 Doctor of Dental Medicine (D.M.D.) Dentistry (Four-Year Program) (219 credits) , page 42
      - 9.2.5 Bachelor of Science (B.Sc.) - Dental Preparatory (Dent-P) (30 credits) , page 45
    - 9.3 General Practice Residency Program, page 45
      - 9.3.1 Location, page 45
        - 9.3.1.1 About General Practice Residency Program, page 45
      - 9.3.2 General Practice Residency Program Admission Requirements and Application Procedures, page 45
        - 9.3.2.1 Admissions Requirements, page 45

- 
- 9.3.2.2 Application Procedures, page 46
  - 9.3.2.3 Application Dates and Deadlines, page 47
  - 9.3.3 Certificate (Cert.) General Practice Residency Program (Dentistry) (52 credits) , page 47
  - 9.4 Oral and Maxillofacial Surgery, page 47
    - 9.4.1 Location, page 47
    - 9.4.2 About Oral and Maxillofacial Surgery, page 47
    - 9.4.3 Oral and Maxillofacial Surgery Admission Requirements and Application Procedures, page 48
      - 9.4.3.1 Admissions Requirements, page 48
      - 9.4.3.2 Application Procedures, page 48
      - 9.4.3.3 Application Deadlines, page 49
    - 9.4.4 Certificate (Cert.) Oral Surgery Internship , page 49
    - 9.4.5 Certificate (Cert.) Oral and Maxillofacial Surgery (4-year program) (144 credits) , page 49
    - 9.4.6 Certificate (Cert.) Oral & Maxillofacial Surgery (Integrated O.M.F.S. & M.D.,C.M.) , page 50
  - 9.5 Graduate and Postgraduate Programs, page 50
  - 9.6 Continuing Dental Education, page 50





---

## 1 Health Sciences: General Information

This section contains important details specific to the McGill health sciences, as an addendum to information found in the [University Regulations and Resources \(Undergraduate\)](#). You will find information related to such topics as: language policies, vaccination/immunization requirements, immigration information, and information on the various facilities available.

Further regulations and information may be specified by your individual faculty or school.

---

### 1.1 Admission

Admission requirements and applications procedures are outlined in the individual faculty and school sections; refer to [Faculties & Schools](#) to find yours.

---

### 1.2 Student Services and Regulations

Student Ad-re2 0 1 126m(3ngs)Tj1 0 0 1 43.52 e2 0 1 126m(1.1.1)Tj/F1 8.1 Tf1 0 0 1 67.52483.2165 Tm(The missionStlatemen ofn the

**Note for Dietetics Major, School of Human Nutrition:** All placement sites within the McGill network are bilingual and require students to have, at minimum, a working kno

Vaccination against other infectious diseases such as influenza may be required.

Current information indicates that there is a potential risk of transmission of Hepatitis B from practitioner to patients in the clinical dental setting. Therefore, applicants for the D.M.D. program, the General Practice Residency Program in Dentistry, and all Oral and Maxillofacial Surgery programs will be required to be tested for Hepatitis B surface antigen by the Student Wellness Hub. Applicants who test positive for Hepatitis B surface antigen will be tested for Hepatitis B "e" antigen and Hepatitis B viral DNA to help determine infectivity risk. If tests for either Hepatitis B "e" or Hepatitis B viral DNA are positive, the offer of acceptance will be withdrawn and registration in the program will not be completed.

Health Sciences students who think they might be infected or think they have been exposed to a blood-borne disease should be tested for any or all blood-borne pathogens.

Students who are seropositive for Hepatitis B, C, HIV, and/or any other blood-borne pathogens hav



### Dentistry and Medicine - Microscopes

In order to ensure that each student is adequately equipped for the microscopic work in histology, microbiology, and pathology, a binocular microscope is provided for all students in first and second year.

### Medicine Fees

Books, Laboratory Materials, Gloves, Anatomy Dissection Kit, Stethoscope, BP cuff, etc.	approximately \$1,500 to \$2,000 (for duration of program)
2 Short White Coats with McGill Logo	approximately \$85
<i>Collège des médecins du Québec</i> (CMQ) registration fee – beginning of First Year (September 30)	\$105

### Medicine Extra Fees

Supplemental or Reread Exam Request Fee	\$42.35 per exam (see <a href="#">Tuition Fees</a> )
Vaccines	see the <a href="#">Student Wellness Hub</a>
French Medical Workshop (optional registration; recommended) – <i>All students are required to have working French knowledge during clinical rotations (years 2, 3, 4)</i>	\$250 (see <a href="#">Language Requirements</a> )

### Medicine - Laptops

The M.D.,C.M. program uses web-based courseware and examinations. Students are required to be equipped with laptops that meet certain minimum requirements throughout all four years of the M.D.,C.M. program.

### Nursing Fees

Books, Uniform, Stethoscope, etc.	approximately \$2,500 to \$3,500 (for duration of the program)
Graduation Pins – Third Year	\$80 to \$200, depending on market value
Name Badge – First Year	approximately \$25
OIIQ registration fee (paid at the OIIQ)	approximately \$250 (for duration of program, subject to change by the OIIQ)
Local transportation to clinical sites	\$70/month
Clinical Skills Kit	amount varies as per course needs

---

## 1.4 Immigration Information

Unless their studies at McGill will be completed in less than six (6) months, all students who are not Canadian citizens or Permanent Residents of Canada must obtain proper authorization from both Quebec and Canadian Immigration officials prior to proceeding to Canada and/or commencing studies. The process begins with a Letter of Acceptance from McGill University.

Details on Canadian immigration regulations may be obtained from [Immigration, Refugees, and Citizenship Canada](#).

In addition, International Student Services prepares a “Getting Started” pamphlet along with a detailed Handbook for international students, which is sent to all accepted applicants. The Handbook is also available on the [International Student Services website](#).

For further information, please contact:

International Student Services  
Brown Student Services Building  
3600 McTavish Street, Suite 5100



totally dedicated to research activities. It also bridges the two other buildings, which have mixed space for teaching and laboratories, to form the complex.  
The Administrati



1650 Cedar Avenue  
Montreal QC H3G 1A4  
Telephone: 514-934-1934  
Website: [muhc.ca/mgh/dashboard](http://muhc.ca/mgh/dashboard)

**Montreal Neurological Institute and Hospital**

3801 University Street  
Montreal QC H3A 2B4  
Telephone: 514-398-6644  
Website: [muhc.ca/mnh/dashboard](http://muhc.ca/mnh/dashboard)

**Lachine Hospital**

650 16th Avenue  
Lachine QC H8S 3N5  
Telephone: 514-934-1934  
Website: [muhc.ca/lachine/dashboard](http://muhc.ca/lachine/dashboard)

The McGill University Health Centre (MUHC), located in Montreal, is one of the most innovative academic health centres in North America. Building on the tradition of medical leadership of its founding hospitals and focusing on complex care, the MUHC receives more than 550,000 ambulatory visits, admits over 37,000 in-patients, performs close to 33,000 surgeries and delivers almost 3,000 babies yearly. In addition to its clinical expertise, the MUHC is proud of the quality and rigour of its clinical and scientific training. Each year 1,260 research trainees; 1,360 residents, pharmacists and dentists; 2,100 nursing students, nursing assistants, patient attendants, and paramedics; and 850 medical students are trained. Continuing education programs are also an integral part of delivering excellent patient care. In addition, all MUHC physicians are appointed professors at the Faculty of Medicine at McGill University. The McGill University Health Centre (MUHC) is one of the world's foremost academic health centres. Affiliated with the Faculty of Medicine of McGill University, the MUHC continues to shape the course of adult and pediatric medicine by attracting clinical and research expertise from around the world, assessing the latest in medical technology, and training the next generation of medical professionals. In collaboration with our network partners, we are building a better future for our patients and their families; for our employees, professionals, researchers, and students; for our community and above all, for life.

The MUHC has more than 12,000 healthcare and other personnel working within the organization's seven clinical missions:

- The Montreal Children's Hospital
- Medicine
- Surgery
- Neurosciences
- Mental Health
- Women's Health
- Cancer Care

The Research Institute of the McGill University Health Centre (RI-MUHC) is a world-renowned biomedical and healthcare research centre. The Institute, which is affiliated with the Faculty of Medicine of McGill University, supports over 446 researchers and more than 1,260 research trainees devoted to a broad spectrum of fundamental, clinical, and evaluative research at the Glen site and the Montreal General Hospital. Its research facilities offer a dynamic multidisciplinary environment that fosters collaboration and leverages discovery aimed at improving the health of individual patients across their lifespan. The RI-MUHC is supported in part by the *Fonds de recherche en santé* and the *Fonds de la recherche en santé* of the *Université de Montréal*.

Care, and the operating rooms—opened in a new critical-care pavilion in January 2016. The hospital has been designated by the government of Quebec as one of Montreal's five major service centres; as a provincial centre for high-risk obstetrical and neonatal care; and as a breast referral and investigation centre.

Treatment is provided by approximately 700 affiliated doctors, many of whom have teaching appointments at McGill University, as well as 300 medical residents per year, together with nursing and a wide range of allied health services. The Jewish General Hospital carries out more than 22% of the training for McGill's Faculty of Medicine and is home to several of the University's programs, including the McGill AIDS Centre, the McGill Centre for Translational Research in Cancer, the McGill Head and Neck Surgery and Oncology Program, and the McGill Menopause Clinic. The hospital's Lady Davis Institute is acknowledged as a world leader in many fields of research, including cancer (the Terry Fox Molecular Oncology Group), aging (the Bloomfield Centre for Studies in Aging), epidemiology (the Centre for Clinical Epidemiology and Community Studies), nursing (the Centre for Nursing Research), HIV/AIDS, cardiovascular disease, genetics, emergency medicine, nephrology, and the psychosocial aspects of illness. The outstanding quality of this work has often enabled the Lady Davis Institute to attract more funding per researcher than any other hospital-affiliated research institution in Quebec.

More information is available at [www.jgh.ca](http://www.jgh.ca).

**St. Mary's Hospital Center** (Montreal West Island Integrated University Health and Social Services Centre/*Centre intégré universitaire de santé et services Sociaux (CIUSSS) de l'Ouest-de-l'Île-de-Montréal*)

3830 Lacombe Avenue  
Montreal QC H3T 1M5  
Telephone: 514-345-3511  
Website:

**CSSS Cavendish** (*CIUSSS du Centre-Ouest-de-l'Île-de-Montréal*)

5425 Bessborough Avenue, Montreal QC H4V 2S7

[cssscavendish.qc.ca](http://cssscavendish.qc.ca)**Jewish Rehabilitation Hospital** (*CISSS de Laval*)

3205 Place Alton Goldbloom, Laval QC H7V 1R2

[hjr-jrh.qc.ca](http://hjr-jrh.qc.ca)**Constance-Lethbridge Rehabilitation Centre** (*CIUSSS du Centre-Ouest-de-l'Île-de-Montréal*)

7005 de Maisonneuve Boulevard West, Montreal QC H4B 1T3

[constance-lethbridge.qc.ca](http://constance-lethbridge.qc.ca)**MAB-Mackay Rehabilitation Centre** (*CIUSSS du Centre-Ouest-de-l'Île-de-Montréal*)

7000 Sherbrooke Street West, Montreal QC H4B 1R3

[mabmackay.ca](http://mabmackay.ca)**Maimonides Geriatric Centre** (*CIUSSS du Centre-Ouest-de-l'Île-de-Montréal*)

5795 Caldwell Avenue, Montreal QC H4W 1W3

[donaldbermanmimonides.net](http://donaldbermanmimonides.net)**Shriners Hospitals For Children - Canada**

1003 Decarie Boulevard, Montreal QC H4A 0A9

[shrinershospitalsforchildren.org/montreal](http://shrinershospitalsforchildren.org/montreal)

\* This list is not exhaustive.

**1.5.3 Clinical Facilities for Dentistry****The McGill University Undergraduate Teaching Dental Clinic, previously located in the Montreal General Hospital, is now located at:**

Place Mercantile

2001 McGill College Avenue, Suite 100

Montreal QC H3A 1G1

Canada

Telephone: 514-398-7203

Fax: 514-398-8900

Website: [www.mcgill.ca/dentistry/undergraduate-teaching-clinic/contact](http://www.mcgill.ca/dentistry/undergraduate-teaching-clinic/contact)

At the Clinic, students in the undergraduate program are taught under the guidance of the dental staff to carry out various phases of clinical dentistry and related laboratory procedures. They attend this clinic daily except for such time as may be taken up by lectures or other University work.

**1.5.4 Facilities for Human Nutrition****The Mary Emily Clinical Nutritional Research Unit** is located on 7 Maple Street in Sainte-Anne-de-Bellevue.

The Unit was developed in 1995 with the objective to create a facility dedicated to in-patient human nutrition experimentation using precisely controlled diets. The Unit is housed in a detached 5,000 sq. ft. building located at the perimeter of the Macdonald Campus with easy access to the community at large. This Unit is capable of supporting 12 research subjects on an in-patient basis. The facility is unique in Canada, in that it allows strict, in-house monitoring and testing of research subjects over prolonged periods while they consume diets prepared in-house. The first floor houses a state-of-the-art metabolic kitchen to prepare foods in a controlled manner, including a sitting area for meal consumption. The second floor houses an interview room to provide for attainment of written ethical consent/assent. A research/clinical assessment room is dedicated to procedures that include blood sampling by a phlebotomy team or clinical staff in adults, infants, and children.

The Unit is a self-supporting initiative which is available for use by external researchers. For further information regarding collaborative or independent extramural research interests, contact the Director of the [School of Human Nutrition](#).

**1.5.5 Research Centres**

- [section 1.5.5.1: Alan Edwards Centre for Research on Pain](#)
- [section 1.5.5.2: Artificial Cells and Organs Research Centre](#)
- [section 1.5.5.3: Biomedical Ethics Unit](#)
- [section 1.5.5.4: Centre for Bone and Periodontal Research](#)
- [section 1.5.5.5: Centre for Research on Brain, Language and Music](#)
- [section 1.5.5.6: Centre for Research in Reproduction and Development](#)

- *section 1.5.5.7: Centre for Translational Research in Cancer*
- *section 1.5.5.8: Institute of Health Sciences Education*
- *section 1.5.5.9: Ludmer Centre for Neuroinformatics & Mental Health*
- *section 1.5.5.10: McGill AIDS Centre*
- *section 1.5.5.11: McGill Centre for Research in Neuroscience*
- *section 1.5.5.12: McGill International TB Centre*
- *section 1.5.5.13: McGill University Research Centre for Studies in Aging*
- *section 1.5.5.14: Rosalind and Morris Goodman Cancer Research Centre*

**Alan Edwards Centre for Research on Pac h on1 0 0 1 229.9 64,.477 Tm(ac h o14)Tj10 0 Tf1 0 0 1 81.693 634.06584.4e**

#### **1.5.5.4 Centre for Bone and Periodontal Research**

740 Doctor Penfield Avenue, Room 2200

Montreal QC H3A 1A4

Telephone: 514-934-1934 ext. 35693

Fax: 514-398-4020

Website: [bone.mcgill.ca](http://bone.mcgill.ca)

The Centre for Bone and Periodontal Research was established in October 2001 to promote and f

Montreal QC H3T 1E2

Telephone: 514-340-8222 ext. 28873

Website: [www.mcgill.ca/translational-research-cancer](http://www.mcgill.ca/translational-research-cancer)

The aim of the Centre is to facilitate the translation of the exciting novel findings made in fundamental laboratories into testable hypotheses for evaluation in clinical trials in oncology. There are currently extremely high-quality clinical research activities at McGill, and the fundamental investigations of cancer biology by McGill scientists are recognized worldwide. The Centre provides the infrastructure to bring these investigators together in order to synergize their efforts at generating novel and promising translational research. This provides a structured focus for these activities and will accelerate the testing of potential benefits derived from scientific discovery.

The Centre provides core functions to enhance translational research, including a Molecular Pathology Centre with a centralized biobank, a Clinical Research unit with extensive experience in novel therapeutics testing, a Proteomics facility with a proteogenomics platform, and a Molecular Modeling program. The unique interaction of clinician-scientists and Ph.D. researchers provides an important strength to novel therapeutic development programs. The Centre also helps create strategic partnerships with governmental organizations, biotech companies, and the pharmaceutical industry.

The Centre provides a high quality environment for training clinician-scientists in cancer research. Trainees include both graduate students (M.Sc. and Ph.D students from the departments of Experimental Medicine, Human Genetics, Pharmacology & Therapeutics, and Pathology) and M.D. scientists interested in clinically-relevant cancer research.

#### **1.5.5.8 Institute of Health Sciences Education**

Lady Meredith House

1110 Pine Avenue W

- Dr. Michael Meaney leads the Centre's epigenetics pillar: the Sackler Program for Epigenetics & Psychobiology at the Douglas Mental Health University

epidemiologic, and social aspects of TB. We work to better understand TB pathogenesis and host resistance, and also develop and evaluate ne



Services, staff, and collections will be relocated to the McLennan-Redpath Library Complex.

More information available on the Schulich Library website:

Website: [www.mcgill.ca/library/branches/schulich](http://www.mcgill.ca/library/branches/schulich)

### Osler Library of the History of Medicine

The Osler Library of the History of Medicine has as its nucleus the 8,000 volumes willed to McGill University in 1919 by Sir William Osler (one of its most famous pupils and teachers). Osler Library has been temporarily relocated to the McLennan-Redpath Library Complex.

More details available from the Osler Library Website:

McLennan-Redpath Library Complex  
3459 McTavish Street  
Montreal QC H3A 0C9  
Website: [www.mcgill.ca/library/branches/osler](http://www.mcgill.ca/library/branches/osler)

For hours, see:

Website: [www.mcgill.ca/library/branches/hssl](http://www.mcgill.ca/library/branches/hssl)

### Macdonald Campus Library

The Macdonald Campus Library, located in the Barton Building, is a primary resource for Dietetics and Human Nutrition users. The Library's collection encompasses a wide variety of resources in agriculture, food and animal science, nutrition, the environment, ecology, plant science, and agricultural engineering. The Library's hours vary throughout the year and are available on the website noted above or by telephoning 514-398-7881.

Barton Building  
21,111 Lakeshore Road  
Ste. Anne de Bellevue QC H9X 3V9  
Website: [www.mcgill.ca/library/branches/macdonald](http://www.mcgill.ca/library/branches/macdonald)

## 2 Degree Completion Program

### International Dental Graduates

The Degree Completion program is intended for graduates of international dental programs that are not accredited by the Commission on Dental Accreditation of Canada (CDAC). Internationally trained dentists that would like to complete their Doctor of Dental Medicine (D.M.D.) degree should apply for this program.

The Degree Completion Program is 2.5 years long and successful candidates are awarded a D.M.D. degree. Students accepted into the Degree Completion Program are placed in the second half of the second year of the four-year D.M.D. program.

The number of positions available for the Degree Completion Program varies every year depending on the space available. Successful candidates will begin the program in early December. Dentists who have graduated from a non-accredited dental program and who are interested in getting licensed to practise in Canada can complete the National Dental Examining Board of Canada (NDEB) Equivalency Process. The Equivalency Process comprises three assessments. Successful completion of the assessments allows individuals to apply to take the NDEB written and OSCE examinations. Detailed information on the NDEB Equivalency Process is available at [ndeb-bned.ca/en/non-accredited](http://ndeb-bned.ca/en/non-accredited).

Graduates of non-accredited dental programs who wish to practice in Quebec should also consult with the *Ordre des dentistes du Québec*. Applicants who are graduates of a non-accredited dental program and are a recognized resident of Quebec, Canadian citizen or permanent resident of Canada, may apply to the Faculty of Dentistry's Degree Completion Program for entry into the second year of the D.M.D. program. They will be required to successfully complete the NDEB Assessment of Fundamental Knowledge (AFK) prior to submitting an application (minimum required score of 75); must have successfully completed the CASPer test (details available at [www.mcgill.ca/dentistry/international-degree-completion/requirements](http://www.mcgill.ca/dentistry/international-degree-completion/requirements)); and must demonstrate proficiency in English (minimum scores: TOEFL [iBT] 90; IELTS 6.5). Candidates selected for Degree Completion positions are placed in the second half of the second year of the four-year D.M.D. program. International Dental Graduates join students accepted into the four-year D.M.D. program and complete the last 2.5 years of the program with them. They receive a D.M.D. degree from McGill University following completion of the program. The number of Degree Completion positions available every year varies depending on space and the needs of the program.

### Requirements

To apply to the Degree Completion Program, you must fulfil the following requirements:

- Be a graduate of a non-accredited dental program
- Be a recognized resident of Quebec, Canadian citizen, or permanent resident of Canada
- Have successfully completed the NDEB Assessment of Fundamental Knowledge (minimum required score: 75). Tests taken more than two years prior to the application deadline will not be considered.

- Have successfully completed the CASPer test by the required deadline. Please refer to [www.mcgill.ca/dentistry/international-degree-completion/requirements](http://www.mcgill.ca/dentistry/international-degree-completion/requirements) for more information.
- Demonstrate proficiency in English if the language of instruction was not English (minimum required scores: TOEFL [iBT] 90; IELTS [academic version] 6.5). Your official results must be sent directly by the Board by the deadline.

As an indicator of competitive AFK scores, here are the average AFK scores for interviewed candidates in the past two years:

- 2020: 89
- 2019: 89
- 2018: 84

All candidates applying to our Degree Completion Program must complete the [section 4.2: Compulsory Immunization Program](#) prior to being permitted to treat patients.

Applications to the Degree Completion Program must be submitted by

---

### **3.3 Dental Regulatory Authorities in Other Provinces**

Students are advised to write to the addresses listed below for information whenever they are in doubt as to the regulations of any pro



- *section 6.1: Entrance Scholarships*
- *section 6.2: In-course Scholarships*
- *section 6.3: Medals and Prizes*
- *section 6.4: Financial Aid*
- *section 6.5: Dental Officer Training Plan*

---

## **6.1 Entrance Scholarships**

Each year, a limited number of Entrance Scholarships are a

#### **Dr. Earl Lerner Faculty Scholarship**

Established in 2000 by a generous gift from Dr. Earl Lerner, D.D.S.'63, for an undergraduate student currently enrolled in the D.M.D. program. This Scholarship will be awarded on the basis of high academic achievement, by the Faculty of Dentistry. Preference will be given to a student entering the second year of the D.M.D. program.

#### **Dr. William Boroff Scholarship in Dentistry**

Established in 2004 through generous gifts from family and the McGill Dentistry Class of 1973 on their 30th Anniversary of graduation to honour the memory of their classmate, Dr. William Boroff. This Scholarship will be awarded by the Faculty of Dentistry Scholarships Committee to a meritorious undergraduate student in the D.M.D. program who has demonstrated outstanding qualities of character, perseverance, and sportsmanship. Preference will be given to a student who is entering the fourth year of the D.M.D. program.

#### **Dr. Harry Rosen Scholarship in Dentistry**

Established in 2004 by A. Bram Appel, B.Com.'35, and Bluma Appel, in honour of Harry Rosen, D.D.S.'53, a distinguished graduate and Professor Emeritus of the Faculty of Dentistry. Awarded by the Faculty of Dentistry Scholarships Committee on the basis of high academic standing to an undergraduate student who has completed at least one year of the D.M.D. program. Preference will be given to a student entering the fourth year of studies in the D.M.D. program.

#### **Carol David Scholarship**

Established in 2019 by Lesley A. David, DDS 1993, in honour of her mother, Carol David, for one or more outstanding undergraduate students who have completed at least two years of the D.M.D. Program. Awarded by the Faculty of Dentistry on the basis of high academic standing and exceptional pre-clinical skills. Renewable provided the holder maintains an academic standing established by the Faculty.

#### **Rena and Mervyn Gornitsky Scholarship in Dentistry**

Established in 2005 by Rena Gornitsky, B.Com.'53, and Mervyn Gornitsky, B.Sc.'51, D.D.S.'53, a distinguished graduate and Professor Emeritus of the Faculty of Dentistry. This Scholarship will be awarded by the Faculty of Dentistry Scholarships Committee to an undergraduate student in the D.M.D. program who has demonstrated exceptional academic performance and initiative in the area of Oral and Maxillofacial Surgery. Preference will be given to a student who is entering the fourth year of the D.M.D. program.

---

### **6.3 Medals and Prizes**

The Faculty of Dentistry is well aware of the many awards and prizes that are offered to students through various academies, associations, and commercial dental manufacturers. However, due to Faculty policy which was initiated by the *Dental Students' Society*, only official prizes and awards that are listed in the Health Sciences eCalendar will be recognized on student records. Further information regarding financial aid for undergraduate students is available in the *Undergraduate Scholarships and Awards Calendar*.

#### **6.3.1 First Year**

##### **James Q. Bliss Annual Book Award**

Awarded to the student who obtains the highest standing in the Renal Block E.

##### **Shirley Nancy Endman Prize**

Established in 1982 by Louis Endman in memory of his wife. Awarded to the student who obtains the highest standing in the Renal Block E.

**Dr. W.C. Bushell Award**

Awarded to the students with the highest overall standing in the Radiology course in the second year of the dental curriculum.

**Dr. M. Donigan Award**

Presented to the student attaining the highest overall standing in the Physicianship and Dentistry Apprenticeship units in the FMD component of the curriculum.

**Joseph Morley Drake Prize**

Founded by the late Joseph Morley Drake, M.D. Awarded to the student with the highest standing in the Pathobiology, Prevention and Treatment of Disease unit.

**Dr. Leanore K. Feine Prize**

Awarded to an undergraduate student who has best demonstrated commitment to the oral health of the local community.

**Charles E. Frosst Medical Prize and Bronze Medal**

A bronze medal and prize of \$1,000 are awarded annually to a student, in the Basis of Medicine, who has achieved excellence in the Unit on Pathobiology, Treatment, and Prevention of Disease and has demonstrated, on the basis of interviews, the most promise in the field of Pharmacology.

**Dr. Maxwell and Betty L. Goldenberg Prize**

Established by a generous bequest from the estate of Mrs. Betty L. Goldenberg in honour of her husband Dr. Maxwell Goldenberg, D.D.S.'25. Awarded by the Faculty of Dentistry to the student attaining the highest standing in the Practical Clinical Component of Cycle Two (PreClinical Studies), in the second year of the dental undergraduate program.

**Robert B. Greenblatt Prize**

Endowed in 1987 by Dr. Robert B. Greenblatt, an eminent endocrinologist and Professor Emeritus at the Medical College of Georgia, who graduated from McGill with a B.A. in 1928 and an M.D.,C.M. in 1932. Awarded by the Faculty Scholarships Committee to the student who obtains the highest standing in the Reproduction and Sexuality Block I.

**Dr. I.K. Lowry Award**

Awarded to an undergraduate student who has obtained the highest overall standing in the Support Tissue course in the second year of the dental curriculum.

**Francis McNaughton Prize**

Established in 1980, a prize and a book are awarded to the student with the highest standing in the Human Behaviour Block J.

**Dr. K.I. Melville Award**

Awarded to an undergraduate student who has obtained the highest overall standing in the F

**Dr. Gerald Franklin Prize**

Awarded to the student attaining the highest standing in the examinations in the third year of the dental undergraduate program.

**Dr. Philip J. and Mrs. Stella Gitnick Prize**

Established in 2009 by Barbara Gitnick, B.Sc.'70, D.D.S.'78, in honour of her late parents, Philip J. Gitnick, D.D.S.'35, and Stella Gitnick. Awarded by the Faculty of Dentistry Scholarships Committee to an outstanding student entering the fourth year of the D.M.D. program, who has achieved the highest standing in the area of Periodontology.

**International College of Dentists Prize (Canadian Section)**

Awarded to the student attaining the second highest standing in the third year of the dental undergraduate program.

**Dr. Morton and Dr. Jonathan Lang Prize in Dentistry**

Awarded by the Faculty of Dentistry Scholarships Committee to an outstanding undergraduate student on the basis of academic merit.

**6.3.4 Fourth Year**

**Canadian Dental Association Student Leadership Award**

Awarded to the graduating student who, over the undergraduate years, has shown outstanding qualities of leadership, scholarship, character, and humanity and who may be expected to have a distinguished career in the dental profession and society at large. Student must be a member of the C.D.A.

**Dr. J.K. Carver Award**

Donated by *l'Ordre des Dentistes du Québec*, awarded to the student in the final year attaining the second highest overall standing in the four years of the dental undergraduate program.

**Dr. Aldis Bernard Award**

Donated by *l'Ordre des Dentistes du Québec*, awarded to the student in the final year attaining the highest overall standing in the four years of the dental undergraduate program.

**Dr. Soo Kim Lan Prize in Dentistry**

Established in 2000 by Arthur Lau, B.Arch.'62, and Crystal S.C. Lau, B.Sc.'62, M.Sc.'64, for graduate students in the Faculty of Dentistry. Awarded by the Faculty of Dentistry to an outstanding graduating student who is entering a residency or postgraduate program.

**Dr. W.G. Leahy Prize**

Awarded to a student in the final year for meritorious achievement in Clinical Dentistry throughout the clinical undergraduate program.

**Dr. Paul A. Marchand and Maurine McNeil Marchand Prize**

Awarded to the student in the final year who has demonstrated the highest degree of professionalism and patient management.

**Dr. James McCutcheon Medal**

Awarded to the member of the graduating class who has demonstrated outstanding qualities of leadership, scholarship, and professional achievement throughout the four years of the program in Dentistry.

**McGill Alumnae Society Prize**

Presented upon graduation to a distinguished student for excellence and high academic standing. Preference given to women students.

**Prix Micheline-Blain – ACDQ**

Donated by the Quebec Dental Surgeons Association, awarded to a student in the graduating year who has best served the interests of his/her colleagues throughout the university years.

**Dr. A. Gerald Racey Prize**

Awarded to the student in the final year who has excelled in the objective structured clinical examination portion of the final oral and maxillofacial examination.

**Dr. A.W. Thornton Medal**

Donated by the Montreal Dental Club, awarded to the student in the final year attaining the highest overall standing in the four years of the dental undergraduate program.

**Prix d'excellence Jean-Robert Vincent**

Donated by the Quebec Association for Special Care Dentistry, awarded to a graduating student who attains the highest grade in Geriatric Dentistry.

**Dr. A.L. Walsh Prize**

Awarded to a student in the final year for meritorious achievement in Oral Medicine throughout the clinical undergraduate program.

**Dr. Marvin And Mandy Werbitz Award in Dentistry**



Established in 2008 by Marvin Werbitt, D.D.S.'71, and Mandy Werbitt. Awarded by the Faculty of Dentistry Scholarships Committee to a graduating student who has completed the D.M.D. program, and who has demonstrated outstanding personal initiative and a strong academic standing in Periodontology throughout the four-year undergraduate program.

---

## 6.4 Financial Aid

The University has a fund from which loans may be made to students of good academic standing.

Applications for financial assistance should be made to the **Scholarships and Student Aid Office**:

Brown Student Services Building  
3600 McTavish Street, Suite 3200  
Montreal QC H3A 0G3  
Telephone: 514-398-6013  
Website: [www.mcgill.ca/studentaid](http://www.mcgill.ca/studentaid)

The Scholarships and Student Aid Office administers the University's financial aid programs, which include short term and longer term low-interest loans and limited bursary assistance for high need students. A description of loans and bursaries available to full time degree students in good academic standing can be found in the [Undergraduate Scholarships and Awards Calendar](#).

Applications for In-Course Financial Aid can be found through the Financial Aid/A

**Associate Dean, Undergraduate Dental Education**

S. Abi-Nader

**Assistant Dean, Undergraduate Dental Education**

P. Chauvin

**Undergraduate Clinic Director**

N. Makhoul

**Associate Dean, Research and Graduate Dental Education**

F. Tamimi (*sabbatical*); S. Komarova (*Interim Associate Dean*)

**Assistant Dean, Research and Graduate Dental Education**

B. Nicolau

**Graduate Program Director**

S. Tran

**Associate Dean, Postgraduate Dental Education**

N. Makhoul

**Emeritus Professors**

K.C. Bentley

F. Cervero

M. Gornitsky

C. Smith

**Professors**

P.J. Allison

J.E. Barralet

L. Diatchenko

J.S. Feine

S. Komarova

M.D. McKee

D. Reinhardt

M. Tabrizian

S. Tran

**Associate Professors**

S. Abi-Nader

C. Bedos

V. Benhamou Cohen

P.J. Chauvin

A. Chehade

I.M. Fried

G.J. Harasymowycz

R. Hovey

A. Ianella

M.T. Kaartinen

### Associate Professors

M.E. MacDonald

N. Makhoul

S.I. Miller

F.I. Muroff

M. Murshed

J.M. Myers

B. Nicolau

J.R. Pompura

E. Raviv

M. Schwartz

L. Stone

F.A. Tamimi Marino

R.F. de Souza

F. Tamimi

A.M. Velly

M. Wiseman

J. Zhang

E. Zimmerman

### Assistant Professors

S. Arekunnath Madathil, C. Beraldo Meloto, G. Chiasson, R. Clark, D. Dagdeviren, Z. Der Khatchdourian, R.B.J. Dorion, J.G. Drummond, A. Dudkiewicz, M. El Hakim, B. Ferraz Dos Santos, J.R. Fong Chong, D. Iera, B. Kano, E.R. Karanofsky, A. Khoutorsky, G.M. Konanec, Y. Kwong Li, A.E. Lisbona, A. Marleau, M.O. Martel, R. Miller, N.M. Morin, F.A. Power, R. Raviv, B. Saleh, F. Samim, M.F. Seng, M. Shildkraut, M.D. Shizgal, H. Sirhan, M.A. Stein, E. Vachon-Presseau, M.A. Wiseman

### Faculty Lecturers

M. Abadi, E.M. Abbey, J. Abikhzer, H. Abo Sharkh, F.E. Albert, J. Albilal, E. Alvaro, V. Amassian, S. Asif, M. Bakdach, D. Baker, M.J. Barmash, J.-P. Bedirian, J. Benjamin, A. Berardelli, T. Bergman, G.C. Bonin, M.-E. Boucher, Y. Bouhout, Y. Boulos, E. Briones, J.-F. Brochu, M.P. Canales, P. Canonne, J. Carpendale, G.C. Cernica, N. Chahine, C. Chahine, K. Chalaby, V. Chamlian, E. Chan, M.-C. Chouinard, M. Cielecki, S. Ciobanu, A. cristinziano, N. Criton-Muller, C.A. Czerednikow, M.J. D'Souza, B. Dabbagh, J.C. Desjardins, A. Diamandis, L.P. Dillullo, P. Drakoulakou, M.G. DuVal, G.H. El-Onsi, F. Elbaz, N. Elhadad, J.C. Erdan, S. Eskenazi, E.C. Espiritu, J.E. Ethier, R. Fagen, A.F. Farina, J.T. Flanagan, S.M. Fletcher, J. Forsprecher, L. Franco, M. Frejji, C.A. Fung, H. Gaied, H. Ghaderi-Moghadam, S.G. Greenwald, J.S. Grewal, R. Ha, L. Haikal, T. Hamalian, P. Harrosch, M. Helmy, I.D. Hoffman, N. Hojjati, G.J. Hwang, C. Iafrancesco, L.A. Iannella, D. Kaloyannis, A. Karamitsos, R.J. Karanofsky, N. Karra, I. Katz, D.A. Kennedy, M.B. Kerner, S. Kholmogorova, L. Kichian, T. Konanec, C. Koran, S. Krychman, R.M. Lafleur, M.S. Lafontaine, C. Landry, J. Lee, G. Lemieux, O. Levy, H.S. Libenson, P. Lieberman, P. Limniatis, T.C. Luu, S.L. Malkinson, O.M. Maria, O. Mark, E. Marko, M. Masri, B. Mayantz, G. Melki, M. Melki, M. Menassa, S. Ment, M. Michelakis, J. Millette, M. Miller, P. Moraga, E. Mota, B. Mui, M. Naman, R. Nasser, P. Nguyen, T.B.M. Nguyen, J. Nudo, N. Ouatic, S. Papageorgakopoulos, M. Pasoff, J. Patel, O. Peloso, J.T.A.T. Pham, T. Phan, K. Rafla, L. Rainville, H. Rajchgot, C. Reis-Figueiredo, J.L. Retter, V. Reuveni, R. Rezaei, D.N. Richmond, S.A. Rico-Vargas, J. Rizkallah, C. Robin, C. Rode, J. Rouleau, S.M. Ruckenstein, A. Ruest, B. Salis, B. Schneider, E. Schneidman, J. Seguin, M. Senye, M. Sgro, N. Shahidi, A. Sherman, M.E. Silver, W.L. Steinman, P. Sweet, A. Taheri, N.R.G. Thorpe, S. Tikhonova, B. Toukmanian, C. Tra, C. Tse-Wallerstein, P. Van Wijlen, B. Wazirian, P.R. Weinstein, J. Werbit, J.A. Werbit, C. Yea, N.G. Yoffe, N.A.A. Zaki

### Adjunct Professors

H. Abd-UI-Salam, Z. Badran, T.V. Dao, K. El Kholi, Y. Kaw

---

## 9 Browse Academic Programs

The programs and courses in the following sections have been approved for the **2020–2021** academic year as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

---

### 9.1 Craniofacial Orthodontics

#### 9.1.1 Location

##### Faculty of Dentistry

Place Mercantile

2001 McGill College Avenue, Suite 500

Montreal QC H3A 1G1

Canada

Telephone: 514-398-7203, ext. 094406

Fax: 514-398-8900

Email: [gradofficer.dentistry@mcgill.ca](mailto:gradofficer.dentistry@mcgill.ca)

Website: [www.mcgill.ca/dentistry/craniofacial-orthodontics-program](http://www.mcgill.ca/dentistry/craniofacial-orthodontics-program)

#### 9.1.1.1 About Craniofacial Orthodontics

The Craniofacial Orthodontics program combines a certificate in Craniofacial Orthodontics with the M.Sc. in Dental Sciences, and is designed specifically for future academic-practitioners interested in practising in a hospital or academic environment.

##### *section 9.1.3: Certificate (Cert.) Craniofacial Orthodontics (70 credits)*

The Faculty of Dentistry offers a Craniofacial Orthodontics program, which combines a certificate in Craniofacial Orthodontics with the M.Sc. in Dental Sciences.

This 36-month program is designed specifically for future academic-practitioners interested in practising in a hospital or academic environment. Students will split their time between clinic, classroom, and research. A significant amount of time will be devoted to basic, clinical, and health and society research.

Studies take place in a hospital environment, allowing residents to become part of a true multidisciplinary team including orthognathic surgery, prosthodontics, trauma, enA signifi 332ctiTw1 0 0 1 70.52 348.79216 0.

## Supporting Documents

Applicants are **required** to use the [document upload feature on Minerva](#) to ensure their documents are added to their file. All documents can be uploaded except for letters of reference; these need to be sent in PDF format directly by the referees (using a professional email address) to [marie.vigouroux@mcgill.ca](mailto:marie.vigouroux@mcgill.ca). Do **NOT** mail or fax a copy of the documents that you have already uploaded to your application—doing so will slow down the review of your application.

Official copies of transcripts can be sent to the McGill Documentation Centre:

McGill University – Enrolment Services  
Student Records  
3415 McTavish Street  
Room MS 13  
Montreal QC H3A 0C8  
CANADA

**Please be sure to include your McGill I.D. number on ALL supporting documents.**

### 1. Official Transcripts of all previous university education

Applicants may [upload](#) a copy of their unofficial transcript via [Minerva](#). If offered admission, at that time, students must make arrangements with their college and/or university to send official transcripts to McGill.



**Important:** Official transcripts sent to McGill University become the property of the University and will not be returned or forwarded to other institutions.

Current McGill University students are **not** required to send transcripts by mail. McGill's admitting office obtains these directly. All other applicants must make arrangements with their college and/or university to send official transcripts to McGill.

### 2. Three Reference Letters

- One from the Dean of your School
- One from the Director of the Orthodontic Division of your Dental School
- One from a dental professional, preferably a person involved in active research, who is familiar with your academic ability and who has agreed to supply a reference

The reference letters must be sent in a PDF format directly by the referee via a professional email address to [marie.vigouroux@mcgill.ca](mailto:marie.vigouroux@mcgill.ca).

### 3. Curriculum Vitae

### 4. Letter of Intent

All applicants are required to submit a Letter of Intent to assist the Program Director develop a fuller understanding of the applicant and the personal characteristics, experiences and goals that make the applicant suitable for this program. Candidates are invited to discuss any information about themselves that might assist the Committee in this task.



**Note:** All documents submitted to McGill University in support of an application to be admitted—including, but not limited to transcripts, diplomas, letters of reference, and test scores (in paper or electronic format)—become the property of McGill University and will not be returned to the applicant or forwarded to another institution.

#### 9.1.2.3 Application Dates and Deadlines

All applications to the Craniofacial Orthodontics program must be completed online. The application period starts on **September 7** and ends **October 7**; for more information, see [www.mcgill.ca/dentistry/craniofacial-orthodontics-program/how-apply](http://www.mcgill.ca/dentistry/craniofacial-orthodontics-program/how-apply).

#### 9.1.3 Certificate (Cert.) Craniofacial Orthodontics (70 credits)

This program is designed to be completed in tandem with the MSc Dental Sciences (Thesis). It provides a comprehensive understanding of craniofacial sciences as well as its application to the various orthodontic techniques and methods in contemporary clinical practice. It also provides experience in teaching orthodontics to undergraduate dental students, and in collaborative treatment on complex cases in conjunction with other dental specialties including Oral and Maxillofacial Surgery, Prosthodontics, and Periodontics.

#### Required Courses (70 credits)

DENT 520	(8)	Orthodontic Seminar 1
DENT 521D1	(6)	Orthodontic Seminar 2
DENT 521D2	(6)	Orthodontic Seminar 2
DENT 522D1	(5)	Orthodontic Seminar 3
DENT 522D2	(5)	Orthodontic Seminar 3

DENT 523D1	(4)	Orthodontic Seminar 4
DENT 523D2	(4)	Orthodontic Seminar 4
DENT 524D1	(3)	Clinical Orthodontics 1
DENT 524D2	(3)	Clinical Orthodontics 1
DENT 525	(6)	Clinical Orthodontics 2
DENT 526D1	(3)	Clinical Orthodontics 3
DENT 526D2	(3)	Clinical Orthodontics 3
DENT 527	(6)	Clinical Orthodontics 4
DENT 528D1	(3)	Clinical Orthodontics 5
DENT 528D2	(3)	Clinical Orthodontics 5
DENT 529	(2)	Clinical Orthodontics 6

---

## 9.2 Dentistry

### 9.2.1 Location

#### Faculty of Dentistry

2001 McGill College Avenue, Suite 500

Montreal QC H3A 1G1

Canada

Telephone: 514-398-7203

Fax: 514-398-8900

Website: [www.mcgill.ca/dentistry](http://www.mcgill.ca/dentistry)

#### D.M.D. and Dent-P Admissions Offices

2001 McGill College Ave. (by appointment)

Telephone: 514-398-7090

Email: [undergrad.dentistry@mcgill.ca](mailto:undergrad.dentistry@mcgill.ca)

### 9.2.2 About Dentistry

Our Undergraduate Dental Program (D.M.D.) curriculum is innovative and dynamic, reflecting the minds of our outstanding professors and their vision for training tomorrow's leaders in oral health care. First and foremost, we want our graduates to be professionals who possess sound judgment. We believe this is the best way to ensure that their patients, and the population at large, receive the most effective care possible—health care that is supported by scientific evidence and a sense of social justice.

To attain this goal, we have created a curriculum that employs cutting-edge approaches to the management of oral health problems, as well as innovative teaching and learning techniques. It focuses on the relationship between oral health and general health.

*section 9.2.5: Bachelor of Science (B.Sc.) - Dental Preparatory (Dent-P) (30 credits)*

in the Faculty of Science during their preparatory year and must complete the required courses and maintain a minimum cumulative grade point average (CGPA) of 3.5 to continue on to the D.M.D. program.

### **9.2.3 Dentistry Admission Requirements and Application Procedures**

#### **9.2.3.1 Admissions – Undergraduate Program**

Application for admission to the Faculty of Dentistry for the Fall semester (beginning in September) will be available online as of September 1 of the previous year at [www.mcgill.ca/applying](http://www.mcgill.ca/applying). Please consult the Faculty of Dentistry's website at [www.mcgill.ca/dentistry/programs](http://www.mcgill.ca/dentistry/programs) for the most recent application procedures. All documents, including transcripts, curriculum vitae, and personal statement, must be submitted by the deadlines given below. Each application to the D.M.D. program (four years) or the DENT-P program (one year + four-year D.M.D. program) must be accompanied by a non-refundable application fee; please refer to the [Student Accounts](#) website for fee details.

The Faculty of Dentistry encourages students from various backgrounds to apply. Prospective applicants are advised to pursue courses of study, whether in the humanities, the sciences, or the arts, to provide a well-rounded education.

#### **9.2.3.2.1 Four-Year Undergraduate Dental Program (D.M.D.)**

During the first 16 months of the program, the Fundamentals of Medicine and Dentistry are taught in conjunction with the Faculty of Medicine. Students then complete seven months of intense preclinical training followed by two years of clinical training in our brand new state-of-the-art undergraduate teaching



The CASPer test is comprised of 12 sections of video and written scenarios. Following each scenario, you will be required to answer a set of probing questions under a time constraint. Each response is graded by a different rater, giving a robust and reliable view of the personal and professional characteristics important to our program. No studying is required for CASPer, although you may want to familiarize yourself with the test structure and ensure you have a quiet environment to take the test.

CASPer test results are valid for one admissions cycle. Applicants who have already taken the test in previous years will therefore be expected to re-take it. Please refer to [www.mcgill.ca/dentistry/4-year-dmd-program/requirements](http://www.mcgill.ca/dentistry/4-year-dmd-program/requirements) and [www.takeCASPer.com](http://www.takeCASPer.com) for further information.

### **Dental Aptitude Test (DAT)**

The Dental Aptitude Test (DAT) is required for applicants seeking admissions into our D.M.D. program. The DAT must be completed no later than November of the application year (e.g. November 2020 for entry in Fall 2019). The test scores will be considered valid up to 5 years from the date the exam was taken.

Only the Perceptual Ability Test will be used in the assessment of an application. A minimum score of 15 out of 30 is required to be considered. The DAT scores will not be used in determining an applicant's ranking.

For applicants who have written the DAT more than once, we will be using the latest test scores. The DAT can be completed in either French or English.

Applicants who completed a degree in dentistry (e.g. BDS, DMD, DDS) are exempted from taking the DAT. This exemption does not apply to applicants who partially completed studies in dentistry.

The Canadian Dental Association (CDA) offers the DAT twice per year, in November and February. Registration must be done by September 15th for the November test and January 15th for the February Test. We strongly recommend that you confirm these dates with the CDA. It is the candidate's responsibility to request that the DAT results be sent to McGill University by the CDA when submitting an application to our DMD Program.

Please note that results from the American DAT are accepted. The DAT scores must be submitted no later than November 3rd.

Please refer to [www.cda-adc.ca/en/becoming/dat/index.asp](http://www.cda-adc.ca/en/becoming/dat/index.asp) for further information.

### **9.2.3.3 Five-Year Undergraduate Dental Program (Dental Preparatory Program (DENT-P) + D.M.D.)**

The five-year program combines a preparatory year in the Faculty of Science (Dent-P program) followed by the four-year D.M.D. program in the Faculty of Dentistry. The objective of the Dent-P program is to offer students the opportunity to adapt to university-level academics before entering the rigorous curriculum of the D.M.D. program.

The Dent-P program consists of two consecutive semesters of a Bachelor of Science-style curriculum. Students are officially registered in the Faculty of Science during their preparatory year and must complete the required courses and maintain a minimum cumulative grade point average (CGPA) of 3.5 to continue on to the D.M.D. program.

#### **Requirements**

Applicants must be recognized residents of Quebec and enrolled in the second and final year of the Sciences Profile of the Quebec Colleges of General and Professional Education (CEGEP) to be eligible to apply for the five-year Undergraduate Dental Program (DENT-P).

The five-year Undergraduate Dental Program (Dent-P) is not open to university-level students or to students outside of Quebec. This program is only open to immediate graduates of the Quebec collegial (CEGEP) system.

Applicants who have followed a combined three-year Science program (example: 200.11, 200.12, etc.), or have followed the joint Science and International Baccalaureate program (200.10) are also eligible providing they are currently enrolled in the final year of the DCS and that they have not extended the length of their program.

Applicants must have undertaken a minimum of six courses (13.33 credits) in each regular semester.

The integrated Arts & Science program (700.A0) is also acceptable, providing the applicants have obtained the necessary competencies listed in the "Basic Science Requirements" section below.

The Faculty accepts applicants from *Collège international Marie de France* and *Collège Stanislas* as part of this category under the following conditions:

- must be a recognized resident of Quebec;
- must be in the final year (*année terminale*) of the *Séries S*;
- must have attended the institution, at minimum, for *1<sup>ère</sup> année* and *année terminale* in full;
- must not have extended the length of their program for reasons of personal choice;
- must have an R-score along with course attestation (provided by school).

The assessment of an applicant's academic performance for CEGEP-level applicants is based on the overall R-score (*cote de rendement au collégial*; *cote R*). As an indicator of a competitive *cote de rendement*, here are the CRC averages for admitted Dent-P students in the past three years:

2019: 36.51  
2018: 36.85  
2017: 34.83

#### **Basic Science Requirements**

- Biology NYA (00UK), General Biology II NYB (00XU)
- Chemistry NYA (00UL), NYB (00UM), Organic Chemistry I (00XV)

- Mathematics NYA (00UN), NYB (00UP)
- Physics NYA (00UR), NYB (00US), NYC (00UT)

Students in the 700.A0 program must have completed the Biology objectives of 01Y5 and 01YJ, Chemistry: 01YH and Physics: 01YF or 01YG.

Students in an IB-DEC (200.10) must complete (along with all other program requirements) a minimum of two courses (5.33 credits) in Biology, three courses (8.00 credits) in Chemistry, including Organic Chemistry, two courses (5.33 credits) in Mathematics and one course (2.67 credits) in Physics in order for their application to be considered.

#### CASPer Test – Computer-Based Assessment for Sampling Personal Characteristics

Applicants must have successfully completed the CASPer test. Please refer to [www.mcgill.ca/dentistry/dent-p-program/requirements](http://www.mcgill.ca/dentistry/dent-p-program/requirements) for further information.

#### Dental Aptitude Test (DAT)

Applicants must have successfully completed the DAT. Please refer to [www.mcgill.ca/dentistry/dent-p-program/requirements](http://www.mcgill.ca/dentistry/dent-p-program/requirements) for further information.

#### Applicants not admissible to the Dent-P program:

- Applicants who are completing a Diploma of Collegial Studies (DEC) in more than two years (with the exception of certain students taking a “double DEC” or those enrolled in an approved *Sports Études* program);
- Applicants who have already obtained a Diploma of Collegial Studies, who are or have registered in an undergraduate degree program, or who have completed an undergraduate degree are not eligible.

You may be eligible to apply for the DMD program.

### 9.2.4 Doctor of Dental Medicine (D.M.D.) Dentistry (Four-Year Program) (219 credits)

Note: The curriculum is under constant revision.

Curriculum Outline

#### Year 1 and Year 2, Fundamentals of Dentistry (FMD)

DENT 101J1	(1.83)	Dentistry Apprenticeship 1
DENT 101J2	(1.83)	Dentistry Apprenticeship 1
DENT 101J3	(1.83)	Dentistry Apprenticeship 1
DENT 113D1	(.25)	Community Oral Health Services 1
DENT 113D2	(.25)	Community Oral Health Services 1
DENT 125D1	(1.5)	Oral Health Research 1
DENT 125D2	(1.5)	Oral Health Research 1
DENT 210	(1.5)	Introduction to Oral Medicine and Oral Diagnosis
INDS 111	(6)	Molecules to Global Health
INDS 112	(6)	Respiration
INDS 113	(8)	Circulation
INDS 114	(8)	Digestion and Metabolism
INDS 115	(6)	Renal
INDS 116	(6)	Defense
INDS 117	(6)	Infection
INDS 118	(6)	Movement
INDS 119J1	(1)	Clinical Method 1
INDS 119J2	(1)	Clinical Method 1
INDS 119J3	(1)	Clinical Method 1
INDS 211	(6)	Reproduction and Sexuality
INDS 212	(12)	Human Behaviour

#### Year 2 DMD

DENT 206D1	(.25)	Social Justice Seminar 1
DENT 206D2	(.25)	Social Justice Seminar 1
DENT 208D1	(.5)	Introduction to Infection Prevention and Control
DENT 208D2	(.5)	Introduction to Infection Prevention and Control
DENT 213D1	(.25)	Community Oral Health Services 2
DENT 213D2	(.25)	Community Oral Health Services 2
DENT 215D1	(1)	Tooth Movement
DENT 215D2	(1)	Tooth Movement
DENT 217	(6.75)	Foundations of Dentistry
DENT 218D1	(1)	Support Tissue
DENT 218D2	(1)	Support Tissue
DENT 220D1	(6.5)	Introduction to Restorative Dentistry
DENT 220D2	(6.5)	Introduction to Restorative Dentistry
DENT 221D1	(2.5)	Tooth Loss
DENT 221D2	(2.5)	Tooth Loss
DENT 222D1	(1)	Radiology
DENT 222D2	(1)	Radiology
DENT 224D1	(1.625)	Transition to Clinic
DENT 224D2	(1.625)	Transition to Clinic
DENT 225D1	(1.5)	Oral Health Research 2
DENT 225D2	(1.5)	Oral Health Research 2

**Year 3 DMD**

DENT 305D1	(1.5)	Dental Public Health
DENT 305D2	(1.5)	Dental Public Health
DENT 307D1	(0)	Business Aspects of Dentistry
DENT 307D2	(0)	Business Aspects of Dentistry
DENT 309J1	(1)	Implantology
DENT 309J2	(1)	Implantology
DENT 309J3	(1)	Implantology
DENT 310J1	(5)	Clinical Practice/Junior Clerkship
DENT 310J2	(5)	Clinical Practice/Junior Clerkship
DENT 310J3	(5)	Clinical Practice/Junior Clerkship
DENT 311J1	(1)	Endodontics 1
DENT 311J2	(1)	Endodontics 1
DENT 311J3	(1)	Endodontics 1
DENT 312	(0)	Summer Clinic Externship
DENT 313D1	(.5)	Community Oral Health Services 3
DENT 313D2	(.5)	Community Oral Health Services 3
DENT 315J1	(.7)	Orthodontics 1
DENT 315J2	(.7)	Orthodontics 1
DENT 315J3	(.6)	Orthodontics 1

DENT 316D1	(2)	Pediatric Dentistry 1
DENT 316D2	(2)	Pediatric Dentistry 1
DENT 317D1	(1.5)	Oral Pathology and Medicine
DENT 317D2	(1.5)	Oral Pathology and Medicine
DENT 318J1	(1)	Periodontology
DENT 318J2	(1)	Periodontology
DENT 318J3	(1)	Periodontology
DENT 319D1	(1.5)	Dental Pharmacology
DENT 319D2	(1.5)	Dental Pharmacology
DENT 320J1	(1.333)	Restorative Dentistry
DENT 320J2	(1.333)	Restorative Dentistry
DENT 320J3	(1.333)	Restorative Dentistry
DENT 322J1	(1.34)	Image Interpretation
DENT 322J2	(1.33)	Image Interpretation
DENT 322J3	(1.33)	Image Interpretation
DENT 323J1	(1.33)	Oral and Maxillofacial Surgery
DENT 323J2	(1.33)	Oral and Maxillofacial Surgery
DENT 323J3	(1.33)	Oral and Maxillofacial Surgery
DENT 325D1	(1.5)	Oral Health Research 3
DENT 325D2	(1.5)	Oral Health Research 3
DENT 337	(2)	Clinical Decision Making

**Year 4 DMD**

DENT 406D1	(.25)	Ethics and Jurisprudence
DENT 406D2	(.25)	Ethics and Jurisprudence
DENT 407D1	(1)	Practice Management
DENT 407D2	(1)	Practice Management
DENT 409	(2)	Advanced Restorative Dentistry
DENT 410D1	(5.5)	Clinical Practice/Senior Clerkship
DENT 410D2	(5.5)	Clinical Practice/Senior Clerkship
DENT 411D1	(.5)	Endodontics 2
DENT 411D2	(.5)	Endodontics 2
DENT 412D1	(1)	Introduction to Orofacial Pain
DENT 412D2	(1)	Introduction to Orofacial Pain
DENT 413	(1)	Community Oral Health Services 4
DENT 415D1	(1.5)	Orthodontics 2
DENT 415D2	(1.5)	Orthodontics 2
DENT 416D1	(2)	Pediatric Dentistry 2
DENT 416D2	(2)	Pediatric Dentistry 2
DENT 418D1	(1)	Periodontology Seminar
DENT 418D2	(1)	Periodontology Seminar
DENT 423D1	(2.5)	Oral Maxillofacial Surgery and Pathology



- must be in receipt of this degree by the time of registration in the first year of the program;
- who are not graduates of Quebec dental schools will apply to the Order of Dentists of Quebec for a temporary permit restricting practice to the teaching hospital involved.

**Narrative transcripts are not acceptable.**

Selection of residents is based on academic standing and personal interviews. Applicants must be graduates of an accredited Canadian or U.S. dental school and be eligible for licensure in Quebec.

**French Language Requirement**

Graduates from Quebec are required to pass the examination of the *Ordre des dentistes du Québec* (ODQ) in order to obtain a permit to practice dentistry in Quebec or in the rest of Canada.

- **Candidates who have earned their dentistry degrees in Quebec:** Even if they were born outside Quebec, candidates who have earned their dentistry degrees in Quebec must demonstrate their knowledge of French before they can apply for a permit from the *Ordre des dentistes du Québec* (ODQ) and are not eligible for temporary permits. Generally speaking, candidates who have not done their secondary school studies in French must take an examination administered by the *Office québécois de la langue française* (OQLF) to evaluate their knowledge of French.
- **Candidates who have earned their dentistry degrees outside Quebec:** Candidates who do not meet the requirements of the Charter of the French Language concerning appropriate knowledge of French but who meet all other criteria for practising dentistry may obtain a temporary permit valid for at most one year. This temporary permit will be granted by the Order, along with a registration form for the French examination administered by the *Office québécois de la langue française* (OQLF).

Temporary permits may be renewed up to three times, subject to the OQLF's authorization. Candidates must take the OQLF examination after each renewal. A passing mark must be obtained by the deadline in order to be granted an ODQ permit.

Further details may be obtained by contacting the *General Practice Residency Program* Coordinator at [marie.vigouroux@mcgill.ca](mailto:marie.vigouroux@mcgill.ca).

**9.3.2.2 Application Procedures**



**Note:** All applications for the GPR program must be completed [online](#). Do **not** use uApply to apply, as this is a post-graduate program.

The application period starts on August 15 and ends September 16; for more information, see [www.mcgill.ca/dentistry/general-residency-program/apply-now](http://www.mcgill.ca/dentistry/general-residency-program/apply-now).

See [www.mcgill.ca/applying](http://www.mcgill.ca/applying) for detailed application procedures.

**Supporting Documents**

Applicants are **required** to use the [document upload feature on Minerva](#) to ensure their documents are added to their file. All documents can be uploaded except for letters of reference; these need to be sent in PDF format directly by the referees (using a professional email address) to [marie.vigouroux@mcgill.ca](mailto:marie.vigouroux@mcgill.ca). Do **NOT** mail or fax a copy of the documents that you have already uploaded to your application—doing so will slow down the review of your application.

Official copies of transcripts can be sent to the McGill Documentation Centre:

McGill University – Enrolment Services  
 Student Records  
 3415 McTavish Street  
 Room MS 13  
 Montreal QC H3A 0C8  
 CANADA

**Please be sure to include your McGill I.D. number on ALL supporting documents.**

**1. Official Transcripts of all previous university education**

Applicants may [upload](#) a copy of their unofficial transcript via [Minerva](#). If offered admission, at that time, students must make arrangements with their college and/or university to send official transcripts to McGill.



**Important:** Official transcripts sent to McGill University become the property of the University and will not be returned or forwarded to other institutions.

Current McGill University students are **not** required to send transcripts by mail. McGill's admitting office obtains these directly. All other applicants must make arrangements with their college and/or university to send official transcripts to McGill.

**2. Three Reference Letters**

- One from the Dean of your School
- Two letters of reference from the Dental professors (referees) who are familiar with your academic ability and who have agreed to provide references

Your referees can submit **either** a Reference Letter **or** a Confidential Reference Report. If your referees choose to submit a Confidential Report, then you should send them [Aj1.0.93.87i1.0.0.1.256.231.97.122.Tm\( a Confi333e Report. If your referees choose to](mailto:aj1.0.93.87i1.0.0.1.256.231.97.122.Tm(a.Confi333e.Rep)@1.248.585.97.122.Tm(or)Tj/nces)Tj0.Tw1.1)

*Reports* cannot be uploaded on Minerva as they need to be sent directly by your referees (see instructions above). The reports must be sent in PDF format directly by the referee via a professional email address to [marie.vigouroux@mcgill.ca](mailto:marie.vigouroux@mcgill.ca).

### **3. Personal Statement**

If applying to multiple sites, a separate personal statement is required for the MUHC Montreal Children's Hospital and should be addressed to: Dr. Jaime Greenspoon, Program Director (Department of Dentistry), 1040 Atwater Street, Montreal, QC, H3Z 1X3. **This letter must be uploaded in *Minerva***

- An *ad hoc* Fellowship in Maxillofacial Oncology and Microvascular Reconstruction. This fellowship is available for oral surgeons who wish to be involved in the treatment and rehabilitation of oral cancer patients. For more details about the fellowship, please contact the division's Student Affairs Coordinator, *Ms. Susan Young*, directly.

**section 9.4.4: Certificate (Cert.) Oral Surgery Internship**

The Division of Oral and Maxillofacial Surgery offers a 1-year Internship in Oral Surgery. The program is designed to allow dental graduates a chance to gain greater experience in dentoalveolar surgery and other oral surgical activities. The intern works closely with the OMFS residents throughout the year, sharing responsibilities with the junior OMFS residents.

**section 9.4.5: Certificate (Cert.) Oral and Maxillofacial Surgery (4-year program) (144 credits)**

The 4-year Certificate in Oral and Maxillofacial Surgery is a non-funded program and is only offered to candidates who are graduates of programs that have a contractual sponsorship agreement through the Faculty of Dentistry, McGill University, and is not open to all candidates.

**section 9.4.6: Certificate (Cert.) Oral & Maxillofacial Surgery (Integrated O.M.F.S. & M.D.,C.M.)**

McGill University, through the faculties of Medicine and Dentistry, offers a joint M.D.,C.M./OMFS Program. Upon successful completion of this 6-year program, students will receive an M.D.,C.M. degree from the Faculty of Medicine and a Certificate in Oral and Maxillofacial Surgery from the Faculty of Dentistry. The program is fully-accredited by the Commission on Dental Accreditation of Canada. The M.D.,C.M. degree is fully accredited by the Liaison Committee for Medical Education and the Council on Accreditation of Canadian Medical Schools.

**9.4.3 Oral and Maxillofacial Surgery Admission Requirements and Application Procedures**

**9.4.3.1 Admissions Requirements**

Please visit [www.mcgill.ca/dentistry/programs](http://www.mcgill.ca/dentistry/programs) or *contact the Faculty of Dentistry's Division of Oral and Maxillofacial Surgery* for admission requirements.

**9.4.3.2 Application Procedures**

McGill's online application form for program candidates is available at [www.mcgill.ca/applying](http://www.mcgill.ca/applying).

See [www.mcgill.ca/applying](http://www.mcgill.ca/applying) for detailed application procedures.



**Note:** All applications for OMFS programs must be completed *online*. Do **not** use uApply to apply, as this is a post-graduate program.

**Required Documents**

Applicants are **required** to use the *document upload feature on Minerva* to ensure their documents are added to their file. All documents can be uploaded except for letters of reference; these need to be sent in PDF format directly by the referees (using a professional email address) to [omfsprogram.dentistry@mcgill.ca](mailto:omfsprogram.dentistry@mcgill.ca). Do **NOT** mail or fax a copy of the documents that you have already uploaded to your application; doing so will slow down the review of your application.

Official copies of transcripts can be sent to the McGill Documentation Centre:

McGill University – Enrolment Services  
 Student Records  
 3415 McTavish Street  
 Room MS 13  
 Montreal QC H3A 0C8  
 CANADA

**Please be sure to include your McGill I.D. number on ALL supporting documents.**

**1. Official Transcripts of all previous university education**

Applicants may *upload* a copy of their unofficial transcript via Minerva. If offered admission, at that time, students must make arrangements with their college and/or university to send official transcripts to McGill.



**Important:** Official transcripts sent to McGill University become the property of the University and will not be returned or forwarded to other institutions.

Current McGill University students are **not** required to send transcripts by mail. McGill's admitting office obtains these directly. All other applicants must make arrangements with their college and/or university to send official transcripts to McGill.

**2. A Minimum of Three Reference Reports or Letters**

- One from the Dean of your Dental School



- One from an Oral and Maxillofacial Surgeon with whom you have worked or the Residency Program Director at your school
- One from a dental professional who is familiar with your academic ability and who has agreed to supply references

The reference letters must be sent in PDF format directly by the referee via a professional email address to [omfsprogram.dentistry@mcgill.ca](mailto:omfsprogram.dentistry@mcgill.ca).

### 3. CV and Letter of Intent



**Note:** All documents submitted to McGill University in support of an application to be admitted—including, but not limited to, transcripts, diplomas, letters of reference, and test scores (in paper or electronic format)—become the property of McGill University and will not be returned to the applicant or forwarded to another institution.

Make sure to include your name and McGill ID number with each submission.

#### 9.4.3.3 Application Deadlines

The application period starts on **August 1**; the application deadline is **September 1**.

#### 9.4.4 Certificate (Cert.) Oral Surgery Internship

The Oral Surgery Internship is a one-year certificate program to prepare students for admission to an Oral and Maxillofacial Surgery (OMFS) residence

DENT 584J2	(8)	Oral and Maxillofacial Surgery Training 4
DENT 584J3	(8)	Oral and Maxillofacial Surgery Training 4
DENT 585J1	(4)	Oral and Maxillofacial Surgery Clinical and Seminars
DENT 585J2	(4)	Oral and Maxillofacial Surgery Clinical and Seminars
DENT 585J3	(4)	Oral and Maxillofacial Surgery Clinical and Seminars

\* DENT 583J1, DENT 583J2 and DENT 583J3 together are equivalent to DENT 583.

#### 9.4.6 Certificate (Cert.) Oral & Maxillofacial Surgery (Integrated O.M.F.S. & M.D.,C.M.)

McGill University, through the Faculties of Dentistry and Medicine, and the McGill University Health Centre, offers an advanced education program in Oral and Maxillofacial Surgery. The program is fully accredited by the Canadian Dental Association Accreditation Committee. It is a six-year program and commences on July 1 of each year.

It is the intent of the program to develop both well-trained, practising oral and maxillofacial surgeons, and surgeons who pursue academic careers and research. All residents will also complete an M.D.,C.M. degree through the McGill School of Medicine. For the full M.D.,C.M. curriculum please refer to [www.mcgill.ca/study/faculties/medicine/undergraduate/programs/mdcm-doctor-medicine-and-master-surgery](http://www.mcgill.ca/study/faculties/medicine/undergraduate/programs/mdcm-doctor-medicine-and-master-surgery)

Currently the six-year M.D.,C.M. & OMFS program is only open to dentists who are Canadian citizens or permanent residents of Canada, and have graduated from an accredited North American dental school. Candidates for this program must possess a D.D.S. or D.M.D. degree or the equivalent and be eligible to obtain a limited dental license from the Ordre des dentistes du Québec. (A limited license can be issued by the Ordre des dentistes du Québec without prior testing of French language competency.)

### 9.5 Graduate and Postgraduate Programs

Some **postgraduate** programs are listed in the Professional section, under:

- [section 9.3: General Practice Residency Program](#)
- [section 9.4: Oral and Maxillofacial Surgery](#)

For information regarding other Graduate and Postgraduate programs, refer to the Faculty of Dentistry's [Graduate and Postdoctoral Studies](#) section.

### 9.6 Continuing Dental Education

The Faculty sponsors cours1 0.407 345.583 Tm(Contin)Tj.le.0.338 457.203 569.48 356.768r,DTj 356.768r,DTji5eTmsogssogssogssog(bec. (A lsuu 0 9.14.301 Tm(alA