QUEEN'S UNIVERSITY

APPLICATION REQUIREMENTS FOR A GRADUATE EDUCATION IN DENTISTRY



How to Use This Resource

Greetings!

Welcome to the Professional Program Prerequisite Project resource for Dentistry. We are a team of five students in the Bachelor of Health Science program who set out to research and compile application requirements for all health-related graduate programs across Canada.

As undergraduate students who are pre-med and pre-dent ourselves, we know how overwhelming and frustrating it can be to research application requirements for so many graduate programs, especially when the vast amount of information changes from year to year. Therefore, we did the hard work of doing the research for you, so you don't have to! You can treat this resource as your one-stop shop and launchpad for your graduate school application process.

This is the resource we wish we had when we were applying to graduate schools!

One thing we think you're going to find very valuable from this resource is the information about which Queen's Health Sciences and Arts and Sciences courses satisfy the prerequisite requirement for these schools. This is a unique and exclusive perk for our Queen's students.

In this document, you will find up-to-date, accurate information for the various Canadian graduate programs, last updated (Feb 8th, 2022). To navigate through the document, you can simply Ctrl + F or Command + F for keywords to find what you're looking for.

We are still in the development stages of the project, and we welcome collaboration from Queen's students to help make this project the best it can be. If you have any proposed edits or any changes you'd like to make, please fill out our contact form. We hope you find this resource helpful. Happy applying!

Sincerely,

The 4P Team



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Degree Type	Doctor of Dental Surgery (DDS)
Admission Rate	Total Applicants: 424 Total seats: 30 spots 27 Alberta Residents and 3 Non-Alberta Residents
Program Information	4-year Full-time Undergraduate Program (Didactic & Clinical)
Tuition	Annual Cost: \$38,000 – \$51,000 Total Cost: \$176,895
Degree/Academic Requirements	 Undergraduate Degree 60 transferable postsecondary credits (10 full-year course equivalents or 20 half-year course equivalents).
	 2. Completion Deadline May 31st
Full-Course Load Requirement (Undergrad)	Yes
GPA	Minimum: 3.5/4.0 Competitive: 3.85/4.0 Average: 3.94/4.0
GPA Calculations	• For applicants who have completed 4 or more years of full-time transferable postsecondary work, the cumulative GPA is calculated with the deletion of the lowest Fall/Winter GPA, provided it is not the most recent Fall/Winter or the only Fall/Winter where 30 credit units were taken.
Spring/Summer Term Courses Included in GPA Calculations	Yes
Subject Prerequisites	Required: 1. General Chemistry: 3 CU 2. Organic Chemistry: 3 CU 3. Biology: 3 CU 4. Microbiology: 3 CU 5. English: 6 CU 6. Statistics: 3 CU 7. Introductory Biochemistry: 3 CU 8. Human Physiology: 6 CU (PHGY 210 or equivalent)
Queen's Course Equivalents	Examples Required: 1. CHEM 112/113/114 2. CHEM 281 & 282 3. BIOL 102/103 4. MICR 270/271 5. ENGL 100

	6. HSCI 190 or STAM 200
	7. BCHM 218 or BCHM 270
	8. PHGY 215 & 216
	Please contact U of A to confirm course meets prerequisite
	requirements.
Online Courses Accepted	Yes
DAT	Required
	Specifications:
	Minimum score of 68/90
	Highest Score in past 24 months considered
	 Applicants <u>do not</u> need to complete MDT section
Other Required Tests	CASPer
	Minimum score varies annually based on applicant pool
	Snapshot
	10-minute one-way interview with standardized questions
Application Requirements	1. Autobiographical Sketch/Personal Experience
	Explanation on why candidate has chosen to pursue a
	career in dentistry
	2 page maximum
	2. Personal Essays/Statement
	Statement of candidate's greatest accomplishment
	and why it was chosen
	1 page maximum
Application Deadline	November 1 st
Contact Information	Email: admissions@dentistry.ualberta.ca
Contact Information	Phone: (708) 492-1319
Additional Information	Admission Requirements
	FAQ
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UNIVERSITY OF BRITISH COLUMBIA

Degree Type	Doctor of Dental Medicine (DMD)
Admission Rate	Total Applicants: 500-600 Total seats: 60 spots
Program Information	4-year Full-time Undergraduate Program (Didactic & Clinical)
Tuition	Annual Cost: \$58,783 Total Cost: \$236,000
Degree/Academic Requirements	1. Undergraduate DegreeMinimum 3-year Completed Degree
	2. Completion DeadlineAugust 31st 2022
Full-Course Load Requirement (Undergrad)	No However: Minimum of 18 CU taken during Fall/Winter, or 12 CU taken during Spring/Summer Terms
GPA	Minimum: 70% Average Competitive: 90% Average Average: 85% Average
GPA Calculations	Overall GPA is calculated on all transferable university level courses. For students who have completed 4 or more years, worst year is dropped so long as it is not the most recent year.
Spring/Summer Term Courses Included in GPA Calculations	Yes
Subject Prerequisites	Required: 1. English: 6 CU 2. General Chemistry: 6 CU 3. Biology: 6 CU 4. Organic Chemistry: 6 CU 5. Biochemistry: 6 CU Recommended courses are 300 level or higher: Physiology, Anatomy, Microbiology, Immunology, Genetics, Histology, Molecular Biology, Virology, Cell Biology, Pharmacology,
Our and Course	Embryology.
Queen's Course Equivalents	Examples Required: 1. ENGL 100 2. CHEM 112 3. BIOL 102 & BIOL 103 4. CHEM 281 & CHEM 282 5. BCHM 218/270

	Please contact UBC to confirm course meets prerequisite requirements.
Online Courses Accepted	Yes
DAT	Required Specifications:
	Highest Score in past 4 years considered
	 Applicants do not need to complete MDT section (optional)
Other Required Tests	N/A
Application Requirements	 1. Personal Experience Explanation on why candidate has chosen to pursue a career in dentistry 2 page maximum
	 2. Personal Statement Statement of candidate's greatest accomplishment and why it was chosen 1 page maximum 2 Letters of Reference
Application Deadline	October 8 th
Contact Information	Phone : (604) 822-7566
Additional Information	Admission Requirements FAQ Contact Us





Degree Type	Doctor of Dental Surgery (DDS)
Admission Rate	Total Applicants: 449 Total seats: 40 spots (preference given to permanent residents of the Atlantic provinces)
Program Information	4-year Full-time Undergraduate Program
Tuition	Annual Cost: \$27,849 Total Cost: \$111,39
Degree/Academic Requirements	 Undergraduate Degree Minimum 60 Credit Units of study Completion Deadline August 31st
Full-Course Load Requirement (Undergrad)	Unknown
GPA	Minimum: 3.7/4.0 Competitive: N/A Average: N/A
GPA Calculations	Please contact Dalhousie University for more information.
Spring/Summer Term Courses Included in GPA Calculations	Unknown
Subject Prerequisites	Required: 1. Biology: 6 CU + labs 2. Chemistry: 6 CU + labs 3. Physics: 6 CU + labs 4. Organic Chemistry: 6 CU + labs 5. Biochemistry: 3 CU (minimum) 6. Microbiology: 3 CU 7. Vertebrate Physiology: 6 CU 8. Writing: 6 CU 9. Social Sciences/Humanities: 12 CU Click here for more information on subject prerequisites.
Queen's Course Equivalents	Examples Required: 1. BIOL 102/103 2. CHEM 112 3. PHYS 117 4. CHEM 281/282 5. BCHM 218/270 6. MICR 221/270/271/290 7. PHGY 215/216 8. WRIT 120/125/175

	Please contact Dalhousie University to confirm course meets prerequisite requirements.
Online Courses Accepted	Unknown
DAT	Required
	Specifications:
	Minimum Score: 15 on each component
	Average Score: 19 on each component
Other Required Tests	None
Application Requirements	 Supplemental Information Form Outline work/volunteer experience Group activities Accomplishments References 3 confidential evaluations 1 must be a university instructor 2 must be a non-relative whom the applicant has worked or volunteered with
Application Deadline	December 1 st
Interview Schedule	N/A
Contact Information	Email: admissions.dentistry@dal.ca Phone: (902) 494 - 2824
Additional Information	Admission Requirements Contact Us





UNIVERSITY OF MANITOBA

Degree Type	Doctor of Dental Medicine (DMD)
Admission Rate	Total Applicants: 261 applicants (117 Interviews) Total seats: 29 spots (25 Manitoba residents)
Program Information	4-year Full-time Undergraduate Program
Tuition	Annual Cost: \$24,000 Total Cost: \$96,000
Degree/Academic Requirements	 1. Undergraduate Degree 60 Credit Units Completed Minimum of 2 Regular Fall/Winter sessions 2. Completion Deadline
	End of April Examinations
Full-Course Load Requirement (Undergrad)	N/A
GPA	Minimum: 4.0 (Out of Province); 3.75/4.0 (In Province) Competitive: 3.60-3.80/4.0 Average: N/A
GPA Calculations	 1. Cumulative GPA 2 times the average on core courses plus 3 times the average on the best year plus 1 time the average on each remaining full academic year of studies, divided by 6. Average of worst academic year will be dropped.
Spring/Summer Term Courses Included in GPA Calculations	No Discourse of the control of the c
Subject Prerequisites	Required: 1. Introductory Chemistry: 6 CU 2. Organic Chemistry: 6 CU 3. Biochemistry: 6 CU 4. Physics: 6 CU 5. Biology: 6 CU 6. English: 6 CU 7. Social Sciences/Humanities: 6 CU
	Click <u>here</u> for more information on subject prerequisites.
Queen's Course Equivalents	Examples Required: 1. CHEM 112
	1. CHEM 112 2. CHEM 281/282 3. BCHM 218/270 4. PHYS 117 5. BIOL 102/103

	Please contact U of M to confirm course meets prerequisite requirements.
Online Courses Accepted	Yes
DAT	Required
	Specifications:
	Must be written before November 8 th
	Minimum DAT average (Manitoba):
	• 2020: 18.75
	• <i>2019</i> : 18.50
	Minimum DAT average (Out of province):
	• <i>2020</i> : 22.50
	• 2019: 21.75
Other Required Tests	N/A
Application Requirements	 1. Autobiographical Sketch Explanation on why candidate merits spot in program 800 word maximum
Application Deadline	January 15 th
Interview Schedule	Contacted end of March
Contact Information	Email: admissions@umanitoba.ca
	Phone : (204) 789-3631
Additional Information	Admission Requirements
	<u>Contact Us</u>





Degree Type	Doctor of Dental Medicine (DMD)
Admission Rate	Total Applicants: N/A Total seats: 38 spots (30 Quebec residents)
Program Information	4-year Full-time Undergraduate Program
Tuition	Annual Cost: \$18,000-\$39,000 Total Cost: \$104,234 (non-Quebec Canadians)
Degree/Academic Requirements	 Undergraduate Degree Minimum 4-year 120 CU completed Bachelor Degree Completion Deadline July 31st 2022
Full-Course Load Requirement (Undergrad)	Yes
GPA	Minimum: 3.5/4.0 Competitive (Matriculant cGPA): Non-Québec Canadiens: 3.92/4.0 Québec: 3.83/4.0 International: 3.73/4.0
GPA Calculations	Please contact McGill University for further information.
Spring/Summer Term Courses Included in GPA Calculations	Yes
Subject Prerequisites	Required: 1. Biology: 6 CU + labs 2. General Chemistry: 6 CU 3. Organic Chemistry: 3 CU 4. Physics: 6 CU (3CU of Calculus can contribute to 6 CU) Click here for more information on subject prerequisites and application requirements.
Queen's Course Equivalents	<u>Examples</u>
	Required: 1. BIOL 102/103 2. CHEM 112 3. CHEM 281 4. PHYS 117/206/212/213/216 and/or MATH 123/124
	Please contact McGill University to confirm course meets prerequisite requirements.

DAT	Required
	** Not required as of Fall 2021 (temporary measure due to COVID-19 pandemic)
Other Required Tests	 CASPer Minimum score varies annually based on applicant pool Must be completed prior to application deadline
Application Requirements	1. Academic Transcripts
	 Academic History Workbook Assessment of academic strength based upon one's
	undergraduate (Bachelor's degree) record 3. Curriculum Vitae and List of Verifiers
Application Deadline	undergraduate (Bachelor's degree) record
Application Deadline Interview Schedule	undergraduate (Bachelor's degree) record 3. Curriculum Vitae and List of Verifiers
	undergraduate (Bachelor's degree) record 3. Curriculum Vitae and List of Verifiers November 3 rd Multiple Mini Interviews





University of Saskatchewan

Degree Type	Doctor of Dental Medicine (DMD)
Admissions	Total seats: 34 spots
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Program Information	4-year full-time undergraduate program
Tuition	Annual Cost: \$37,838
	Total Cost: \$151,35
Degree/Academic	1. Undergraduate Degree
Requirements	Minimum completion of three 30 CU academic years
	2. Completion Deadline
	April 30 th
Full-Course Load	Yes
Requirement (Undergrad)	
GPA	Minimum: 75% (best two years), 70% (total average)
	Competitive: 88.40%
	Average: 89.54% (out of province), 83.26% (Saskatchewan)
GPA Calculations	Cumulative GPA
	Minimum average of 75% is required over the 2 best
	academic years of study.
Spring/Summer Term	Yes
Courses Included in GPA	
Calculations	
Subject Prerequisites	Required: 1. Biology: 6 CU
	2. Chemistry: 6 CU
	3. Physics: 3 CU
	4. Biochemistry: 6 CU
	5. Physiology: 6 CU
	6. Nutrition: 3 CU
	7. Microbiology: 3 CU
	8. Social Sciences/Humanities: 3 CU
	Click here for more information on subject prerequisites.
Queen's Course	
Queen's Course Equivalents	Examples
Lyuivaiciits	Required:
	1. BIOL 102/103
	2. CHEM 112
	3. PHYS 117/206/212/213/216
	4. BCHM 218/270
	5. PHGY 170/215/216/290
	6. HLTH 131/230
	7. MICR 221/270/271/290

	Please contact U of S to confirm course meets prerequisite requirements.
Online Courses Accepted	Yes
DAT	Required
	Specifications:
	Taken in the last three years
	Best score will be used
	Minimum Academic Average Score: 15
	Minimum Perceptual Ability Score: 14
	Minimum Reading Comprehension Score: 14
	Accepted DAT Averages:
	Saskatchewan residents: 17.33 (2018), 17.00 (2017) 17.67 (2016)
	Out of Province applicants: 18.00 (2018), 21.00 (2017) 19.67 (2016)
Other Required Tests	CASPer
Application Possiroments	Minimum Score: Varies annually based on applicant pool Autobiographical Sketch
Application Requirements	Explanation of why a candidate has chosen to pursue a
	career in dentistry
	2 page maximum
	2. Interview
	Multiple Mini Interviews (MMIs)
	3. Criminal Record Check
Application Deadline	December 1 st
Interview Schedule	Not Available
Contact Information	Email: dentistry.admissions@usask.ca
	Phone: (306)-966-5117
Additional Information	Admission Requirements
	Contact Us





UNIVERSITY OF TORONTO

Degree Type	Doctor of Dental Surgery (DDS)
Admissions	Total seats: 96 spots
Program Information	4-year full-time undergraduate program (Didactic & Clinical)
Tuition	Annual Cost: \$48,535 Total Cost: \$194,140
Degree/Academic Requirements	 Undergraduate Degree Minimum 3 years of university education Completion Deadline May 31st 2022
Full-Course Load Requirement (Undergrad)	None
GPA	Minimum: 3.0/4.0 Competitive: 3.85/4.0 Average: 3.94/4.0
GPA Calculations	 Cumulative GPA The worst academic year will be dropped if the applicant has completed 4 or more years of university education by May 31st and if the year with lowest grade is not applicant' last year of study.
Spring/Summer Term Courses Included in GPA Calculations	Unknown
Subject Prerequisites	Required: 1. Biochemistry: 6 CU 2. Mammalian Physiology: 6 CU 3. Life Sciences: 12 CU 4. Humanities or Social Science: 6 CU Click here for more information on subject prerequisites.
Queen's Course Equivalents	Examples
<u> </u>	Required: 1. BCHM 218/270 2. PHGY 170/215/216 3. ANAT 100/101; BIOL 102/103; MICR 270/271; PHAR100/230 4. SOCY 122/200; ECON 110/111/112; POLS 101/110; GNDS 120/125 Please contact U of T to confirm course meets prerequisite
	requirements.

DAT	Required
	Specifications:
	Highest Score in past 24 months considered
	Applicants do not need to complete MDT section
	Mean Academic Average Score: 23.0
	Minimum Academic Average Score Given Admission: 18.0
	Mean Perceptual Ability Test: 21.0
	Minimum Perceptual Ability Score Given Admission: 16.0
Other Required Tests	CASPer
	Minimum Score: varies annually based on applicant pool
Application Requirements	 1. Personal Statement Written explanation of why candidate is pursuing a career
	in dentistry2 page maximum
	 2. Greatest Accomplishment Written description of candidate's greatest accomplishment and why it was chosen 1 page maximum
Application Deadline	November 1 st
Interview Schedule	 Modified Personal Interview February 6th (12-13th 2021-2022 cycle) March 7th March 21st
Contact Information	Email: admissions@dentistry.utoronto.ca
	Phone: (416) 864-8113
Additional Information	Admission Requirements FAQ
	<u>Contact Us</u>





UNIVERSITY OF WESTERN ONTARIO

Degree Type	Doctor of Dental Surgery (DDS)
Admissions	Total seats: 56 spots
Program Information	4 year full-time undergraduate program
Tuition	Annual Cost: \$37,000 – \$58,000 Total Cost: \$193,032
Degree/Academic Requirements	 Undergraduate Degree Applicants must have completed, or be in their final year of a program leading to a 4-year undergraduate degree. Prerequisites courses can be taken at any time but must be completed by April 30th of the year of entry.
	 2. Completion Deadline • June 30th
Full-Course Load Requirement (Undergrad)	Unknown
GPA	Minimum: 80% Average Competitive: 88.46% Average Average: 88.28% Average
GPA Calculations	 Cumulative GPA The 2 best years of applicant's degree will be used for the academic average. Both years being used must contain a full course load from September to April (30 credit hours). Part-time years cannot be considered for academic average.
Spring/Summer Term Courses Included in GPA Calculations	No le
Subject Prerequisites	Required: 1. Organic Chemistry: 3 CU 2. Mammalian Physiology: 3 CU 3. Biochemistry: 6 CU Applicants must display a minimum grade of 74.5% or a "B" in all prerequisite courses.
Queen's Course Equivalents	Examples Required: 1. CHEM 281/282/285 2. PHGY 170/215/216 3. BCHM 218/270

	Please contact Western University to confirm course meets
	prerequisite requirements.
Online Courses Accepted	Yes (completed from September to April)
DAT	Required
	Score Averages Based on Class of 2025
	Mean Academic Average Score: 88.28%
	Mean DAT Reading Comp: 21.0
	Mean Perceptual Ability Score Given Admission: 21.0
Other Required Tests	Physiology Challenge Exam
	 Candidates invited for an interview who have not
	completed, or are not expected to complete, an approved physiology course by April 30 will be required to take the Physiology Challenge Exam during interview weekend.
Application Requirements	1. Autobiographical Sketch
	Written explanation of why candidate is pursuing a career
	in dentistry
	2 page maximum
	2. Personal Statement
	Written explanation of candidate's greatest
	accomplishment and why it was chosen
	1 page maximum
Application Deadline	December 1 st
Interview Schedule	Modified Personal Interview
	 Interviews are based on holistic assessment of the
	applicant's academic and non-academic achievements.
	 Interviews will be 30-minutes duration, structured and
	standardized, and conducted by a three-person panel
	consisting of a dentist, a community member, and a senio student
Contact Information	Email: admissions.dentistry@schulich.uwo.ca Phone: (519) 661-3744
Additional Information	Admission Requirements
Additional information	FAQ
	Contact Us
	Contact of



GLOSSARY

CASPer:

An online, open-response computerized situational judgment test composed of 12 sections. Each section contains a video-based or written scenario and three open-ended questions. Test takers have five minutes to respond to all three questions and 60-90 minutes to complete the entire test (optional 10-minute break). The test assesses skills like collaboration, communication, empathy, equity, ethics, motivation, problem solving, professionalism, resilience, and self-awareness.

Confidential Assessment Form (CAF):

Every referee must fill out a Confidential Assessment Form (CAF) that asks them to respond to the following questions:

- 1. Would this applicant make a good physician?
- 2. Rate the applicant on each of the following attributes:
 - i. Communication skills
 - ii. Problem-solving skills
 - iii. Professionalism (e.g., commitment to ethical practice, standards of behaviour and accountability to others)
 - iv. Empathy (e.g., demonstrating consideration of others' perspectives)
- 3. Identify and comment on 1 area of improvement for the applicant.
- 4. Share any other information you feel may be relevant to a medical school's admission committee.

Credit Hours

Measured in credit units.

Credit Units (CU)

A credit unit is given to a student upon completion of a course of study. At Queen's, a one semester course yields 3 CU, while a two semester, or full-year course yields 6 CU.

Cumulative GPA (cGPA)

An average of averages, combining all semester GPAs into a single, overall GPA.

Resource: <u>Cumulative GPA Calculator</u>

Dental Aptitude Test (DAT)

Sections of the DAT include:

- Survey of Natural Sciences
- Perceptual Ability Test
- Reading Comprehension Test
- Manual Dexterity Test

Full Course Load

A full course load is defined as 5 courses or the equivalent of 15 CU taken for one semester, and 10 courses, or 30 CU, taken for one full year of study.

Modified Person Interview

A series of semi-structured and open-ended brief interviews with a one-on-one interaction with a single interviewer. The questions are asked in a similar style to a panel interview, but the format more closely aligns with a multiple mini interview. The interviewer is free to ask unprompted questions. Each "interview station" focuses on one of the following categories:

- Getting to know the applicant and their achievements
- Assessing an applicant's ability to evaluate an ethical dilemma
- Applicants engage in self-reflection about past experiences

Multiple Mini Interview

A series of short interview stations in which the candidate is asked a question or given scenario before entering a room. The candidate has a limited time to both prepare their answer and deliver the answer to the interviewer. The number of stations vary. Candidates are assessed on non-cognitive qualities such as cultural sensitivity, maturity, teamwork, empathy, reliability, and communication skills.

Panel Interview

Typical interview style with multiple interviewers and multiple questions.

Weighted GPA (wGPA)

- A weighted GPA is calculated after adding extra points for any honors or Advanced Placement courses. For example: a letter grade of "A" in courses such as these would receive 5 points rather than 4, while a letter grade of "B" would receive 4 points rather than 3. In this calculation the overall GPA can exceed 4.0.