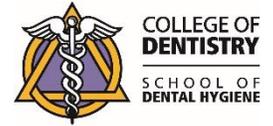




UNIVERSITY  
OF MANITOBA

**Dr. Gerald Niznick  
College of Dentistry**



## **Essential Skills and Abilities for Admission, Promotion and Graduation in the DMD Program**

All matters concerning 'professionalism' are governed by the Dr. Gerald Niznick College of Dentistry Professional Unsuitability Bylaw and those concerning other listed skills and abilities are governed by the Dr. Gerald Niznick College of Dentistry Essential Student Abilities Bylaw.

### **Preamble**

As an accredited Canadian dental program, the Dr. Gerald Niznick College of Dentistry at the University of Manitoba is responsible for providing a program of study that ensures graduates have the necessary qualifications (academic knowledge, clinical skills, and professional behaviors and attitudes) to enter the regulated profession of Dentistry in Canada. Becoming and being a dentist requires a wide range of highly specialized skills and abilities. Some of these are taught in dental school, while others must be brought by the individual as an innate set of essential skills and abilities. The criteria for becoming registered/ licensed as a dentist in Canada requires a level of motor skills and other attributes that are not necessary in other professional occupations. Similarly, the ability to provide reasonable accommodation for special learning needs in dentistry may not be the same as it is for other academic programs. For example, patient safety concerns with restorative and surgical procedures preclude the ability to accommodate additional time to complete, and assess, student clinical procedures. This document describes the skills and abilities required for success in completing the dental program. Students interested in becoming a dentist must review this document.

It is important to note that an offer of admission to the Dr. Gerald Niznick College of Dentistry is not evidence that the dental program has verified that an applicant has the prerequisite skills and abilities for success in the program. However, these skills and abilities are essential if students are to be successful in achieving the competency standards of the profession. Further, in order to be registered/licensed as a dentist in Canada, individuals **must successfully complete** the Written Examination and Objective Structured Clinical Examination (OSCE) administered by the National Dental Examining Board of Canada (NDEB). As such, the skills and abilities required to successfully complete the NDEB exams are included as skills required in the program. The Written Examination is comprised of two 150-minute multiple-choice examination sessions held in the morning and afternoon of one day. The OSCE is a station type examination where candidates have 5 minutes to answer the questions asked at each station. The OSCE is also held in the morning and afternoon of one day.

For progression in, and graduation, from the dental program, all students must conduct themselves in a professional manner, and must have the Essential Skills and Abilities (Technical Standards) discussed under the following five broad areas:

- Observation/perception
- Communication
- Motor/tactile function
- Cognition
- Emotional functioning

**All applicants to the undergraduate program of the Dr. Gerald Niznick College of Dentistry are expected to review this document to assess their ability to meet these standards; all applicants offered admission will be required to acknowledge such review and assessment.** Any candidate for the DMD degree who cannot demonstrate the required skills and abilities throughout their course of study may be requested to withdraw from the program.

## **Essential Skills and Abilities**

An applicant to the DMD program and a candidate for the DMD degree must reasonably expect that while enrolled in the undergraduate dental program he or she will be able to demonstrate an appropriate degree of professionalism, and will be able to demonstrate the following skills and abilities:

### **Professionalism**

Students are obligated to act with integrity and diligence in carrying out their professional responsibilities, and their behavior and conduct in relation to others must be characterized by consideration, respect and good faith.

## **Technical Standards**

### **(1) Observation/Perception**

A student must be able to participate in learning situations and acquire information through observation and perception by the use of senses and mental abilities. In particular, a student must participate progressively in patient encounters and acquire information through acute visual and tactile sensation.

### **(2) Communication**

A student must be able to speak, hear and write proficiently in the English language, and to observe individuals and groups of individuals in order to effectively and efficiently elicit and clarify information. The student must be able to progressively create rapport and develop therapeutic relationships with patients, and establish effective communication with all members of the dental school community and other healthcare teams. A student must be able to coherently summarize and effectively communicate a patient's condition and management plan verbally, and in written and electronic forms.

### **(3) Motor/Tactile Function**

A student must possess sufficient motor function to develop the skills required to safely perform fine diagnostic, preventive, restorative (e.g. fillings) and surgical procedures on a patient. These procedures must be done independently and competently in a timely fashion to minimize the risk to patient safety. A student must possess fine motor function and sensory function in order to be able to use common dental instrumentation including for example, an explorer, syringe, dental hand piece (drill) and surgical scalpel.

### **(4) Cognition**

A student must demonstrate higher-level cognitive abilities necessary to measure, to calculate, and to reason in order to conceptualize, analyze, integrate and synthesize information. The student must be able to comprehend dimensional and visual-spatial relationships. All of these problem-solving activities must be achieved progressively in a timely fashion and must contribute to sound judgment based upon clinical and ethical reasoning.

### **(5) Emotional Functioning**

A student must be able to tolerate the physical, emotional, and mental demands of the program and function effectively under stress. It is necessary to be able to adapt to changing environments, and to function in the face of uncertainties that are inherent in the care of patients. Decisions and procedures must be completed in a timely manner in order to maximize patient outcomes and minimize risks to patient safety.

## Student Acknowledgement

**I acknowledge that I have read this document carefully, that I have assessed my ability to meet the standards, and that I anticipate that I am able to meet the described essential skills and abilities for admission to, promotion in and graduation from the DMD program.**

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Student Name *(Please Print)*

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Permanent Address

Telephone

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Signature

Date

*Form to be returned to:*

*Ms. Jean Lyon*

*Admissions & Recruitment*

*Dr. Gerald Niznick College of Dentistry*

*University of Manitoba*

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