

UNIVERSITY OF MINNESOTA

**SCHOOL OF DENTISTRY
DIVISION OF DENTAL HYGIENE**

**BACHELOR OF SCIENCE IN DENTAL HYGIENE
INFORMATION GUIDE
2019-2020**



**Program in Dental Hygiene
School of Dentistry**

The Profession

Dental hygiene today is an exciting profession with opportunities for employment and professional growth. It is a career that is socially significant, professionally challenging, and personally rewarding.

Dental hygienists are licensed healthcare professionals who are skilled in preventing diseases such as dental caries (cavities), periodontal (gum) disease and oral cancer through education and treatment. The dental hygienist is a clinician, an educator, a researcher, a change agent, a consumer advocate, and a manager. A dental hygienist with a baccalaureate degree is prepared to assume roles in many different health care environments such as general and specialty practices, public schools, community health clinics, insurance companies, dental hygiene educational programs, extended care facilities, and in the health products industry.

Minnesota Dental Hygiene Scope of Practice Duties Under General Supervision:

- complete prophylaxis to include scaling, root planning, and polishing of restorations;
- preliminary charting of the oral cavity and surrounding structures to include case histories, perform initial and periodic examinations and assessments to determine periodontal status, and formulate a dental hygiene treatment plan in coordination with a dentist's treatment plan,
- dietary analysis, salivary analysis, and preparation of smears for dental health purposes;
- etch appropriate enamel surfaces, application and adjustments of pit and fissure sealants;
- removal of excess bond material from orthodontic appliances;
- replacement, cementation, and adjustment of intact temporary restorations
- removal of marginal overhangs;
- make referrals to dentists, physicians, and other practitioners in consultation with a dentist;
- administer local anesthesia
- administer nitrous oxide inhalation analgesia.

Duties under indirect supervision. A dental hygienist may perform restorative procedures as permitted under Minnesota Statutes, section 150A.10, subdivision 4, if a dentist is in the office, authorized the procedures, and remains in the office while the procedures are being performed.

Duties under direct supervision. A dental hygienist may perform the following procedures if a dentist is in the office, personally diagnoses the condition to be treated, personally authorizes the procedures, and evaluates the performance of the dental hygienist before dismissing the patient.

- etch appropriate enamel surfaces before bonding of orthodontic appliances by a dentist;
- remove temporary crowns with hand instruments only;
- fabricate, cement, and adjust temporary restorations;
- place and remove matrix bands;
- remove bond material from teeth with rotary instruments after removal of orthodontic appliances;
- attach prefabricated and preadjusted orthodontic appliances; and
- remove fixed orthodontic bands and brackets.

The Program

The University of Minnesota dental hygiene program is recognized as one of the outstanding programs in the country. Here, the curriculum blends a solid dental hygiene clinical education with the biological, behavioral, and social sciences as well as the liberal arts.

The dental hygiene program was established at the University of Minnesota in 1919 and is fully accredited by the American Dental Association Commission on Dental Accreditation. It is the only program in Minnesota that offers a Bachelor of Science degree in dental hygiene that is affiliated with a school of dentistry and a major academic health center.

The University of Minnesota began a new accelerated dental hygiene program in the fall of 2006, which allows students to earn their Bachelor of Science degree in three years, rather than completing the traditional four-year program. Students complete one year of pre-requisite college courses and six consecutive semesters of professional courses. The year-round program allows maximum opportunities for those who are eager to start their dental hygiene careers or further their education in graduate school.

To become a dental hygienist, you must complete a minimum of one year of pre-requisite coursework in anatomy, physiology, biology, chemistry, composition, psychology, sociology, statistics, and other liberal arts education courses. This is followed by two years of professional coursework in the basic sciences and dental sciences. The professional program also includes courses in preclinical and clinical dental hygiene; communication skills; patient assessment; cariology and periodontology; oral radiology; pharmacology; local anesthesia and pain control; research methods; pediatric and geriatric dentistry. A wide range of theoretical and clinical experiences in treating traditional and special-needs patients is provided. Our simulation clinic and laboratory provide state-of-the-art education for both dental hygiene, dental therapy and dental students. Students also participate in a number of service-learning experiences at community-based clinics, which serve diverse populations. A minimum of eight weeks of academic service-learning rotations at School of Dentistry Outreach clinics is required for graduation.

In 2008, the School of Dentistry, Division of Dental Hygiene began a **Master of Science in Dental Hygiene** program. The Master of Science in Dental Hygiene program prepares leaders in the profession for careers in academia, the healthcare industry and research.

Courses in the **management track** provide students with the knowledge and skills necessary for positions in the healthcare industry such as sales representatives, managers of marketing and professional relations divisions; managers of large dental clinics; practice management consulting; and entrepreneurship.

Courses in the **dental hygiene education track** provide students with the knowledge and skills to teach didactic, clinic, and laboratory courses in dental hygiene programs, conduct research, and assume administrative positions. This track is offered online.

Licensure

Upon receipt of the Bachelor of Science degree in Dental Hygiene, you must obtain a license for the state in which you wish to practice by successfully completing a state/regional practical examination, as well as the National Dental Hygiene Board Examination. You will then practice in accordance with the requirements of individual state practice acts. Minnesota requires a specified number of hours of continuing education to maintain licensure.

Career Prospects

Excellent and varied career opportunities exist for you. The entry-level salary for dental hygienists in Minnesota compares favorably with that of other healthcare professions.

The University

The University of Minnesota is a major research institution and the state's land-grant university. It comprises four campuses throughout the state, the Twin Cities being the largest. Students who come to the University choose from nationally recognized programs taught by the finest faculty available. There are five libraries on campus and teaching and research facilities are state-of-the-art. The academic health center offers the optimal setting for pursuing a career in the field of healthcare.

Contact Information

Office of Admissions, School of Dentistry
15-163 Moos Tower
515 Delaware Street S.E.
Minneapolis, MN 55455
612-625-7477

Email general admissions questions to: dhapply@umn.edu
or Morgan McClellan at: mcclella@umn.edu
School of Dentistry website: <http://www.dentistry.umn.edu/>

The University of Minnesota is an equal opportunity educator and employer.

This publication is available in alternate forms on request.
Please call the Office of Admissions at (612) 625-7477.

**DIVISION OF DENTAL HYGIENE
SCHOOL OF DENTISTRY
UNIVERSITY OF MINNESOTA**

DIVISION GOALS

- Goal I: To prepare dental hygiene healthcare professionals who promote the values of optimal oral health care as related to general health.
- Goal II: To provide a competency-based educational program.
- Goal III: To provide patient-centered, comprehensive, evidence-based dental hygiene care.
- Goal IV: To provide advanced education opportunities for graduate dental hygienists.
- Goal V: To provide continuing education experiences/courses for graduate dental hygienists.
- Goal VI: To conduct/participate in research that contributes to the dental hygiene body of knowledge.
- Goal VII: To prepare graduates who provide culturally competent care.
- Goal VIII: To provide students with opportunities for academic service learning and oral health promotion in the community.
- Goal IX: To prepare graduates for roles as leaders, organizers and advocates in the dental hygiene profession.

**UNIVERSITY OF MINNESOTA
SCHOOL OF DENTISTRY
DIVISION OF DENTAL HYGIENE**

ADMISSION REQUIREMENTS

HIGH SCHOOL COURSE PREPARATION

For the Twin Cities, Morris, and Rochester campuses, the minimum academic requirements must include:

1. **ENGLISH** - Four years, including writing, literature, and speech. Within the writing component, students may elect work in composition, creative writing, journalism, or research writing. Literature may include both American and world literatures; speech may include both public speaking and debate.
2. **MATHEMATICS**
 - a. For students seeking admission before fall 2015: Three years consisting of two years of algebra, one of which must be intermediate or advanced algebra, and one year of geometry.
 - b. For student seeking admission fall 2015 and thereafter: Four years, including two years of algebra, one of which must be intermediate or advanced algebra, and one year of geometry.
3. **SCIENCE** - Three years, including at least one course each in the biological and physical sciences, and all three units to incorporate significant laboratory experience. The biological and physical science requirements would most commonly be met by courses in biology, chemistry, and physics. Other courses could include advanced biology, human anatomy and physiology, botany, zoology, geology, and advanced chemistry and physics.
4. **SOCIAL STUDIES** - Three years, including one year each of geography and American history. Geography need not always be taught as a full year course, and may in fact be incorporated in a significant way into other studies; transcripts should indicate specifically which courses meet the geography requirement.
5. **WORLD LANGUAGE** - Two years of a single second language. Language courses may include both those traditionally taught in high schools (for example, Spanish, French, German), as well as those less frequently taught.
6. **ARTS** - One year in the visual or performing arts. It is expected that all arts courses (including band and chorus) will include instruction in the history and critical interpretation of the art form. Courses in the arts should offer students the opportunity to experience the arts directly as creators/performers and as critical, informed observers.

All High School preparation requirements must be completed **prior to entry** into the Dental Hygiene program.

GPA REQUIREMENTS

Applicants must have a minimum 2.8 cumulative GPA, a minimum 2.5 pre-requisite and science GPA, and a minimum of a C grade in any individual pre-requisite course to be considered for admission. Acceptance is based on evaluation of primary and secondary admission characteristics.

REQUIRED ENTRANCE TEST

Applicants are required to take the ACT examination (SAT may be substituted) and submit the composite score and sub-scores with their application materials.

EXCEPTION:

- If an applicant has achieved attainment of a Baccalaureate Degree (including foreign students), the ACT (or SAT) is NOT required.

For information about taking the ACT go to: www.actstudent.org. View “find a test center” to enter information for Minnesota and city of choice. Test dates will appear after search.

Phone: 319-337-1270.

U of M Test Code: 2156

For information about taking the SAT go to: www.collegeboard.com/student/testing/sat/reg.html

Phone: 866-756-7346

U of M Test Code: 6874

PRE-PROFESSIONAL REQUIRED COURSES

The following University of Minnesota courses, or their equivalents at other accredited institutions, must be completed **prior** to entry into the professional dental hygiene program (by August 15 of year of entry into the professional program). All pre-requisite courses must be taken on an **A-F grading system**. Use the following information in conjunction with the Admission Requirement Information also included in this packet. **Biology and Chemistry must be taken within five years of entry into the program and one or the other must be completed prior to application so grades are on the transcript submitted at the time of application. Applicants must have a minimum 2.8 cumulative GPA, a minimum 2.5 pre-requisite and science GPA, and a minimum of a C grade in any individual pre-requisite course to be considered for admission.**

ANATOMY

ANAT 3001 Human Anatomy, 3 cr. **OR** ANAT 3601 Principles of Human Anatomy, 3 cr. **OR** ANAT 3611 Principles of Human Anatomy, 3 cr.

ANAT 3001 Human Anatomy, 3 cr
Survey of human anatomy with some clinical and functional correlations.
(Fulfills liberal education requirement).

ANAT 3601 Principles of Human Anatomy, 3 cr.
Anatomical relationships. Function based upon form. Clinical applications.
Gross (macroscopic) anatomy, histology (microscopic anatomy).
Neuroanatomy (nervous system), embryology (developmental anatomy).
(Fulfills liberal education requirement).

ANAT 3611 Principles of Human Anatomy, 3 cr.
Anatomical relationships. Function based upon form. Clinical applications.
Gross (macroscopic) anatomy, histology (microscopic anatomy).
Neuroanatomy (nervous system), embryology (developmental anatomy).
This course is identical to ANAT 3601. **(Fulfills liberal education requirement).**

BIOLOGY

BIOL 1009 General Biology, 4 cr. **(course must include a laboratory)**
Introduction to major concepts of modern biology. Topics include molecular structure of living things, energy recruitment and utilization, flow of genetic information through organisms and populations, principles of inheritance, ecology, and evolution. **(Fulfills liberal education requirement).**

CHEMISTRY

CHEM 1015 Introductory Chemistry (3 cr) and 1017 (1 cr) OR CHEM 1061 Chemical Principles I (PHYS) (3 cr) and 1065 (1 cr). **Lab Required.**

CHEM 1015 Introductory Chemistry
Matter/energy, atoms, compounds, solutions, chemical reactions, mole/chemical calculations, gases, liquids, solids, chemical bonding, atomic/molecular structure, acids, bases, equilibria. Physical/chemical properties
Matter/energy, atoms, compounds, solutions, chemical reactions, mole/chemical calculations, gases, liquids, solids, chemical bonding, atomic/molecular structure, acids, bases, equilibria. Physical/chemical properties of hydrocarbons and organic compounds. Problem solving.
(Fulfills liberal education requirement).

CHEM 1061
Atomic theory, periodic properties of element. Thermochemistry, reaction stoichiometry. Behavior of gases, liquids, and solids. Molecular/ionic structure/bonding. Organic chemistry and polymers. Energy sources, environmental issues related to energy use. **(Fulfills liberal education requirement).**

COMPOSITION

WRIT 1301 University Writing, 4 cr.
Drafting, revising, editing. Academic genres. Critical reading, rhetorical analysis for principles of audience, purpose, and argumentative strategies. Emphasizes electronic print library. Critical Analysis, annotated bibliography, research paper. **(Fulfills liberal education requirement).**

PHYSIOLOGY

PHSL 3051 Human Physiology, 4 cr

PHSL 3051 How major organ systems function (nerve, muscle, circulation, respiration, endocrine, renal, gastrointestinal, temperature regulation and

energy metabolism). Three one-hour lectures, two-hour lab. **(Fulfills liberal education requirement).**

PSYCHOLOGY PSY 1001 Introduction to Psychology, 4 cr.;

PSY 1001 Introduction to Psychology.
Scientific study of human behavior. Problems, methods and findings of modern psychology to beginning students.
(Fulfills liberal education requirement).

SOCIOLOGY SOC 1001 Introduction to Sociology, 4 cr.

SOC 1001 Introduction to Sociology
Scientific study of human societies/ behavior. Major theories, methods, concepts, and research findings. Examination of the characteristics of the basic social units, their patterns of interrelation, and processes of change.
(Fulfills liberal education requirement).

STATISTICS STAT 1001 Introduction to the Ideas of Statistics (MATH) 4 cr

STAT 1001 Introduction to the Ideas of Statistics (MATH)
Graphical/numerical presentations of data. Judging the usefulness/reliability of results/inferences from surveys and other studies to interesting populations. Coping with randomness/variation in an uncertain world.
(Fulfills liberal education requirement).

ADMISSION CRITERIA

All applicants are considered for admission based on individual review of their credentials using the following primary and secondary review factors:

Primary Factors:

Because academic preparation is key to student success in college, the strongest consideration in the decision is given to student's academic preparation, or primary review factors.

- Coursework through high school graduation. (Admitted students typically exceed the University's high school requirements. [See course requirements](#))
- Grades in academic coursework
- Class rank/Grade point average
- ACT or SAT scores
- Interview

Secondary Factors:

Individual circumstances listed below are also considered as part of the overall assessment of each application. Enrolling a diverse student body—with students bringing differing experiences, talents, and perspectives to their scholarly community—is essential to achieving the development outcomes of a University of Minnesota education. Our university community is strengthened by our students representing different races, economic backgrounds, geographic origins, genders, religions, ethnicities, sexualities, talents, and beliefs.

Our holistic review takes into consideration the individual circumstances that make each individual student unique. We consider the following secondary factors in our decision review.

- Outstanding talent, achievement, or aptitude in a particular area
- An exceptionally rigorous academic curriculum (enrollment in [honors](#), [AP](#), [IB](#), or college-level courses)
- Strong commitment to community service and leadership
- Military service
- Contribution to the cultural, gender, age, economic, racial, or geographic diversity of the student body
- Evidence of having overcome social, economic, or physical barriers to educational achievement
- First-generation college student
- Significant responsibility in a family, community, job, or activity
- Family employment or attendance at the University of Minnesota
- Personal or extenuating circumstances
- Information received in open-ended questions

PSEO

Per University policy, students must have completed at least one semester of college before being admitted to a health program. Therefore, students will not be admitted directly after high school even though a student completed all dental hygiene pre-requisite courses via PSEO.

DIVERSITY STATEMENT

University of Minnesota Program in Dental Hygiene Diversity Policy for Admissions

The Program in Dental Hygiene seeks to foster a diverse student body of thought, interest, background, and intellect. Diversity enhances the educational experience of all students and better prepares our graduates to practice dental hygiene in today's world. In evaluating an applicant's potential contribution to diversity, the Admissions Committee considers the following factors:

- geographic diversity
- first generation college student
- personal or family adversity
- psychomotor ability
- gender (males are underrepresented in the dental hygiene profession)
- racial and ethnic diversity
- documented disability
- disadvantaged educational background
- evidence of leadership
- unique work or service experience

The Dental Hygiene Admissions Committee insures that all qualified applicants receive individualized consideration within the admissions process.

ENGLISH PROFICIENCY REQUIREMENT

The Division of Dental Hygiene requires all applicants who are non-native speakers of English and who have ACT English and reading scores of 17 or lower (or SAT verbal score of 420 or lower), to submit a TOEFL (Internet based) score of at least **94**. The TOEFL must have been administered within **two years** prior to the date of application to the program. Verification of score(s) **must** be received by the Program in Dental Hygiene **application deadline date of January 14, 2019.**

You may be exempt from this requirement if:

- You have lived in the United States for eight or more years.
- You have successfully completed 26 or more transferable semester credits at a two- or four-year post-secondary institution in the United States and have completed the full freshman English requirement at that school with a grade of C or better; or
- You have successfully completed 60 or more transferable semester credits at a two- or four-year post-secondary institution in the United States.

UNIVERSITY IMMUNIZATION POLICY

Required student immunizations and vaccinations comply with Minnesota State law and Occupational Safety and Health Administration regulations. Students may be expected to have other requirements by individual schools. Upon admission to all Academic Health Center programs, students will be sent a form to complete (signature of health care provider required) attesting to compliance with the following immunizations and vaccinations:

Required Tests and Immunizations

1. Tuberculin Skin Test (TST) 2-Step Required Once. Document two TST's applied at least one week apart but no more than 30 days apart. If both are negative, annual TST required thereafter. Note 1: TST may not be placed within 28 days of a live vaccination, such as MMR, to be considered valid. Note 2: Must have baseline 2-step TST prior to annual TSTs.
2. Annual Tuberculosis Testing. TST must be performed within the last 12 months OR Annual IGRA will meet requirements. IGRA (T-Spot or QuantiFeron Gold) required annually. If you've received BCG then an IGRA is recommended.
3. For positive TST or positive IGRA obtain a chest x-ray. For positive TST and a negative IGRA you must do annual IGRA. No chest x-ray required.
4. Measles, Mumps, Rubella (MMR). Document two doses after 12 months of age (minimum of 4 weeks between dose 1 and dose 2) OR a positive titer for each.
5. Tetanus/Diphtheria/Pertussis (Tdap). Document one dose received July 2005 or later.
6. After 1 dose of Tdap, Td is required every 10 years thereafter.
7. Varicella (Chicken Pox). Document two doses of vaccine OR a positive titer OR positive diagnosis of disease date.
8. Hepatitis B. Document three doses OR positive surface antibody titer. Document if any additional Hep B doses were received AND surface antibody titer results. If Hep B surface antibody titer is negative after 6 doses, provide Hep B surface antigen and Hep B core titers. After 6 documented doses, Hep B vaccine and negative Hep B surface antigen and core titers are considered a non-responder to vaccine.

If you are a student at the University of Minnesota who pays a student service fee, Boynton Health Service provides ambulatory medical care and many other services. However, these required immunizations are NOT covered by student fees, and it is in your interest to secure appropriate documentation rather than repeating immunizations (at a cost of over \$300) or requesting antibody titres on campus. Annual Tuberculosis tests **are** covered by student fees.

If you have a medical exemption to any requirement, it may be documented on the Immunization Record. If you have a conscientious objection, you should contact your school or college. Conscientious objections do not meet the requirement for clearance.

As a future health professional, we know you take the control of infectious disease seriously, and we appreciate in advance your efforts to comply with these policies that are designed to protect you and your patients.

The Clearance Process

1. Ask the health provider(s) who have your medical records to complete the required Immunization Record. It **MUST** be completed by a provider (defined as an MD, DO, RNC, PA, NP, or RN).
2. Mail the form to Boynton Health Service as indicated. Boynton is not responsible for placing or removing registration holds, only for issuing student clearance. Boynton will review your completed form, and it will be part of your medical record.
3. If you have completed all requirements, you and your school/college will receive confirmation of your clearance, and you will be allowed to enroll in classes and clerkships. If you have not completed all requirements, you will be notified of which requirements are unfulfilled and how to complete them. Your school/college will not be notified of your clearance to enroll until you have completed all requirements and have received confirmation from Boynton.

INFECTION CONTROL

Due to the nature of the clinical and laboratory experiences in the dental hygiene program, students will be participating in a work environment that has the potential of exposure to bloodborne pathogens and diseases via saliva and blood, such as Hepatitis B Virus (HBV), Hepatitis C Virus (HCV) and Human Immunodeficiency Virus (HIV).

The University of Minnesota Dental Hygiene Program maintains strict compliance with local, state and federal infection control procedures for safe practice in the dental hygiene clinic and laboratory to minimize and manage the risk of disease transmission. This protocol is provided in multiple courses throughout the curriculum. Dental hygiene faculty monitor student compliance of these policies to ensure a safe environment for all patients, students, faculty and staff. Students must provide proof of compliance with University of Minnesota, Academic Health Center immunization requirements.

The School of Dentistry Policies and Procedures for bloodborne pathogens and infection control management are available to applicants and patients upon request. For additional information on bloodborne pathogens go to: <https://www.osha.gov/SLTC/bloodbornepathogens/index.html>

HIV AND HBV PREVENTION PROGRAM

Applicants to the program need to be aware of the following Minnesota Dental Practice Act HIV and HBV Prevention Policy, which will affect those applicants/students who are HIV and/or HBV positive. The Practice Act stipulates that:

- A licensed dental hygienist who is diagnosed as infected with HIV or HBV must report that information to the Commissioner of Health promptly and as soon as medically necessary for disease control purposes, but no more than 30 days after learning of the diagnosis or 30 days after becoming licensed in the state.

- The Minnesota Board of Dentistry may refuse to grant a license or may impose disciplinary or restrictive action against an HIV/HBV infected dental hygienist who fails to comply with any of the requirements of the Board or with any monitoring or reporting requirement.
- After receiving a report that a regulated person is infected with HIV or HBV, the Board of Dentistry or the Commissioner of Health shall establish a monitoring plan for the infected dental hygienist. This plan may address the scope of practice of the individual, required submission of reports and other provisions that the Board deems reasonable.

CPR CERTIFICATION POLICY

The American Dental Association Commission on Dental Accreditation requires that all students, clinical faculty, and appropriate support staff be able to perform basic life support procedures, including cardiopulmonary resuscitation, and manage other medical emergencies. In compliance with this standard, students, clinical faculty, and appropriate support staff are required to take an American Heart Association Basic Life Support Training Course (level C) (AHA BLS) provided by the University of Minnesota Life Support Program, and scheduled during the first year orientation session.

TECHNICAL STANDARDS

The University of Minnesota School of Dentistry is committed to the policy that all persons shall have equal access to its programs, facilities and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status or sexual orientation.

In adhering to this policy, the University abides by the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the Minnesota Human Rights Act and other applicable statutes and regulations relating to equality of opportunity. In this venue, the School of Dentistry encourages all qualified individuals to apply for admission to its Doctor of Dental Surgery (DDS), Dental Therapy (BSDH/MDT) and Dental Hygiene (BSDH) programs.

The University of Minnesota School of Dentistry recognizes that the award of a School of Dentistry degree carries with it the full authority University of Minnesota Board of Regents and communicates to those who might seek the services of the bearer that he or she is competent to practice general dentistry. Each degree is a professional degree, unique in that the graduate is prepared upon licensure to practice each discipline within its scope of practice. This requires that the student in the curriculum acquire didactic knowledge as well as psychomotor skills and the attitudes essential to the profession and agreed upon by the faculty as requisite for the practice of each discipline. To successfully negotiate the curriculum, students must have a level of cognitive aptitude, ethical competency and hand-eye coordination.

The School of Dentistry is mindful of the unique nature of the dental curriculum. Applicants must possess the skills and abilities that will allow them to successfully complete the course of study and receive the full benefit of the education. In the process, the student is required to direct or perform treatment on the patients of the University of Minnesota Dental Clinics and its affiliates. This includes the completion of treatment safely and within an acceptable amount of time. With this in mind, the student must be able to meet the following technical standards with or without reasonable accommodations.

1. MOTOR SKILLS

GENERAL: A candidate should have a sufficient level of manual dexterity such that he/she is able to execute the fine movements required to provide general dental care and treatment to patients within a specified amount of time.

SPECIFIC: It is required that a candidate possess the manual motor skills necessary to directly perform, diagnostic and treatment maneuvers associated with the practice of general dentistry. Such maneuvers require coordination of both gross and fine muscular movements, equilibrium, and functional uses of the senses of touch, hearing and vision.

SPECIFIC: A candidate must be able to perform basic life support (including CPR), transfer and position disabled patients, and position and reposition self around patients in various treatment settings. The candidate must be able to operate dental equipment controls utilizing fine hand movements, position and move dental instruments and move in all directions within one millimeter of tolerance. Candidates must be able to work in the proper ergonomic positions appropriate to the delivery of dental treatment for extended times.

2. SENSORY/OBSERVATION

BASIC SCIENCES

GENERAL: A candidate must be able to acquire a defined level of required information as presented through demonstrations and experiences in the basic and dental sciences.

SPECIFIC: This includes, but is not limited to, information conveyed through physiologic, pharmacological demonstrations in animals and microscopic images of microorganisms and human or animal tissues in normal and pathologic states. A candidate must be able to acquire information from written documents and to visualize information presented in images from paper, films, slides, video and computer. A candidate must be able to interpret radiographs (x-rays) and other graphic images, with or without the use of assistive devices. A candidate must have functional use of visual, auditory, and somatic sensation while using appropriate enhancement of sensory modalities.(such and microscopes, stethoscopes, etc.)

CLINICAL SCIENCES

GENERAL: A candidate must be able to observe a patient accurately, at a distance and close at hand, and observe and appreciate non-verbal communications when performing general dental treatment or administering medications.

SPECIFIC: A candidate must be able to perform visual and tactile dental examinations and treatment including use of visual acuity, with or without accommodation, to discern slight differences and variations in color, shape, and general appearance between normal and abnormal, soft and hard tissues. Use of tactile senses may be either direct palpation or indirect through instrumentation. A candidate must also possess the visual acuity to read charts, records, small print and handwritten notation, and distinguish small variations in colors intra and extra orally.

3. COMMUNICATION

GENERAL: A candidate must be able to communicate clearly and effectively with a degree of sensitivity with patients, parents and/or guardians; establish good rapport, convey or exchange information at a level allowing development of a health history; identify problems presented; explain alternative solutions; and give directions during treatment and post-treatment. For effective patient treatment, the candidate must be able to communicate with patients, parents, guardians and all members of the dental and medical health care team effectively and efficiently and communication must be culturally appropriate. Communication includes oral and written modes.

SPECIFIC: A candidate must have sufficient facility with English to retrieve information from literature, computerized data bases and lectures and to communicate concepts on written exams and patient charts. Patients, faculty, students, and staff must be able to easily understand the candidates' oral and written communication in order to effectively evaluate performance and to work collaboratively in the care of patients. Patients must be able to understand the candidate easily to help establish patient rapport, understand what information is requested and needed by the candidate and understand the explanation of treatment procedures, treatment options, informed consent, and follow up or home care.

4. COGNITIVE

GENERAL: A candidate must be able to measure, calculate, reason, analyze, integrate, and synthesize information.

SPECIFIC: A candidate must be able to comprehend and mentally visualize three-dimensional relationships and to understand the spatial relationships of structures. Problem solving and clinical decision making, and critical thinking skills demanded of a general dentist, requires all of these intellectual abilities. A candidate must be able to perform these problem-solving and critical thinking skills in a timely fashion for effective patient treatment.

5. BEHAVIORAL

GENERAL: A candidate must possess the emotional health and maturity required for full utilization of his or her intellectual abilities, the exercise of good judgment, maintenance of patient confidentiality, the prompt completion of all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive, and effective relationships with patients, faculty, staff and students.

SPECIFIC: A candidate must recognize that the curriculum is physically, mentally and emotionally taxing. He or she must be able to tolerate physically and emotionally demanding workloads, function effectively under stress, adapt to changing environments, display flexibility and learn to function in the face of uncertainties inherent in the clinical problems of patients. Compassion, integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities that will be assessed during the admission and educational processes. Further, a candidate must be able to manage apprehensive patients with a range of moods and behaviors in a tactful, culturally sensitive, congenial, personal matter so as not to alienate or antagonize

them. A candidate must reasonably be expected to accept criticism and respond by appropriate modification of behavior.

MINIMUM TECHNICAL STANDARDS FOR MATRICULATION AND GRADUATION STANDARDS

Each degree is a professional degree unique in that the graduate is prepared upon licensure to practice each discipline within its scope of practice. This requires that the student in the curriculum acquire didactic knowledge as well as psychomotor skills and attitudes essential to the profession and agreed upon by the faculty as requisite for the practice of each discipline. The candidate requires both cognitive and technical skills in order to negotiate this curriculum. In the process, a matriculated candidate is required to direct or perform treatment on the patients of the School and its affiliates. The School has the responsibility of insuring the safety of the patients. This includes the rendering of treatment in a safe manner and within a specified amount of time. To that end, the student must be able to meet the *School of Dentistry Minimum Technical Standards for Admissions and Matriculation* with or without reasonable accommodations.

The School of Dentistry's Technical Standards are required to successfully complete the School's competencies needed for graduation. These competencies are available upon request through the Associate Dean of Academic Affairs, University of Minnesota School of Dentistry, 15-238 Moos Tower, 515 Delaware Street SE, Minneapolis, MN 55455.

Approved by the School of Dentistry DDS Admissions Committee, March, 1, 2018

DENTAL HYGIENE ADVISING

The School of Dentistry, Office of Admissions and Diversity, provides advising for prospective dental hygiene students. Interested individuals are encouraged to contact this office for assistance and information.

- Email: dhapply@umn.edu
- Phone: (612) 625-7477

Information and Advising

Prospective applicants are strongly encouraged to attend a Program Information Session held monthly at the School of Dentistry. Sessions include information about the program and individual advising. For more details and to reserve your spot, please go to: <https://www.healthcareers.umn.edu> Click on *Info Sessions & Events* and then on *Dental Hygiene*. Please call 612-626-5533 or email Chris Held at cheld@umn.edu with questions about these group sessions.

Prospective applicants who cannot attend a Program Information Session may arrange an informational visit with an adviser prior to the application deadline. Please contact Tina Jalivay at 612-625-9121 or email jaliv003@umn.edu to arrange a visit.

Clinical Requirements

Throughout the dental hygiene clinical curriculum, students are required to fulfill clinic requirements and to take clinical competency exams. These clinical requirements and examinations require the student to have patients that meet specific criteria. It is the students' responsibility to find appropriate patients to fulfill these requirements.

UNIVERSITY OF MINNESOTA SCHOOL OF DENTISTRY
DIVISION OF DENTAL HYGIENE
APPLICATION PROCESS
2019-2020

INSTRUCTIONS:

Applicants must apply to Dental Hygiene in a two-part process:

PART 1: A Bachelor of Science in Dental Hygiene online application must be completed and submitted to the School of Dentistry/ Dental Hygiene. The form is available at <https://secure.ahc.umn.edu/dentistry/apply/dh/application/>. ALL APPLICANTS MUST COMPLETE THIS FORM FOR CONSIDERATION. This form is separate from any of the University of Minnesota application forms and provides more specific information to the Dental Hygiene Admissions Committee regarding each applicant's desire to enter the program.

PART 2: Complete ONE of the following forms below, appropriate to your situation. Either form can be found at the following site: <http://onestop.umn.edu> Select "forms" tab and then "admissions, transfer, and re-enrollment." This will take you to either of the forms below:

For students who have never been enrolled in any campus or college at the University of Minnesota:

OR

For current or former University of Minnesota students:

Applicants must submit an "Application for Undergraduate Admission (transfer from outside of U of M)" form	you are a current or former University of Minnesota student, applicants must submit an "Application for Undergraduate Change of College" form.
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The application must be submitted by January 14, 2019 for the fall 2019 entering class. Late applications will not be considered for admission.

OTHER MATERIALS NEEDED

In addition to the two forms above (the Dental Hygiene application, plus the Transfer Student Application form **OR** the Change of College form), the following materials should also be **submitted to UNIVERSITY ADMISSIONS OFFICE**):

- Official transcripts of all completed college coursework
- Official transcripts of all high school coursework
- Official ACT or SAT scores if they are not on your high school record, if applicable
- Official TOEFL scores if non-native speaker of English (refer to Admission Criteria for further information), if applicable

Send these materials to:

Office of Admissions
University of Minnesota
240 Williamson Hall
231 Pillsbury Drive SE
Minneapolis, MN 55455

It is the applicant's responsibility to assure that all required materials are submitted by the deadline. For questions about the status of your application or to inquire about materials received, call the School of Dentistry Admissions Office at 612-625-7477.

NOTIFICATION OF ACCEPTANCE

Those applicants who are accepted into the Dental Hygiene program will be notified by certified mail on or before **March 1, 2019**.

FEES

To confirm acceptance of admission to the program, a fee of \$150 will be required of all students accepted into the Dental Hygiene program. This fee cannot be waived or deferred and is not refundable.

COMMON QUESTIONS

How many students apply to the program and how many are accepted?

The applicant pool is approximately 50 applicants for 24 places in the program. The program accepts 24 students each fall.

Is there a minimum GPA requirement for acceptance into the Dental Hygiene Program?

Applicants must have a minimum of 2.8 cumulative GPA, and a minimum 2.5 prerequisite and science GPA, and a minimum of a C grade in all prerequisite courses to be considered for admission.

However, acceptance is on a competitive basis and higher GPAs are usually necessary to be admitted.

Do I need to take the ACT (or SAT) for entrance in Dental Hygiene? I don't need it for other colleges.

The ACT (or SAT) is a required standardized test used to evaluate applicants for admission. These scores must be submitted with your application. You cannot apply and then take the ACT (or SAT) test.

For information about taking the ACT go to: www.actstudent.org. View “find a test center” to enter information for Minnesota and city of choice. Test dates will appear after search.

Phone: 319-337-1270.

U of M Test Code: 2156

For information about taking the SAT go to: www.collegeboard.com/student/testing/sat/reg.html

Phone: 866-756-7346

U of M Test Code: 6874

EXCEPTION: If you have a baccalaureate degree you are not required to complete an ACT (or SAT) or admission.

Do I have to have all the prerequisites completed before applying?

No, not ALL courses. However there are particular courses that **DO** need to be completed for the application. Keep in mind that ALL courses need to be completed prior to entry into the program. All prerequisite courses need to be taken on an A-F grading system and a minimum of a C grade must be achieved to be considered for admission.

Biology **OR** Chemistry must be completed prior to application so that grades are on the transcript submitted at the time of application. Applicants are strongly encouraged to have completed as many of the prerequisite courses as possible. The Admission Committee looks more strongly at a candidate who has completed more (vs. less) prerequisites. To contact an advisor call 612-625-7477.

Do my prerequisites transfer?

Whether prerequisite courses are taken at the University of Minnesota or any other college, we strongly recommend that you meet with a program advisor BEFORE taking them so that you can be guided toward the appropriate courses to take. In that way, you know that you are taking courses that will transfer as prerequisite courses for our program and/or as liberal education courses required for the University of Minnesota Baccalaureate Degree as well. This is always the BEST approach for planning.

If you have already taken courses and want to know if they transfer to the University of Minnesota, you may use to **Transferology**, an interactive website that provides information on how courses transfer to other universities and colleges. <https://www.transferology.com>. Or, you may contact dhapply@umn.edu (phone 612-625-7477) who can provide you with that information. If a particular course is not in our data base, then further information will need to be submitted by you and a decision will be made on an individual basis.

Where should I send my transcripts? Send the transcripts to the University of Minnesota Admissions office:

Address: Office of Admissions

240 Williamson Hall

231 Pillsbury Drive S.E.

Minneapolis, MN 55455-0213

CHECKLIST OF MATERIALS NEEDED BY JANUARY 14, 2019:

- Dental Hygiene online application form (sent electronically):
<https://secure.ahc.umn.edu/dentistry/apply/dh/application/>
- Official transcripts of all completed college coursework.
- Official transcripts of all high school coursework
- Official ACT or SAT scores, if applicable
- Official TOEFL scores if non-native speaker of English (refer to Admission Criteria for further information), if applicable
- Appropriate University of Minnesota form: (either the Transfer Application Form OR the Change of College Form); forms are found at: <http://onestop.umn.edu/onestop>

Transfer Application Form:

- May apply online, or send to:
Office of Admissions
University of Minnesota – Twin Cities
240 Williamson Hall
231 Pillsbury Drive S.E.
Minneapolis, MN 55455-0213

Change of College Form:

- May apply online, or send to:
University of Minnesota - Twin Cities
130 Coffey Hall
1420 Eckles Avenue
St. Paul, MN 55108-6054

DENTAL HYGIENE CURRICULUM 2019-2020**

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Year One

Fall Semester 2019:

DH 2111	Dental Anatomy & Histology	3 cr.
DH 2121	The Dental Hygiene Care Process: Clinical Application I	5 cr.
DH 2132	Head and Neck Anatomy	2 cr.
DH 2225	Microbiology	3 cr.
DH 4315	Foundations of Interpersonal Communication and Collaboration	1 cr.
XXXX	Liberal Education Requirement*	<u>(3 cr.)</u>
		14 cr.

Spring Semester 2020:

DH 2221W	Periodontology	3 cr.
DH 2212	Communication for Oral Health Providers	2 cr.
DH 2222	The Dental Hygiene Care Process: Clinical Application II	4 cr.
DH 3151	Oral and Maxillofacial Radiology	2 cr.
DH 3125	General and Oral Pathology	3 cr.
DH 2256	Biochemistry (new course in 2020)	<u>3 cr.</u>
		17 cr.

Summer Semester 2020:

DH 3121	Local Anesthesia and Pain Management	2 cr.
DH 3123	Dental Hygiene Care Process: Clinical Application III	4 cr.
DH 3133	Pharmacology	2 cr.
DH 3134	Pediatric Dentistry	1 cr.
DH 3211	Biomaterials and Principles of Restorative Techniques I	<u>4 cr.</u>
		13 cr.

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Year Two

Fall Semester 2020:

DH 3224W	Dental Hygiene Care Process: Clinic Application IV	6 cr.
DH 2231	Cariology and Applied Nutrition in Dental Hygiene Care	3 cr.
DH 3238	Dental Public Health and Academic Service Learning	3 cr.
DH 3234	Oral and Maxillofacial Radiology: Theory, Principles and Radiographic Analysis	1 cr.
DH 3228	Ethics and Jurisprudence for the Dental Hygienist	1 cr.
XXXX	Liberal Education Requirement*	<u>(3 cr.)</u>
		14 cr.

Spring Semester 2021:

DH 4135W	Research Methods	3 cr.
DH 4125W	Dental Hygiene Care Process: Clinical Application V	6 cr.

DH 4136	Periodontology III	1 cr.
DH 4105	Dental Professional Development II	1 cr.
DH 4139	Dental Public Health and Academic Service Learning II	<u>2 cr.</u>
		13 cr.
<i>Summer Semester 2021:</i>		
DH 4211	Principles of Restorative Techniques II	3 cr.
DH 4234	Leadership and Professional Development	2 cr.
DH 4226	Dental Hygiene Care Process: Case Presentation	6 cr.
	*Liberal Education Requirement (May term)	<u>(3 cr.)</u>
		11 cr.

**Subject to change

BACHELOR OF SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

COURSE DESCRIPTIONS

DH 2111 - Dental Anatomy (3 cr.)

Structural microscopic anatomy of oral hard/soft tissues. All deciduous/permanent teeth, including tooth form, function, and relationship to oral health. Tooth development, calcification, eruption, and exfoliation patterns. Ideal static occlusion, dental terminology, tooth annotation systems. Learning activity includes identification/annotation of teeth, dental histology, embryology, and anatomy.

DH 2212 - Communication for Oral Health Providers (2 cr.)

The study of effective communication strategies within healthcare settings with emphasis on the oral health provider-patient relationship. Application of health literacy concepts and behavior change theory as components of evidence-based decision making in a variety of practice settings.

DH 2121 - The Dental Hygiene Care Process: Clinical Application I (5 cr.)

Dental hygiene care process, assessment principles related to medical and oral health status, dental hygiene clinical procedures, and development of instrumentation skills.

DH 2132 - Head and Neck Anatomy (1 cr.)

The anatomical structures of head and neck as they relate to the practice of dental hygiene and dental therapy.

DH 2225 – Microbiology (3 cr.)

Encounters with microorganisms are part of everyday life for humans, both as pathogenic and non-pathogenic entities. During this microbiology course students will learn characteristics of microbial life for bacteria, viruses, parasites, and fungi. An emphasis will be placed on microorganisms that are commonly found in the oral cavity. An introduction to the human immune system and its function in regulating infections will be presented. Students will gain an understanding of both commensal microbiota and pathogenic microorganisms, and how their impact on human health. Additionally, students will begin to convey scientific data and research results to non-scientists as a basis for discussing disease prevention, infection management, and treatment plans in a clinical setting.

DH 2221W - Periodontology (3 cr.)

This course introduces periodontal diseases; etiology, assessment, and treatment options. It includes clinical experience in debridement, root planing with ultrasonic and hand instruments.

DH 2222 - The Dental Hygiene Care Process: Clinical Application II (4 cr.)

In this class you will begin to apply your knowledge of the various preventive products, patient education, assessment data and medical histories to clinical practice. You will develop application skills in fluoride treatments and pit and fissure sealants as well as the evaluation of products used in the treatment of dental caries and periodontal diseases. This class will also give you an introduction to the School of Dentistry's clinical systems, various medical and emergency conditions affecting patient care and preventive strategies for oral diseases.

DH 2231 - Cariology and Applied Nutrition in Dental Hygiene Care (3 cr.)

The study of dental caries etiology, pathology and prevention, and the applied principles of diet and nutrition to dental hygiene patient care with skills in dental dietary counseling. Course content also includes a comprehensive review of CAMBRA. Cariology and Applied Nutrition in Dental Hygiene Care is designed to provide the beginner level dental hygiene student with a knowledge base in cariology and nutrition as it applies to the oral cavity. The implementation of this knowledge is Dental Dietary Counseling with a dental hygiene patient. DH 2231 relies on the communication skills developed in DH 2212.

DH 3125 - General and Oral Pathology (2 cr.)

This course covers topics in pathology related to dentistry and the oral cavity. Oral benign/malignant tumors, infectious, inflammatory, and immunologically mediated lesions/diseases are covered.

DH 3121 - Local Anesthesia and Pain Management (2 cr.)

Concepts in the administration of local anesthesia, nitrous oxide-oxygen sedation, and other methods of pain management. Anatomy, physiology, pharmacology, patient assessment, indications and contraindications, selection of agents, injection techniques, complications, emergency management, and legal/ethical considerations. Lecture, lab, clinic.

DH 3123 - The Dental Hygiene Care Process: Clinical Application III (4 cr.)

Dental hygiene planning for caries prevention and control, non-surgical periodontal therapy and tobacco cessation. Case presentation, ergonomic and clinical experience in dental hygiene patient care.

DH 3133 - Pharmacology (2 cr.)

In this class, you will develop knowledge and skills needed to assess and understand the role and importance of pharmacology in patient care. This class will also give you an understanding of various medical and emergency conditions and their corresponding pharmaceutical agents used to control/manage the condition. You will be able to apply the information to the clinical setting.

DH 3134 - Pediatric Dentistry (1 cr.)

Knowledge, skills and attitudes required for providing dental hygiene care for pediatric patients.

DH 3151 - Oral and Maxillofacial Radiology (2 cr.)

General principles of radiology, radiation physics, dosimetry, biology, radiation protection, regulations, recent concepts of imaging, and radiographic anatomy.

DH 3211 - Biomaterials and Principles of Restorative Techniques I (4 cr.)

This course is for dental hygiene students to learn theory and “hands on” practice of dental restorative materials. Students will practice the manipulation and placement of the various dental materials in permanent and primary typodont prepared teeth, and they will also learn the selection process and placement of stainless steel crowns on primary typodont teeth.

DH 3224W - The Dental Hygiene Care Process: Clinical Application IV (6 cr.)

Knowledge, skills, and attitudes required for providing dental hygiene care for the medically compromised patient, gerodontic patient, and patient with a disability.

DH 3228 - Ethics and Jurisprudence for the Dental Hygienist (1 cr.)

Ethical decision making, jurisprudence.

DH 3234 - Oral and Maxillofacial Radiology: Theory, Principles and Radiographic Analysis (1 cr.)

Intraoral and extraoral radiographic anatomy. Principles of radiographic interpretation, evaluation of radiographs to identify variation of normal, and dental and maxillofacial diseases.

DH 3238 - Dental Public Health and Academic Service Learning (3 cr.)

This course provides an overview of the discipline of public health including epidemiological methods of investigation with an emphasis on patterns of oral diseases. Course content emphasizes designing, implementing, and evaluating oral health promotion and health education programs. Students prepare for community service learning programs.

DH 4105 - Dental Professional Development II (2 cr.)

Dental Hygiene Course Description Skills to effective practice management and strategic decision-making, promoting mutual trust and respect in all interpersonal interactions, with an emphasis on the roles of a collaborative dental team. Dental Therapy Course Description Interprofessional course. Organizational, managerial, and financial systems that affect successful dental practice.

DH 4125W - Dental Hygiene Care Process V: Social Justice and Oral Health Care Delivery (DSJ, WI) (6.0 cr; Prereq-DH student; A-F only, spring, every year)

Social justice of health/oral health care in U.S. How race/class/gender impact resources. Dental hygiene treatment in diverse patient population.

DH 4135W - Research Methods in Dental Hygiene (WI) (3.0 cr)

(Prereq-DH student; A-F only, spring, every year)

Develop skills in the scientific method and critiquing scientific literature. Emphasis is place on evidence-based decision-making, types of research and research design, problem identification and hypothesis development, analyzing individual components of journal articles in relation to research principles, and writing the literature review. Fulfills writing intensive requirement.

DH 4136 - Periodontology III Lecture (1 cr.)

This course will provide information regarding the surgical phase of periodontal therapy, including select topics in implantology. The course also emphasizes the evaluation of periodontal treatment, periodontal maintenance care, and the relationship between periodontics and other disciplines in dentistry. Use of pharmacological agents, periodontal medicine, clinical research and integrating periodontics into the general practice also are covered.

DH 4139 - Dental Public Health and Academic Service Learning II (1 cr.)

Academic service learning in various community healthcare settings. The student will apply information from Dental Public Health & Service Learning I and II to assess, plan, implement, and

evaluate a dental public health program designed to meet the oral health needs of a priority population.

DH 4211- Principles of Restorative Techniques II (3 cr.)

Restorative Techniques. Clinical experiences.

DH 4226 - Dental Hygiene Care Process: Clinical Application VI (6 cr.)

Advanced dental hygiene care process in Comprehensive Care Clinics and Service Learning Outreach sites. Development and presentation of the Senior Capstone experiences. The Capstone is a comprehensive oral case presentation and written case report based on a unique patient experience and treatment.

DH 4234 - Leadership and Professional Development (2 cr.)

Explore the dental hygienist as leader and manager in healthcare delivery organizations or public health organizations and programs. A study of current issues that influence the practice of dental hygiene including healthcare delivery systems, workforce needs, practice models, regulation, professional associations, state practice acts and the legislation process. Emphasis on leadership and professional development.

DH 4315 - Foundations of Interprofessional, Professionalism, Communication, and Collaboration

(1.0 cr [max 2.0 cr]; Prereq-Dental hygiene student; S-N only, fall, summer, every year)

Professionalism, communication/collaboration across health professions. Online independent/group work followed by facilitated interprofessional small group discussion of case narratives.

LIBERAL EDUCATION REQUIREMENTS

All graduates of the University of Minnesota are required to complete the University Liberal Education Requirements. Students entering the University prior to fall 1999 must meet the requirements in place at the time of entry into the University. Approximately 12 credits may be taken on an S-N grading basis. Applicants are encouraged to complete as many liberal education requirements prior to entry into the Program in Dental Hygiene as possible; remaining requirements must be taken during the dental hygiene curriculum and completed prior to graduation. *As you will note, some pre-requisite courses fulfill some of the liberal education requirements. See University of Minnesota liberal education requirements website:*

<http://www.onestop.umn.edu/registrar/libed> and courses indicated in parentheses below:

Diversified Core:

- **Physical and Biological Sciences:** A minimum of two courses totaling at least 8 credits, including one course in physical science with a laboratory or field experience, and one course in biological science with a laboratory or field experience. (**Chem 1011; Biol 1009**)
- **Social Science and Humanities:** A minimum of 15 credits distributed as follows:
 - Social Science: at least 8 credits (**Psy 1001; Soc 1001**)
 - Humanities: at least 6 credits, including one course in literature and one course in other humanities. (Philosophy, visual or performing arts, and other humanities or arts).
 - Historical Perspective: at least 3 credits.
- **Mathematical Thinking:** A minimum of one course totaling at least 4 credits. (**Stat 1001**)

Designated Themes:

One course of at least 3 credits in **four** of the five themes: The Environment, Global Perspectives, Diversity and Social Justice in the United States, Civic Life and Ethics, and Technology and Society. (Civic Life and Ethics is fulfilled by Comm 1101; Diversity and Social Justice is fulfilled by DH4125).

Writing Intensive: Dental hygiene students need to complete one first year writing course (EngC 1011 or 1013), and four writing intensive courses. Four upper division writing intensive courses are included in the dental hygiene curriculum.

BACHELOR OF SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

SPECIAL LEARNING OPPORTUNITIES

Community Service Learning Clinics: Dental hygiene students have the opportunity to participate in academic service-learning at several off-campus Twin Cities and out-state Minnesota clinics providing dental hygiene care for populations who typically do not have sufficient access to dental care. These experiences provide students the opportunity to provide dental hygiene care to diverse populations.

Continuing Dental Hygiene Education: Students are encouraged to participate in selected continuing education courses during their senior year on a space available basis. These courses expose seniors to a broad scope of information and technology from a variety of local and national speakers. Students gain by selecting their own educational experiences and interacting with practicing dental hygienists and dentists.

Study Abroad Program: The School of Dentistry offers a study abroad opportunity in Bergen, Norway. The goal of this program is to provide students with the opportunity to understand the practice of dental hygiene in another country, gain cross-cultural experience, and make friends that last a lifetime – all while earning credits. These programs/courses meet the highest quality standards and are closely aligned with academic requirements. Students are selected to participate via an application process.

GENERAL INFORMATION

World Wide Web Site

<http://www.dentistry.umn.edu>

STATE RECIPROCITY OFFICES

University of Minnesota has reciprocity agreements with: Wisconsin, North Dakota, South Dakota, and Manitoba (see addresses below). The University of Minnesota participates in a reciprocity

program with: Kansas, Michigan, Missouri, and Nebraska for students enrolled in a number of undergraduate colleges, including dental hygiene. Please call **612-625-6330** for additional information or call the numbers for specific states listed below.

For more information:

Access: <https://admissions.tc.umn.edu/costsaid/residency.html>

Reciprocity Information

HOUSING

University Housing

On & Off Campus
Housing and Residential Life
Comstock Hall East
210 Delaware Street S.E.
Minneapolis, MN 55455-0213
FAX: 612-624-2994
housing@umn.edu
www.umn.edu/housing

Housing Co-ops

Minnesota Students Co-Op, Inc.
(Various locations in St. Paul area)
612-645-0053

Student Co-Op
1721 University Avenue S.E.
Minneapolis, MN 55414
612-331-1020

U of M Student Family Housing

Commonwealth Terrace
1250 Fifield Place
St. Paul, MN 55108
612-646-7526

Chateau Community Housing
425 13th Avenue S.E.
Minneapolis, MN 55414
612-331-3911

Como Student Community
1024 27th Avenue S.E.
Minneapolis, MN 55414
612-378-2434

Parking and Transportation Services

300 Transportation & Safety Building
511 Washington Avenue S.E.
Minneapolis, MN 55455-0213
E-mail: parking@umn.edu
(612) 625-5000
www.umn.edu/parking

Dental Hygiene - Estimated Expenses –2018-2019*

<u>Tuition:</u>	<u>Resident:</u> \$ 502.25/credit (up to 12 credits) \$6,529.00 (13 or more credits)	<u>Non-Resident:</u> \$ 1,105.25/credit (up to 12 credits) \$14,368.00 (13 or more credits)
<u>Student Service Fee:</u>	\$443.00/semester	\$443.00/semester
<u>Equipment & Technology Fee:</u>	\$207.00/semester	\$207.00/semester
<u>Health Insurance Fee:</u>	\$1,116.00/semester (if no insurance coverage) \$ 612.00/summer	\$1,116.00/semester \$ 612.00/summer
<u>Instrument Fee:</u>	\$861.00/semester \$517.00/summer	\$861.00/semester \$517.00/summer

<u>Textbooks/Manuals:</u> (estimated cost)	First Year:	\$ 1303.00
	2 nd Year:	\$ 242.00
	Totals:	\$ 1545.00

<u>Miscellaneous:</u>	<u>1st semester:</u>	<u>Board Examination</u> (all estimated):
Safety glasses	\$15.00	<u>6th Semester</u>
Scrubs	\$50.00	National Board Exam \$ 635.00
Shoes	\$45.00	

<u>Regional Board Exam</u>	
CDCA Examination	\$ 975.00

<u>Total for 6 Semesters**</u>	<u>Resident</u>	<u>Non-Resident</u>
Tuition/Fees	\$48,762.00	\$95,796.00
Instrument Fees	4,478.00	4,478.00
Textbooks/Readings	1,545.00	1,545.00
Miscellaneous/Graduation	<u>1,730.00</u>	<u>1,730.00</u>
Totals:	\$56,515.00	\$103,549.00

* Subject to change without notice. Living and other incidental expenses not included.

** Living and other incidental expenses not included.