UNIVERSITY OF MINNESOTA

SCHOOL OF DENTISTRY
DIVISION OF DENTAL HYGIENE

BACHELOR OF SCIENCE IN DENTAL HYGIENE
INFORMATION GUIDE
2017-2018
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 Statues, 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 prefit 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, speech, statistics, biochemistry and other liberal arts education courses. This is followed by two years of professional coursework in the basic sciences, including microbiology, nutrition, histology, and pathology. The professional program also includes courses in dental and head and neck anatomy; preclinical and clinical dental hygiene; communication skills; patient assessment; cariology and periodontology; oral radiology; biomaterials; 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. In 2007, a new simulation clinic and laboratory opened providing state-of-the-art education for both dental hygiene 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.

Placement

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, Suite A
515 Delaware Street S.E.
Minneapolis, MN 55455
612-625-7477

Email general admissions questions to: dhappy@umn.edu
Or Morgan McClellan at: mccella@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 Division of Dental Hygiene at (612) 625-9121.
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 students 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, and is competitive.

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

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<tr>
<th>ANATOMY</th>
<th>ANAT 3001 Human Anatomy, 3 cr. OR ANAT 3601 Principles of Human Anatomy, 3 cr. OR ANAT 3611 Principles of Human Anatomy, 3 cr.</th>
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|              | 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.

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).

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).

BIOL 2002 Foundations of Biology for Biological Sciences Majors Part 1
First of two foundational courses. Core biological concepts, from biomolecules to ecosystems. Emphasizes evolution, organismal diversity, and genetics within context of problem solving and application. (Fulfills liberal education requirement).

CHEM 1061 (3 cr) and 1065 (1 cr) Chemical Principles I (PHYS)
4.0 cr;=[CHEM 1031H]; Prereq-Grade of at least C- in [1011, 1015 or 1017] or passing placement exam; intended for science and engineering majors; fall, spring, summer, every year). Lab Required.


WRIT 1301 University Writing, 4 cr.

PHSL 3050 Physiology From Cells to Systems, 3 cr.; OR Pharm 3601 Basic Human Physiology for the Health Professions, 3 cr.

Basic physiology of human cells and organ systems, including nerve, muscle, cardiovascular, respiratory, renal, digestive, endocrine, metabolic and reproductive systems. Critical thinking about physiological concepts through active learning exercises involving analysis and manipulation of ideas. Apply
concepts in basic research or clinical settings. (Fulfills liberal education requirement).

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).

PHAR 3601 Basic Human Physiology for the Health Professions For pre-health professional students to prepare for more in depth courses. Normal functions (physiology) of the major human organ systems and diseases (panthophysiology) in those systems. (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).

SPEECH

COMM 1101 Introduction to Public Speaking, 3 cr.

COMM 1101 Introduction to Public Speaking Oral communication processes and elements. Criticism of and response to oral discourse. Individual speaking. (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).

BIOCHEMISTRY

BIOC 2011— Biochemistry for the Agricultural and Health Sciences (3 cr.) Survey of organic chemistry/biochemistry outlining structure/metabolism of biomolecules, metabolic regulation, and principles of molecular biology.
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

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

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 12, 2018

You may be exempt from this requirement if:
• You have lived in the United States for 8 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 are to 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 the AHC academic programs, students are required to submit proof (signed by health care provider) of the following immunizations and vaccinations:

Required: Form must be submitted prior to beginning Fall Semester classes. The appropriate form will be sent to you upon acceptance to the program.

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**

The University of Minnesota School of Dentistry adheres to all state and federal regulations, as stipulated in guidelines of the Occupational Safety and Health Administration (OSHA), the Centers for Disease Control and Prevention (CDC), and the American Dental Association. Primarily the
guidance comes in the form of the federal regulations found in the Occupational Exposure to Bloodborne Pathogens Standard, which went into full effect on July 6, 1992.

In addition, because dental schools conduct research involving human tissues and fluids, strict infection control regulations.

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.

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.

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), Bachelor of Science in Dental Hygiene and Master of Dental Therapy programs.

The University of Minnesota School of Dentistry recognizes that the award of a Doctor of Dental Surgery degree, dental hygiene degree and dental therapy degree carries with it the full authority of
the 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. This requires that the student in dental curricula acquire didactic knowledge as well as the psychomotor skills and attitudes essential to the profession and agreed upon by the faculty as requisite for the practice of dentistry. 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.

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 DH Admissions Committee, 11/19/13

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 [www.healthcareers.umn.edu](http://www.healthcareers.umn.edu), click on Info Sessions & Events and then on Dental Hygiene. Please call 612-626-5533 or email Kate Madden at madde084@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.
UNIVERSITY OF MINNESOTA SCHOOL OF DENTISTRY
DIVISION OF DENTAL HYGIENE
APPLICATION PROCESS
2017-2018

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
  Applicants must submit an “Application for Undergraduate Admission (transfer from outside of U of M)” form.

- OR

- For current or former University of Minnesota students:
  If you are a current or former University of Minnesota student, applicants must submit an “Application for Undergraduate Change of College” form.

The application must be submitted by January 12 2018 for the fall 2018 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 the University of Minnesota School of Dentistry/Dental Hygiene Program (DO NOT SEND TRANSCRIPTS OR SCORES TO THE 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, 2018.

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 are 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 need to 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?** The University of Minnesota forms tell me to send the transcripts to the central Admissions office for the University.
We request that you send all transcripts to our address first as this will expedite the admissions process. Once we receive your official transcript, we make a copy for our records and send the original to the University Admissions Office.
CHECKLIST OF MATERIALS NEEDED BY JANUARY 12, 2018:

- 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:
- can 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:
- can apply online, or send to:
  University of Minnesota Twin Cities
  130 Coffey Hall
  1420 Eckles Avenue
  St. Paul, MN 55108-6054
DENTAL HYGIENE CURRICULUM 2017-2019**

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Year One

Fall Semester:
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 2220 Microbiology 2 cr.
DH 4310 Foundations of Interpersonal Communication and Collaboration 1 cr.
XXX Liberal Education Requirement* (3 cr.) 13 cr.

Spring Semester:
DH 2221W Periodontology 3 cr.
DH 2212 Communication for Oral Health Care Providers 2 cr.
DH 2222 The Dental Hygiene Care Process: Clinical Application II 4 cr.
DH 2231 Cariology and Applied Nutrition in Dental Hygiene Care 3 cr.
DH 3151 Oral and Maxillofacial Radiology 2 cr. 14 cr.

Summer Semester:
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 4 cr. 13 cr.

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Year Two

Fall Semester:
DH 3224W Dental Hygiene Care Process: Clinic Application IV 6 cr.
DH 3120 General and Oral Pathology 2 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. 13 cr.

Spring Semester:
DH 4135W Research Methods 3 cr.
DH 4125W Dental Hygiene Care Process: Clinical Application V 6 cr.
DH 4136 Periodontology III 1 cr.
DH 4100 Dental Professional Development II 1 cr.
DH 4139 Dental Public Health and Academic Service Learning II 2 cr. 13 cr.

Summer Semester:
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. (3 cr.) 11 cr.

*Liberal Education Requirement (May term)

**Subject to change
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.

BACHELOR OF SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

COURSE DESCRIPTIONS

DH 2111 - Dental Anatomy (3 cr.)
All deciduous/permanent teeth, including tooth form, function, and relationship to oral health. Calcification, eruption, exfoliation patterns. Ideal static occlusion, dental terminology, tooth annotation systems. Lab includes identification/annotation of teeth.

DH 2212 - Communication for Oral Health Providers (2 cr.)
The study of effective communication strategies within health care settings with emphasis on the oral health provider-patient relationships. 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.)
Anatomical structures of head/neck as they relate to practice of dental hygiene.

DH 2220 – Microbiology (2 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 places 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.)
DH 2222 - The Dental Hygiene Care Process: Clinical Application II (3 cr.)

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

DH 3120 - General and Oral Pathology (2 cr.)

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

DH 3123 - The Dental Hygiene Care Process: Clinical Application III (4 cr.)
Dental hygiene treatment planning, alternative instruments, and advanced skills related to implementation of dental hygiene care. Clinical experience.

DH 3133 - Pharmacology (2 cr.)
Principles of pharmacology, physical/chemical properties of drugs, modes of administration, therapeutic/adverse effects, drug actions/interactions.

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.

DH 3211 - Biomaterials and Principles of Restorative Techniques I (4 cr.)
Principles of biomaterials and restorative techniques; lecture and pre-clinic experiences.

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. Fulfills writing intensive requirement.

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.)

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

DH 4100 - Dental Professional Development II (2 cr.)
Students will develop skills essential to effective practice management including team dynamic, conflict resolution, regulatory compliance, collaborative practice, and strategies for a successful career. This course promotes mutual trust and respect in all interpersonal interactions, with an emphasis on the roles of a collaborative dental team.

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 with regard to health/oral health care in the United States. How race, class, and gender have impacted how health resources specific to dental health care are distributed and how social conditions impact health/oral health. Dental hygiene treatment to diverse patient populations in a variety of community-based clinics. Health and oral health disparities in the United States. Fulfills Diversity and Social Justice Liberal Education Theme Requirement.

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 placed 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.)

DH 4139 - Dental Public Health and Academic Service Learning II (1 cr.)
Academic service-learning in various community health care settings. Assessment, planning, implementation, and evaluation of a community oral health program.

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 experience. The Capstone is a comprehensive oral case presentation and written case report based on a unique patient experience and treatment.
DH 4229 - Oral and Maxillofacial Radiology: Clinic IV (3 cr.)
Exposing patient radiographs, interpretation, panoramic/extraoral technique, quality assurance procedures.

DH 4234 - Leadership and Professional Development (2 cr.)
Dental hygienist as leader/manager in client care. Oral health care delivery, manpower, finance mechanisms, health insurance programs, professional associations, state practice acts, legislation. Ethical, political, and legal issues.

DH 4310 - 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 - 15 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 6 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 3 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: www.admissions.tc.umn.edu/CostsAid/residency.html
  ● Reciprocity Information
HOUSING

University Housing
On & Off Campus
Housing and Residental Life
Comstock Hall East
210 Delaware Street S.E.
Minneapolis, MN 55455-0213
FAX: 612-624-6987
housing@umn.edu
www.umn.edu/housing

U of M Student Family Housing
Commonwealth Terrace
1250 Fifield Place
St. Paul, MN 55108
612-646-7526

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

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

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

Parking and Transportation Services
300 Transportation & Safety Building
511 Washington Avenue S.E.
Minneapolis, MN 55455-0213
E-mail: parking@umn.edu
(612) 626-7275
www.umn.edu/parking
### Dental Hygiene - Estimated Expenses –2017-2018*

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<th>Non-Resident (Returning):</th>
<th>Non-Resident (New):</th>
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**Textbooks/Manuals:**

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**Regional Board Exam C Examination**

| Estimated Cost          | $975.00 |

**Total for 6 Semesters**

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<th>Non-Resident (New)</th>
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* Subject to change without notice.

** Living and other incidental expenses not included.