Program in

DENTAL HYGIENE

80 General Information
80 Admission
81 Degrees
81 Policies
82 Graduation Requirements
82 Licensure and Placement
82 Advising
82 Special Learning Opportunities and Resources
82 International Student Exchange Program
82 Scholarships and Awards
82 Student Organizations
82 Contact Information
83 Degree Program
83 Dental Hygiene B.S.
Program in
**DENTAL HYGIENE**

**General Information**

The University of Minnesota School of Dentistry improves oral and craniofacial health by educating clinicians and scientists who translate knowledge and experience into clinical practice. The school is committed to:

- graduating professionals who provide the highest quality care and service to the people of the state of Minnesota and the world;
- discovering new knowledge through research, which will inspire innovation in the biomedical, behavioral, and clinical sciences; and
- providing oral health care to a diverse patient population in a variety of settings.

The School of Dentistry celebrated its centennial in 1988. In its long history, the school has developed an international reputation for education, research, and service. The School of Dentistry’s professional program in dental hygiene, established in 1919, has an illustrious record of accomplishment and innovation and is one of the country’s premiere programs. It is fully accredited by the Commission on Dental Accreditation and is the only dental hygiene program in Minnesota that grants a baccalaureate degree and is affiliated with a school of dentistry.

Dental hygienists are preventive oral health professionals who have graduated from an accredited dental hygiene program in an institution of higher education and are licensed by states to practice dental hygiene. They provide educational, clinical, research, administrative, consumer advocacy, change agent, and therapeutic services supporting total health through the promotion of optimal oral health.

Dental hygienists practice in settings such as private dental offices and clinics; federal, state, and local health departments or associated institutions; hospitals and long-term care facilities; school districts or departments of education; educational programs for dental, dental hygiene, and dental assisting students; private business or industry; correctional facilities; private and public centers for pediatric, geriatric, and other groups or individuals with special needs; and health maintenance organizations.

The dental hygiene curriculum seeks to train students in a variety of dental hygiene roles and health care settings. The program has developed a new, year-round calendar schedule, which will allow students to earn a bachelor of science degree in three years instead of four. It emphasizes a strong commitment to community outreach and service, and to intellectual development and critical thinking. Graduates complete a baccalaureate degree that blends a solid dental hygiene education with the biological, behavioral, and social sciences; as well as the liberal arts.

The Division of Dental Hygiene also offers a baccalaureate degree completion program for graduates of accredited associate degree programs in dental hygiene who wish to earn a baccalaureate degree.

A new master of dental hygiene program will begin in May 2008. Until now, the opportunity to pursue advanced education in dental hygiene has not been available in Minnesota or in the Midwest Region. With the initiation of this new master’s level program, the division of dental hygiene will offer a portfolio of programs designed to prepare leaders in the profession for practice, research, the health care industry, and academia.

The professional graduate curriculum will prepare dental hygienists to specialize in management or education. The management track will be offered in collaboration with the world-renowned Carlson School of Management. The management curriculum will provide students with an end-to-end perspective of the health care supply chain, linking development of care with the delivery of care. A supervised learning experience (internship) in leading health care industry organizations will allow students to apply classroom theory in real-world business situations.

The education track will prepare dental hygienists with the knowledge and skills to teach didactic, clinic and laboratory courses in dental hygiene programs, including assessing, developing, implementing and evaluating students and courses. In addition, graduates will have the knowledge and skills to conduct research and add to the literature thus advancing the profession of dental hygiene. The education curriculum will also prepare graduates who desire administrative roles in academia. More information is provided at the School of Dentistry Web site: [www.dentistry.umn.edu](http://www.dentistry.umn.edu).

**Admission**

The Division of Dental Hygiene sets its standards and requirements for admission. A strong interest in the natural sciences, and the social and behavioral sciences is required. The division recommends that applicants have a genuine interest in human services and promoting public health and welfare.

The dental hygiene curriculum consists of the preprofessional program in CLA or its equivalent at another regionally accredited institution and the professional program in the School of Dentistry, Division of Dental Hygiene.

Admission to the preprofessional program requires the student to meet the admissions criteria of individual colleges within the University and is subject to CLA’s academic regulations or their equivalent at another institution. Admission to the preprofessional program does not guarantee admission to the professional program.

Admission to the professional program is competitive and occurs once a year for fall semester entry. Applications are accepted from September 15 until December 15. Applications received after the deadline are not considered.

In addition to the application requirements listed for freshmen in the Admission and Prospective Student Services section of this catalog, high school graduates must also have a minimum 2.00 GPA (cumulative, prerequisite, and science coursework) and show evidence of plans for completion of required prerequisite coursework before proposed entry. Documentation indicating completion of all required prerequisite courses must be submitted to the Division of Management by August 15 of year of proposed entry.

Applicants must complete the University of Minnesota’s high school preparation requirements prior to entry into the professional program. See Admission and Prospective Student Services: Freshman Admission in the General Information section of this catalog.

The University’s liberal education requirements must be completed prior to graduation from the program. If not completed prior to entry into the program, these requirements must be completed in conjunction with the curriculum while enrolled in the program.
Students enrolled at the University, Twin Cities campus or students transferring from the University of Minnesota coordinate campuses of Crookston, Duluth, or Morris, must complete an Application for Undergraduate Change of College form. This form is available from the Office of the Registrar, either on the Twin Cities campus or at the home campus. The form with instructions is also available as a PDF on the Web at [www.onestop.umn.edu/onestop/forms.html](http://www.onestop.umn.edu/onestop/forms.html). This form, along with any transcripts from schools outside the University system, must be turned in to the Office of the Registrar at the address given on the Change of College instruction sheet.

Students attending other regionally accredited colleges and universities apply by completing the Application for Undergraduate Admission at [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu) or from the Office of Admissions. Application forms are available from the Office of Admissions, University of Minnesota, 240 Williamson Hall, 231 Pillsbury Drive S.E., Minneapolis, MN 55455, or call 612-625-2008.

The Division of Dental Hygiene requires all applicants who are not native speakers of English to submit written evidence of a Test of English as a Foreign Language (TOEFL) score. A TOEFL score of at least 550 (paper), 213 (computer), or 79 (Internet) is required. The TOEFL must be administered within two years before the date of application to the Division of Dental Hygiene.

To register for the TOEFL, contact the agency that handles TOEFL registration in your country, or the Educational Testing Service (ETS) at least 10 weeks before any scheduled test date. See “Admissions and Prospective Student Services” in the General Information section of this catalog for ETS contact information.

Students admitted to the Division of Dental Hygiene and who require accommodation for a disability should contact Disability Services at 612-626-7379 before the beginning of the semester of entry into the program.

**Degrees**

The School of Dentistry Division of Dental Hygiene offers two program tracks leading to a bachelor of science degree in dental hygiene.

The bachelor of science track is designed for entry-level students; the bachelor of science degree-completion track is tailored to students who have completed an associate degree program in dental hygiene at a regionally accredited institution and who want to earn a baccalaureate degree.

For students who wish to continue their education beyond the undergraduate degree, the Division of Dental Hygiene’s master of dental hygiene (M.D.H.) is designed to prepare leaders in the profession for research, the health care industry, and academia. For more information, visit [www.dentistry.umn.edu/programs/admissions/advanced_programs/grad_hygiene.htm](http://www.dentistry.umn.edu/programs/admissions/advanced_programs/grad_hygiene.htm).

**Policies**

Students who have been admitted to the program must submit documentation of immunizations required by the University and the Academic Health Center, and are strongly encouraged to have completed a physical assessment examination. Students must provide evidence of required immunizations during the first semester in the program.

The American Dental Association Commission on Dental Accreditation requires that all students be able to perform basic life support procedures, including cardiopulmonary resuscitation, and manage other medical emergencies. In compliance with this standard, students are required to take an American Heart Association Basic Life Support Training Course provided by the University of Minnesota Life Support Program and scheduled during the first semester in the program.

Applicants to the program need to be aware of the Minnesota Dental Practice Act HIV and HBV Prevention Policy that affects 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 and/or HBV must report that information to the Commissioner of Health promptly and as soon as medically necessary for disease control purposes, but no later 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 and/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.

Students in the professional program are subject to the regulations established by the Division of Dental Hygiene and must maintain satisfactory academic progress. Satisfactory performance is considered to be not only a passing level in scientific and clinical skills together with theoretical knowledge, but also demonstration of ethical integrity and honesty.

Students not achieving satisfactory progress may be placed on scholastic probation upon recommendation of the Student Scholastic Standing Committee. Students’ work is considered unsatisfactory when they earn less than a C- grade average (1.67 grade points for each credit) for any course in a given year or semester. If students achieve an unsatisfactory grade in a course, remedial work in the course may be provided, if possible; if not, students must repeat the course the next time it is offered. Unsatisfactory grades in two or more courses are sufficient basis for dismissal.

Dental hygiene students may be required to undergo a criminal background study (Criminal Background Study Under State Law, Minnesota Vulnerable Adult Act, as amended 1995 and 1996), in order to have direct contact with patients and residents in hospitals, extended care facilities, and other health care facilities licensed by the Minnesota Department of Health. Failure to pass this background study is grounds for dismissal from the program.
Graduation Requirements
The bachelor’s degree will be recommended for students who have been formally admitted to the entry-level or the degree-completion program, who earn a minimum GPA of 2.00, and have completed all of the required work and the total number of credits specified for the curriculum.

Students with a minimum GPA of 3.75 in upper division courses are granted their degree “with distinction.” Students with a minimum GPA of 3.90 in upper division courses are granted their degree “with high distinction.”

Licensure and Placement
Graduates are eligible for licensure after successfully completing a written National Board Dental Hygiene Examination and a clinical examination, both of which are given on the University’s Minneapolis campus. The licensed dental hygienist practices in accordance with the requirements of individual state dental practice acts. In many states, a dental hygienist must participate in continuing education courses for license renewal.

The School of Dentistry provides placement assistance to dental hygiene graduates through the Minnesota Dental Placement Service at 612-626-0171.

Advising
The Division of Dental Hygiene offers advising services to students currently enrolled or interested in dental hygiene. Group advising sessions are held the first Tuesday of each month, on an appointment basis. To schedule an appointment with a dental hygiene academic adviser, call 612-625-9121 or write 9-372 Malcolm Moos Health Sciences Tower, 515 Delaware Street S.E., Minneapolis, MN 55455; fax 612-625-1605, or e-mail bills007@umn.edu.

The Division of Dental Hygiene provides a student support program to enhance the success of its students. Student performance is monitored and academic assistance is provided through tutoring and consultation. Counseling and advising are available through the division; University Counseling and Consulting Services (612-624-3323), www.uucs.umn.edu; and faculty members of the student’s choosing.

Special Learning Opportunities and Resources
Community Outreach Clinics—Dental hygiene students participate in a number of off-campus Twin Cities and out-state Minnesota week-long, community clinics providing dental hygiene care to populations who typically do not have sufficient access to dental care.

Summer Research Fellowships—The School of Dentistry Summer Research Fellowship Program provides research experiences for exceptional dental hygiene and dental students with an interest in research careers and postgraduate research training.

Sophomore and junior dental hygiene students are invited to apply for research fellowship positions in the spring of each year. If selected, they are assigned to work with a faculty mentor for the summer. During a 10-week period, students collect and analyze data, undertake a structured research project, and prepare a formal report. Research fellows attend a weekly research training seminar where they learn research methods. They also evaluate selected journal articles and review abstracts and oral presentations of former trainees. About 20 students receive stipends each summer.

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.

International Student Exchange Program
Dental hygiene encourages students to participate in an international study experience as part of their degree program. The Division Dental Hygiene has initiated a student exchange program with the University of Bergen, Norway. The goal of the program is to foster a common vision of a world where scientific knowledge, the best available technology, and human fiscal resources are widely disseminated to improve oral health in every region of the world.

Scholarships and Awards
Several scholarships and awards are presented annually by division faculty to selected dental hygiene students. For more information, call 612-625-9121.

Student Organizations
School of Dentistry Student Council—Each year dental hygiene and dental students elect the School of Dentistry Council of Students, which discusses matters of mutual interest with faculty advisers and promotes many projects and activities.

Student Affairs Committee—This committee is composed of dental hygiene and dental students and faculty members and is responsible for students’ concerns such as membership in local and national organizations, ethics, counseling, tutorial assistance, questions on educational programs, financial aid, publications, housing, and alumni relations.

Student American Dental Hygienists’ Association—Dental hygiene students participate in the student chapter of the national association, which represents concerns and issues related to the dental hygiene profession. Membership fees entitle students to various journals and special services.

Council for Health Interdisciplinary Participation (CHIP)—Dental hygiene students are encouraged to participate in the activities of the Academic Health Center CHIP.

Contact Information
For more information, contact:

Division of Dental Hygiene
9-372 Moos Tower
515 Delaware Street S.E.
Minneapolis, MN 55455
612-625-9121

E-mail: Dhapply@umn.edu
Web site: www.dentistry.umn.edu
Dental Hygiene B.S.

Preventive Sciences
• Required credits to graduate with this degree: 132.
• Required credits within the major: 90.
• This program requires summer terms.

The program blends a solid dental hygiene education with study of the biological, behavioral, and social sciences, and liberal arts. Two program tracks are available, both leading to a B.S. degree in dental hygiene: B.S. degree program, for entry-level students; and B.S. degree completion program, for students who have completed an associate degree program in dental hygiene at a regionally accredited institution and who want to earn a baccalaureate degree.

Admission Requirements
Students must complete 33 credits before admission to the program.
Freshmen students are usually admitted to pre-major status before admission to this major.
For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu).

Required Courses for Admission
Pre-Dental Hygiene Program
Students in the B.S. degree completion program who have not completed these requirements as part of their associate degree should contact a dental hygiene adviser.
BIOL 1009—General Biology, BIOL SCI/L (4 cr)
COMM 1101—Introduction to Public Speaking (3 cr)
FSCN 1112—Principles of Nutrition, ENVT (3 cr)
PSY 1001—Introduction to Psychology, SSCI (4 cr)
SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
PHSL 3051—Human Physiology (4 cr)

or
CHEM 1021—Chemical Principles I, ENVT, PHYS SCI/L (4 cr)

or
PSTL 1135—Human Anatomy and Physiology, BIOL SCI/L (4 cr)

or
ANAT 3001—Human Anatomy (3 cr)

or
ANAT 3601—Principles of Human Anatomy (3 cr)

Required Courses for the Program
Year One Fall Courses
BIOC 2011—Biochemistry for the Agricultural and Health Sciences (3 cr)
DH 2111—Dental Anatomy (2 cr)
DH 2121—The Dental Hygiene Care Process Clinical Application I (5 cr)
DH 2132—Head and Neck Anatomy (1 cr)
MICB 4001—Microorganisms and Disease (2 cr)

Year One Spring Courses
DH 2212—Dental Hygienist-Patient Relationship (2 cr)
DH 2215—Oral Histology and Embryology (2 cr)
DH 2221—Periodontology (3 cr)
DH 2222—Dental Hygiene Care Process Clinical Application II (3 cr)
DH 2231—Cariology and Applied Nutrition in Dental Hygiene Care (3 cr)
STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)

Year One Summer Courses
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)
DH 3126—Oral and Maxillofacial Radiology Clinic I (0 cr)
DH 3133—Pharmacology (2 cr)
DH 3134—Pediatric Dentistry (1 cr)
DH 3151—Oral and Maxillofacial Radiology (2 cr)

Year Two Fall Courses
DH 3211—Biomaterials and Principles of Restorative Techniques I (4 cr)
DH 3224W—Dental Hygiene Care Process Clinical Application IV, WI (4 cr)
DH 3227—Oral and Maxillofacial Radiology Clinic II (0 cr)
DH 3228—Ethics and Jurisprudence for the Dental Hygienist (1 cr)
DH 3234—Oral and Maxillofacial Radiology: Theory, Principles, and Radiographic Analysis (2 cr)
DH 3238—Dental Public Health and Academic Service Learning (3 cr)

Year Two Spring Courses
DH 4125W—The Dental Hygiene Care Process Clinical Application V, WI (1–6 cr)
DH 4128—Oral and Maxillofacial Radiology Clinic III (0 cr)
DH 4130—Management and Supervision of a Dental Practice (2 cr)
DH 4135W—Research Methods in Dental Hygiene, WI (3 cr)
DH 4136—Periodontology III Lecture (1 cr)
DH 4139—Dental Public Health and Academic Service Learning II (2 cr)
WRIT 3562W—Technical and Professional Writing, WI (4 cr)

Year Two Summer Courses
DH 4211—Principles of Restorative Techniques II (3 cr)
DH 4226W—The Dental Hygiene Care Process Clinical Application VI (1–5 cr)
DH 4229—Oral and Maxillofacial Radiology Clinic IV (3 cr)
DH 4234—Leadership and Professional Development (2 cr)

Program Sub-Plans
A sub-plan is not required for this program.

Degree Completion Program
This online program is for students who have completed an associate degree program in dental hygiene at a regionally accredited institution and who want to earn a baccalaureate degree.
Students in the B.S. degree-completion program must fulfill the following requirements:
• Associate degree program in dental hygiene at an accredited institution (about 60–74 semester credits)
• University liberal education requirements for a B.S. degree (20–30 cr)
• Electives as needed to fulfill the 120-credit requirement
• Core dental hygiene courses:
  • DH 3231W—Research Methods in Dental Hygiene
  • DH 4301—Dental Hygiene Theory
  • DH 4302—Dental Hygiene Care: for Special Needs Patients
  • DH 4303—Information Literacy
  • WRIT 3562W—Professional Communication of Dental Hygiene

PSTL 1004—Statistics

For the most up-to-date listing of program requirements, visit the Online Catalog at [www.catalogs.umn.edu/programs.htm](http://www.catalogs.umn.edu/programs.html).