Dental Hygiene

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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
- 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, and 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.

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.

Requirements for application include: high school graduate; ACT, PSAT, or SAT scores; transcripts of all high school and college courses; minimum 2.00 GPA (cumulative, preprofessional, and science coursework); and evidence of plans for completion of specified preprofessional coursework before proposed entry. Documentation indicating completion of all required preprofessional courses must be submitted to the Division of Dental Hygiene 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 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 http://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 on the Web 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 79 on the Internet-based version (550 on the written version or 213 on the computer-based exam) 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 write to the Educational Testing Service (Box 899, Princeton, NJ 08541) at least 10 weeks before any scheduled test date.

Students admitted to the Division of Dental Hygiene and who require accommodation for a disability should contact the Office of 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 B.S. degree program track is designed for entry-level students; the B.S. degree-completion program 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.

Policies
Students who have been admitted to the program must submit documentation of immunizations required by the University and are strongly encouraged to have completed a physical assessment examination. Students must provide evidence of completion of a Hepatitis B vaccination 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 sophomore and senior year orientation sessions.

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 process. Satisfactory performance is considered to be not only a passing level in scientific and clinical skills together with theoretical knowledge, but also 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 krue0191@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, and faculty 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 ten-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 Programs
Dental hygiene encourages students to participate in an international study experience as part of their degree program. See Learning Abroad in the General Information section of this catalog.

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.

Directory
Administrative Offices
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Christine Blue, B.S.D.H., M.S., Interim Director
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612-625-5954
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E-mail: bluex005@umn.edu

Student Services and Advising
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Fax: 612-625-1605
E-mail: krue0191@umn.edu

School of Dentistry Web site
www.dentistry.umn.edu

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.
Dental Hygiene

Degree Program

Dental Hygiene B.S.

Requirements for this program are current for Fall 2006.

Required credits to graduate with this degree: 120.
Required credits within the major: 95.
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 32 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 the Office of Admissions Web site at 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 (4.0 cr)
CHEM 1021 - Chemical Principles I, ENVT, PHYS SCI/L (4.0 cr)
COMM 1101 - Introduction to Public Speaking (3.0 cr)
FSCN 1112 - Principles of Nutrition, ENVT (3.0 cr)
PSY 1001 - Introduction to Psychology, SSCI (4.0 cr)
SOC 1001 - Introduction to Sociology, CD, SSCI (4.0 cr)
STAT 1001 - Introduction to the Ideas of Statistics, MATH (4.0 cr)

Required Courses

Required Courses

Sophomore Year Courses

DH 2235 and 3134 should be taken during May Term of the second year.

BIOC 1001 - General Biochemistry (3.0 cr)
DH 2111 - Dental Anatomy (2.0 cr)
DH 2121 - The Dental Hygiene Care Process Clinical Application I (5.0 cr)
DH 2132 - Head and Neck Anatomy (1.0 cr)
DH 2210 - General and Oral Pathology (2.0 cr)
DH 2211 - Oral Histology and Embryology (2.0 cr)
DH 2212 - Dental Hygienist-Patient Relationship (2.0 cr)
DH 2221 - Periodontology (3.0 cr)
DH 2222 - Dental Hygiene Care Process Clinical Application II (1.0-4.0 cr)
DH 2223I - Cariology (2.0 cr)
DH 2225 - Oral and Maxillofacial Radiology (2.0 cr)
DH 3134 - Dental Hygiene Care for Pediatric Patients (1.0 cr)

DH 4137 - Patient Care Group III (PCGs) (1.0 cr)
DH 4131 - Epidemiology, Prevention, Dental Public Health, and Community Outreach (3.0 cr)
DH 4132 - Local Anesthesia and Pain Management (2.0 cr)
DH 4132W - The Dental Hygiene Care Process Clinical Application V , WI (1.0-4.0 cr)
DH 4133 - Pharmacology (2.0 cr)
DH 4134 - Research Methods in Dental Hygiene, WI (3.0 cr)
DH 4135 - Oral and Maxillofacial Radiology: Theory, Principles, and Radiographic Analysis (2.0 cr)
DH 4221 - Local Anesthesia and Pain Management (2.0 cr)
DH 4224W - The Dental Hygiene Care Process Clinical Application IV, WI (1.0-4.0 cr)
DH 4226 - Dental Hygiene Care Process Clinical Application VI (1.0-5.0 cr)
DH 4227 - Oral and Maxillofacial Radiology Clinic II (0.0 cr)
DH 4228 - Oral and Maxillofacial Radiology Clinic III (0.0 cr)
DH 4229 - Oral and Maxillofacial Radiology Clinic IV (3.0 cr)
DH 4230 - Local Anesthesia and Pain Management (2.0 cr)
DH 4231 - Periodontology II Lecture (1.0 cr)
DH 4232W - The Dental Hygiene Care Process Clinical Application IV , WI (1.0-4.0 cr)
DH 4233 - Legislative, Social, Economic, and Practice Factors in Oral Health and Special Needs (2.0 cr)
DH 4234 - Patient Care Group IV (1.0 cr)
DH 4235 - Dental Hygiene Care for the Geriatric Patient and the Patient With Special Needs (2.0 cr)
DH 4236 - Patient Care Group V (1.0 cr)
RHET 3562W - Technical and Professional Writing, WI (4.0 cr)

Senior Year Courses

DH 4125W - The Dental Hygiene Care Process Clinical Application V, WI (1.0-7.0 cr)
DH 4126 - Oral and Maxillofacial Radiology Clinic III (0.0 cr)
DH 4131 - Epidemiology, Prevention, Dental Public Health, and Community Outreach (3.0 cr)
DH 4132W - Ethics, Jurisprudence, and Principles of Practice, WI (2.0 cr)
DH 4137 - Patient Care Group III (PCGs) (1.0 cr)
DH 4226 - Dental Hygiene Care Process Clinical Application VI (1.0-5.0 cr)
DH 4229 - Oral and Maxillofacial Radiology Clinic IV (3.0 cr)
DH 4231 - Periodontology III Lecture (1.0 cr)
DH 4232 - Community Outreach (1.0 cr)
DH 4233 - Legislative, Social, Economic, and Practice Factors in Oral Health and Special Needs (2.0 cr)
DH 4234 - Patient Care Group IV (1.0 cr)

Electives

Students must take from 8 to 16 credits to complete the 85 credits required for the major.

Take 8 or more credit(s) from the following:

DH 4211 - Principles of Restorative Techniques II (3.0 cr)
DH 4250 - Dental Hygiene Community Outreach Elective (0.0-8.0 cr)
DH 2191 - Independent Study (0.0-6.0 cr)
DH 3191 - Independent Study (0.0-4.0 cr)
DH 4122W - The Dental Hygiene Care Process Clinical Application IV (1.0-4.0 cr)
DH 4227 - Advanced Dental Hygiene Clinical Experience I (0.0-6.0 cr)
DH 4228 - Advanced Dental Hygiene Clinical Experience II (0.0-6.0 cr)

Program Sub-plans

A sub-plan is not required for this program.

Degree Completion Program

This 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:

Program Requirements

Required Courses

DH 1009 - General Biology, BIOL SCI/L (4.0 cr)
CHEM 1021 - Chemical Principles I, ENVT, PHYS SCI/L (4.0 cr)
COMM 1101 - Introduction to Public Speaking (3.0 cr)
FSCN 1112 - Principles of Nutrition, ENVT (3.0 cr)
INMD 3001 - Human Anatomy (3.0 cr)
PSY 1001 - Introduction to Psychology, SSCI (4.0 cr)
SOC 1001 - Introduction to Sociology, CD, SSCI (4.0 cr)
STAT 1001 - Introduction to the Ideas of Statistics, MATH (4.0 cr)

Junior Year Courses

PHSL 3051 - Human Physiology (4.0 cr)
RHET 3562W - Technical and Professional Writing, WI (4.0 cr)

Senior Year Courses

DH 4125W - The Dental Hygiene Care Process Clinical Application V, WI (1.0-7.0 cr)
DH 4126 - Oral and Maxillofacial Radiology Clinic III (0.0 cr)
DH 4131 - Epidemiology, Prevention, Dental Public Health, and Community Outreach (3.0 cr)
DH 4132W - Ethics, Jurisprudence, and Principles of Practice, WI (2.0 cr)
DH 4137 - Patient Care Group III (PCGs) (1.0 cr)
DH 4226 - Dental Hygiene Care Process Clinical Application VI (1.0-5.0 cr)
DH 4229 - Oral and Maxillofacial Radiology Clinic IV (3.0 cr)
DH 4231 - Periodontology III Lecture (1.0 cr)
DH 4232 - Community Outreach (1.0 cr)
DH 4233 - Legislative, Social, Economic, and Practice Factors in Oral Health and Special Needs (2.0 cr)
DH 4234 - Patient Care Group IV (1.0 cr)

Electives

Students must take from 8 to 16 credits to complete the 85 credits required for the major.

Take 8 or more credit(s) from the following:

DH 4211 - Principles of Restorative Techniques II (3.0 cr)
DH 4250 - Dental Hygiene Community Outreach Elective (0.0-8.0 cr)
DH 2191 - Independent Study (0.0-6.0 cr)
DH 3191 - Independent Study (0.0-4.0 cr)
DH 4122W - The Dental Hygiene Care Process Clinical Application IV (1.0-4.0 cr)
DH 4227 - Advanced Dental Hygiene Clinical Experience I (0.0-6.0 cr)
DH 4228 - Advanced Dental Hygiene Clinical Experience II (0.0-6.0 cr)
• 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 321W - Research Methods in Dental Hygiene
  DH 4292 - Curriculum Development in Dental Hygiene
  DH 4293 - Course Development in Dental Hygiene
  DH 4294W - Directed Research
  DH 4295 - Instructional Methods in Dental Hygiene Education
  DH 4296 - Issues in Dental Hygiene
  DH 4297 - Dental Hygiene Education: Supervised Teaching
  DH 4298W - Dental Hygiene Process of Care: Clinical Application