



### **Twin Cities Campus**

## **Dentistry M.S.**

*Dent Dean, Office of the*

### **School of Dentistry**

Link to a [list of faculty](#) for this program.

#### **Contact Information:**

M.S.-Dentistry Program, 15-136 Moos Tower, 515 Delaware Street, S.E., Minneapolis, MN 55455 (612-624-9900; fax: 612-624-0027)

Email: [msdentistry@umn.edu](mailto:msdentistry@umn.edu)

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

- Program Type: Master's
- Requirements for this program are current for Spring 2019
- Length of program in credits: 30
- This program requires summer semesters for timely completion.
- Degree: Master of Science

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The MS program in dentistry prepares dentists with clinical expertise for positions of leadership in education, research, and program administration in the oral health field. A multidisciplinary faculty of dental educators, researchers, and clinicians teach the program, which is housed in the School of Dentistry. All students complete core coursework in teaching and evaluation of dentistry, research methods, and health care administration. Additional advanced coursework is offered in these same focus areas, as well as in selected clinical and oral science topics with multidisciplinary impact, including conscious sedation, craniofacial pain, geriatrics, oral biology, oral medicine and radiology, oral pathology, practice administration, and psychology. Students have flexibility in planning individualized programs to accommodate their specific areas of interest, and courses from other disciplines may be included for credit in the major area.

Students enrolled in an advanced clinical dental training program may be admitted to the dentistry graduate program for concurrent study, but must carefully plan their curriculum with their faculty adviser and the director of graduate studies so that their residency and M.S. programs are appropriately integrated and satisfy University registration requirements. Programs in the School of Dentistry that may enroll students for the MS degree include: General Practice Residency, Endodontics, Geriatrics, Orthodontics, Pediatric dentistry, Periodontics, Prosthodontics and Orofacial Pain

## **Program Delivery**

This program is available:

- via classroom (the majority of instruction is face-to-face)

## **Prerequisites for Admission**

The preferred undergraduate GPA for admittance to the program is 3.00.

DDS/DMD or equivalent from accredited US institution or recognized foreign school. Clinical residency enrollment and 3.0 GPA or rank in top quarter of graduating professional school class preferred.

Other requirements to be completed before admission:

Applicants must submit three letters of recommendation from individuals familiar with their academic capabilities. Also required is a brief essay (under 500 words) which relates the applicant's career goals to the goals of the program. Applications are received and reviewed throughout the year. Students may enter the program in any semester at the discretion of program faculty.

International applicants must submit score(s) from one of the following tests:

- TOEFL
  - Internet Based - Total Score: 80
  - Paper Based - Total Score: 600

The preferred English language test is Test of English as Foreign Language

Key to [test abbreviations](#)(TOEFL).

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.



## Program Requirements

**Plan A:** Plan A requires 14 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

**Plan B:** Plan B requires 24 major credits and 6 credits outside the major. The final exam is oral.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

At least 2 semesters must be completed before filing a Degree Program Form.

Students must complete training in the responsible conduct of research.

### Core Coursework (8-9 Credits)

All students must select at least 8 credits, in consultation with the advisor, from the following list:

#### Required Courses

Three core courses are required.

[GRAD 8200](#) - Teaching and Learning Topics in Higher Education (1.0 cr)

[OBIO 5001](#) - Methods in Research and Writing (2.0 cr)

[PUBH 6414](#) - Biostatistical Literacy (3.0 cr)

#### Health Care Administration Course

At least one course is required.

[PUBH 6751](#) - Principles of Management in Health Services Organizations (2.0 cr)

or [PUBH 6724](#) - The Health Care System and Public Health (3.0 cr)

### Plan A Thesis Credits

Plan A students must take at least 10 master's thesis credits.

[DENT 8777](#) - Thesis Credits: Master's (1.0 - 18.0 cr)

### Topics Areas

Students must complete one topic area.

### Periodontology (12 to 22 Credits)

Plan A students pursuing the periodontology topic area must select at least 12 credits, and Plan B students must take at least 22 credits from the following list, in consultation with the advisor:

[ANAT 7999](#) - Head and Neck Anatomy (3.0 cr)

[OSUR 5277](#) - Physical Diagnosis for Oral Surgery Residents (2.0 cr)

[DENT 7102](#) - Conscious Sedation (2.0 cr)

[DENT 8114](#) - Topics in Advanced Periodontology: Literature Review (2.0 cr)

[DENT 7051](#) - Advanced Study in the Theory and Principles of Oral Medicine (2.0 cr)

[OBIO 8012](#) - Basic Concepts in Skeletal Biology (2.0 cr)

[DENT 7061](#) - Special Oral Pathology I (1.0 cr)

[DENT 7062](#) - Special Oral Pathology II (1.0 cr)

[DENT 7052](#) - Oral and Maxillofacial Radiologic Interpretation (2.0 cr)

[DENT 7101](#) - Management Philosophy for Dental Practices (1.0 cr)

[DENT 8101](#) - Dental Implantology: A Multidisciplinary Approach (1.0 cr)

-OR-

### General Practice Residency (12 to 22 Credits)

Plan A students pursuing the general practice residency topic area must select at least 12 credits from the following, in consultation with the advisor. Plan B students must select at least 22 credits from the following and in consultation with the advisor:

[DENT 7051](#) - Advanced Study in the Theory and Principles of Oral Medicine (2.0 cr)

[DENT 7102](#) - Conscious Sedation (2.0 cr)

[DENT 7123](#) - Temporomandibular Disorders and Orofacial Pain (1.0 cr)

[DENT 7052](#) - Oral and Maxillofacial Radiologic Interpretation (2.0 cr)

[DENT 7061](#) - Special Oral Pathology I (1.0 cr)

[DENT 7062](#) - Special Oral Pathology II (1.0 cr)

[DENT 7101](#) - Management Philosophy for Dental Practices (1.0 cr)

[DENT 8121](#) - Current Literature in TMD and Orofacial Pain (1.0 cr)



-OR-

**TMD, Orofacial Pain & Dental Sleep Medicine (12 to 22 Credits)**

Plan A students pursuing the TMD, orofacial pain and dental sleep medicine topic area must select at least 12 credits, and Plan B students must take at least 22 credits from the following list, in consultation with the advisor:

- OSUR 5277 - Physical Diagnosis for Oral Surgery Residents (2.0 cr)
- ANAT 7999 - Head and Neck Anatomy (3.0 cr)
- DENT 8121 - Current Literature in TMD and Orofacial Pain (1.0 cr)
- DENT 7121 - Psychological Issues in Medical and Dental Patient Management (1.0 cr)
- DENT 7052 - Oral and Maxillofacial Radiologic Interpretation (2.0 cr)
- DENT 8120 - Advanced Principles and Techniques of Orofacial Pain Disorders (2.0 cr)
- DENT 7051 - Advanced Study in the Theory and Principles of Oral Medicine (2.0 cr)
- DENT 8123 - Advanced Topics in Orofacial Pain (2.0 cr)

-OR-

**Endodontics (12 to 22 Credits)**

Plan A students pursuing the endodontics topic area must select at least 12 credits from the following, in consultation with the advisor. Plan B students must select at least 22 credits from the following and in consultation with the advisor:

- DENT 7102 - Conscious Sedation (2.0 cr)
- DENT 7051 - Advanced Study in the Theory and Principles of Oral Medicine (2.0 cr)
- DENT 7052 - Oral and Maxillofacial Radiologic Interpretation (2.0 cr)
- DENT 7021 - Contemporary Diagnosis and Management of Orofacial Pain (1.0 cr)
- DENT 7062 - Special Oral Pathology II (1.0 cr)
- DENT 7061 - Special Oral Pathology I (1.0 cr)
- ANAT 7999 - Head and Neck Anatomy (3.0 cr)
- DENT 7101 - Management Philosophy for Dental Practices (1.0 cr)

-OR-

**Prosthodontics (12 to 22 Credits)**

Plan A students pursuing the prosthodontics topic area must select at least 12 credits, and Plan B students must take at least 22 credits from the following list, in consultation with the advisor:

- ANAT 7999 - Head and Neck Anatomy (3.0 cr)
- DENT 7220 - Prosthetically-Driven Implant Surgery and Treatment Planning (1.0 cr)
- DENT 7102 - Conscious Sedation (2.0 cr)
- DENT 7112 - Treatment Planning Seminar (2.0 cr)
- DENT 7111 - Current Literature Review in Dentistry (2.0 cr)
- DENT 7052 - Oral and Maxillofacial Radiologic Interpretation (2.0 cr)
- DENT 8101 - Dental Implantology: A Multidisciplinary Approach (1.0 cr)
- DENT 7411 - Dental Biomaterials in Prosthodontics (1.0 cr)
- DENT 7123 - Temporomandibular Disorders and Orofacial Pain (1.0 cr)
- DENT 7061 - Special Oral Pathology I (1.0 cr)
- DENT 7062 - Special Oral Pathology II (1.0 cr)
- PERO 7321 - Periodontics/Orthodontics Seminar (1.0 cr)
- PERO 7322 - Multidisciplinary Treatment Seminar in Dentistry Related to Periodontics (0.5 cr)
- DENT 7051 - Advanced Study in the Theory and Principles of Oral Medicine (2.0 cr)
- DENT 7101 - Management Philosophy for Dental Practices (1.0 cr)

-OR-

**Orthodontics (12 to 22 Credits)**

Plan A students pursuing the orthodontics topic area must select at least 12 credits from the following, in consultation with the advisor. Plan B students must select at least 22 credits from the following and in consultation with the advisor:

- ANAT 7999 - Head and Neck Anatomy (3.0 cr)
- DENT 8091 - Interdisciplinary Care of the Cleft Palate Patient (1.0 cr)
- DENT 7061 - Special Oral Pathology I (1.0 cr)
- PERO 7321 - Periodontics/Orthodontics Seminar (1.0 cr)
- DENT 7062 - Special Oral Pathology II (1.0 cr)
- DENT 8081 - Clinical Topics in TMD (2.0 cr)
- OBIO 8012 - Basic Concepts in Skeletal Biology (2.0 cr)
- DENT 7082 - Craniofacial Growth and Development (2.0 cr)