

# ENDODONTICS, MSD

**Degree:** Master of Science in Dentistry (MSD)

**Field of Study:** Endodontics

## Program Overview

The graduate endodontics program is a continuous 24-month master's degree (Master of Science in Dentistry) and certificate program commencing the beginning of July each year. It has two full-time faculty (one full-time director) and 5 part-time clinical faculty members. The program is concerned with developing competent, skilled clinicians with teaching and research competence.

To achieve these objectives, the program provides an extensive background in both scientific and clinical knowledge. The curriculum is designed to fulfill the requirements of the American Board of Endodontics and promote Diplomates.

The program prepares specialists in the fields of diagnosis, all phases of treatment, and prevention of pulpal and periapical dental disease. It provides training in research design and methodology as it relates to pulpal, dentinal, periodontal, and related clinical areas, preparing the resident for teaching responsibilities in undergraduate, postgraduate, and graduate levels.

A top of the line surgical microscope is required by the program for teaching a variety of microscopic surgery techniques.

The curriculum includes bone grafting, guided tissue regeneration, and IV sedation.

The presentation of multiple table clinics is required.

## Admission

Information about admission to the Endodontic program can be found on the School of Dental Medicine website.

<https://case.edu/dental/departments-programs/endodontics/endodontic-residency-program>

## Program Requirements

The residency program fulfills all standards described by the Commission on Dental Accreditation (CODA) for specialty training in Endodontics.

## Sample Plan of Study

### First Year

Fall		Hours
DENT 513	Anatomy of the Head and Neck	0-3
DENT 698	Multidisciplinary Seminar	0 - .5
DENT 510	Epidemiology and Biostatistics	0-3
DENT 518	Behavioral Considerations in Oral Health Care	0-1
DENT 555	Management of Medical Emergencies	0-1
DENT 512	Advanced Oral Pathology	0-3
DNDO 529	Endodontology	3
DNDO 539	Endodontic Literature Review	3

DNDO 551	Clinical Endodontic Specialty	3
<b>Hours</b>		<b>9-20.5</b>

### Spring

DENT 501	Biological Aspects of the Stomatological System	0-2
DENT 502	Correlative Medical Science	0-2
DENT 698	Multidisciplinary Seminar	0 - .5
DENT 516	Microbiology, Immunology, and Immune Systems	0-3
DENT 550	Clinical Pharmacology	0-1
DENT 514	Research Methods: Preparation	0-1
DNDO 529	Endodontology	3
DNDO 539	Endodontic Literature Review	3
DNDO 551	Clinical Endodontic Specialty	3
DENT 509	Temporomandibular Disorders, Orofacial Pain and Sleep Disorders	0-3
DNDO 651	Sedation in Endodontic Practice	1-3
<b>Hours</b>		<b>10-24.5</b>

### Second Year

#### Fall

DENT 698	Multidisciplinary Seminar	0 - .5
DENT 651	Thesis M.S.D.	1-9
DNDO 529	Endodontology	3
DNDO 539	Endodontic Literature Review	3
DNDO 551	Clinical Endodontic Specialty	3
<b>Hours</b>		<b>10-18.5</b>

#### Spring

DENT 698	Multidisciplinary Seminar	0 - .5
DENT 651	Thesis M.S.D.	1-9
DNDO 529	Endodontology	3
DNDO 539	Endodontic Literature Review	3
DNDO 551	Clinical Endodontic Specialty	3
<b>Hours</b>		<b>10-18.5</b>

**Total Hours** **39-82**