

# PERIODONTICS, MSD

**More Information:** <https://case.edu/dental/departments-programs/periodontics/>

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

**Field of Study:** Periodontics

## Program Overview

The graduate program in periodontics is a thirty-six month, continuous course of study, leading to both a certificate in Periodontics and a Master of Science in Dentistry degree. It is a fully accredited program by the Commission on Dental Accreditation and meets all the clinical and didactic requirements of the American Board of Periodontology.

The general goals of the program are to train expert clinicians in this specialty, and/or to prepare individuals for an academic (research-teaching) career in Periodontics.

This postdoctoral program offers broad clinical experience and research training.

Completion and defense of a research thesis is one of the requirements of this program. Limited teaching experience is offered to the graduate student so that their exposure to clinical, research and teaching facets of periodontics is complete. All of the faculty of the Department of Periodontics involved in teaching graduate students in this program are educationally or board certified periodontists. Additional instruction within this program is by faculty members of the School of Dental Medicine and the School of Medicine. Because of the multiplicity of training programs our professors have completed, the student is exposed to diverse views on diagnosis, prevention, and treatment of periodontal diseases. A brief initial review of basic aspects of periodontology introduces the new graduate student to specialty training during the summer session. Extensive contact with practicing periodontists, sufficient exposure to hospital periodontal practice, and clinical training in dental implants and conscious sedation are additional features of this program.

## Admission

More information about admission to the periodontics program can be found on the School of Dental Medicine website.

## Program Requirements

The following courses are required for the postdoctoral student:

- Advanced Periodontal Seminar - ongoing for 3 years
- Literature Review in Periodontology- ongoing for 3 years
- Periodontal Conferences - ongoing for 3 years
- Clinical Periodontics- ongoing for 3 year
- Advanced Principles of Occlusion - 1 semester
- Conscious Sedation - 1 semester (didactic, 2nd year), ongoing for 2 years (clinical)
- Implant Dentistry - 1 semester (didactic, 2nd year), ongoing for 2 years (clinical)
- Research Thesis - ongoing for 2 year
- Periodontal Prosthesis - one semester
- Microbiology, Immunology and the Immune Response - 1 semester
- Management of Medical Emergencies - 1 summer session
- Anatomy of the Head and Neck - 1 summer session
- Limited Tooth Movement - 1 summer session
- Biological Aspects of the Stomatological System - 1 semester
- Correlative Medical Science - 1 semester
- Introduction to Research Methods - one semester
- Advanced Oral Pathology - one semester
- Epidemiology and Biostatistics - 1 semester
- Interdisciplinary Seminar - one semester
- Clinical Pharmacology - one semester
- Creative Thinking in Research Development - 1 semester
- 2-week hospital rotation

## Sample Plan of Study

### First Year

Fall		Hours
DENT 510	Epidemiology and Biostatistics	0 - 3
DENT 512	Advanced Oral Pathology	0 - 3
DENT 513	Anatomy of the Head and Neck (summer/fall)	0 - 3
DENT 514	Research Methods: Preparation (summer/fall)	0 - 1
DENT 555	Management of Medical Emergencies	0 - 1
DPER 557	Treatment Planning Seminar	0 - 3
DPER 577	Clinical Periodontics	0 - 6
DENT 586	Limited Tooth Movement for the Dental Specialist (summer/fall)	0 - 1
DPER 685	Classic Periodontal Literature Review	0 - 3
<b>Hours</b>		<b>0-24</b>

### Spring

DENT 501	Biological Aspects of the Stomatological System	0 - 2
DENT 502	Correlative Medical Science	0 - 2
DENT 514	Research Methods: Preparation	0 - 1
DENT 698	Multidisciplinary Seminar	0 - .5
DENT 516	Microbiology, Immunology, and Immune Systems	0 - 3
DENT 518	Behavioral Considerations in Oral Health Care	0 - 1
DENT 550	Clinical Pharmacology	0 - 1
DPER 557	Treatment Planning Seminar	0 - 3
DPER 577	Clinical Periodontics	0 - 6
DPER 685	Classic Periodontal Literature Review	0 - 3
<b>Hours</b>		<b>0-22.5</b>

### Second Year

Fall		Hours
DPER 557	Treatment Planning Seminar	0 - 3
DENT 564	Advanced Principles of Occlusion (summer/fall - alternate years)	1
DPER 577	Clinical Periodontics	0 - 6
DENT 586	Limited Tooth Movement for the Dental Specialist (summer/fall)	0 - 1
DENT 587	Periodontal Prosthesis (summer/fall)	1

DENT 651	Thesis M.S.D. (summer/fall)	1 - 9
DENT 661	Conscious IV Sedation I (summer/fall)	2
DENT 662	Conscious IV Sedation II (summer/fall)	0 - 6
DENT 663	Implant Dentistry I Periodontics (summer/fall)	0 - 1
DPER 685	Classic Periodontal Literature Review	0 - 3
<b>Hours</b>		<b>5-33</b>
<b>Spring</b>		
DPER 557	Treatment Planning Seminar	0 - 3
DPER 577	Clinical Periodontics	0 - 6
DENT 587	Periodontal Prosthesis	1
DENT 651	Thesis M.S.D.	1 - 9
DENT 662	Conscious IV Sedation II	0 - 6
DENT 664	Implant Dentistry II Periodontics	0 - 6
DPER 685	Classic Periodontal Literature Review	0 - 3
<b>Hours</b>		<b>2-34</b>
<b>Total Hours</b>		<b>7-113.5</b>