

ENDODONTICS, CERTIFICATE

The University of Pennsylvania School of Dental Medicine has the unique honor of being the birthplace of modern Endodontics with Dr. Louis Grossman, the father of modern Endodontics, having established the Penn Dental Medicine Endodontic program.

The Endodontic program is designed to provide postgraduate students with advanced training in Endodontics, and upon its successful completion, students are eligible for the specialty Board of Endodontics. The highly respected research environment at Penn Dental Medicine and throughout the University of Pennsylvania provides a valuable opportunity for students applying to residency programs to combine their specialty training with advanced research and academic opportunities.

In addition to the core basic science courses required for all postgraduate students, the Endodontic Department arranges further basic science courses related to the specialty. Clinical seminars, planned reading seminars, and an extensive guest lecture series are also part of the educational experience.

Additional Program Options

Penn Dental Medicine also offers a Master of Science in Oral Biology (MSOB) and a Doctor of Science in Dentistry (DScD) that can be earned concurrent with a specialty certificate, preparing students to successfully enter the field of academic dentistry while also becoming skilled clinicians in specialty care. Through the MSOB and DScD programs, students are encouraged to pursue their individual research interests with projects that can span the diverse disciplines and research labs within Penn Dental Medicine's basic and clinical sciences and across the University.

This degree requires a minimum of 160 Credit Hours.

Curriculum

Program Timelines

- Academic Track
 - MSOB and Certificate: 3 years
 - DScD and Certificate: 5 years
- Clinical Certificate Track
 - Certificate only: 2 years

For more information: https://www.dental.upenn.edu/academic_programs_admissions/graduate_dental_education_programs/endodontic_residency_program (https://www.dental.upenn.edu/academic_programs_admissions/graduate_dental_education_programs/endodontic_residency_program/)

Code	Title	Course Units
PGY1		
<i>Fall</i>		
GEND 9001	Introduction to Advanced Endodontics Textbook Review	
GEND 9011	Introduction to Advanced Endodontics Lab	
GEND 9021	Topic Presentation I	
GEND 9031	Clinical Conference I	

GEND 9041	Literature Review I
GEND 9051	Guest Lecture Series I
GEND 9091	Clinical Endodontics I
GEND 9101	Endodontic Research I

Spring

GEND 9022	Topic Presentation II
GEND 9032	Clinical Conference II
GEND 9042	Literature Review II
GEND 9052	Guest Lecture Series II
GEND 9092	Clinical Endodontics II
GEND 9102	Endodontic Research II

PGY2

Fall

GEND 9023	Topic Presentation III
GEND 9033	Clinical Conference III
GEND 9043	Literature Review III
GEND 9053	Guest Lecture Series III
GEND 9093	Clinical Endodontics III
GEND 9103	Endodontic Research III

Spring

GEND 9024	Topic Presentation IV
GEND 9034	Clinical Conference IV
GEND 9044	Literature Review IV
GEND 9054	Guest Lecture Series IV
GEND 9094	Clinical Endodontics IV
GEND 9104	Endodontic Research IV

Every other year

GEND 9071 & GEND 9081	Pulp Biology Fall and Dental Trauma Fall
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GEND 9072 & GEND 9082	Pulp Biology Spring and Dental Trauma Spring
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All Dental Medicine certificate students share a common core of required courses throughout the first year. In addition, students complete additional courses specific to their particular program.

Program Requirements (Certificate Only)

- Core Graduate Dental Education Courses (Year 1 only)
- Program Specific Courses (Years 1 and 2 Didactic & Clinical)
- Literature Review (Years 1 and 2)
- Case Presentations (Years 1 and 2)
- Program Seminars (Years 1 and 2)
- Clinical Rotations (Years 1 and 2)

Core Graduate Dental Education Courses

Code	Title	Course Units
Year 1		
<i>Fall</i>		
DADE 9330	Ethics, Professionalism and Jurisprudence	1-3
DADE 9340	Evidence-based clinical practice	1.75-3
DADE 9350	Oral and systemic diseases	3.75-5
<i>Spring</i>		

DADE 9360	Oral infection and immunity	4-6
DADE 9370	Conservative and regenerative clinical practice	2-5
DADE 9380	Vulnerable populations across the lifespan	1.5-3.5

Master of Science in Oral Biology

The School of Dental Medicine also offers a Master of Science in Oral Biology (MSOB) (<http://catalog.upenn.edu/graduate/programs/oral-biology-msob/>). **Enrollment in the MSOB program is limited to individuals concurrently registered in one of the postgraduate specialty training (certificate) programs.** Candidates receive the MSOB degree after completion of both their specialty training and the Master's curriculum, which consists of didactic, seminar, and research practicum courses. The MSOB program is comprised of two tracks designed for outstanding students who are interested in either integrating research or structured evidence-based learning into their post-graduate education.

Depending on the track selected, research activities or a systematic literature review form the core of the MSOB program. Students are expected to participate in a clinical or basic science research project of sufficient scope and intensity or a formally structured and critically evaluated literature review focused on an important oral health-related research or clinical question. A thesis composed of an in-depth review of the relevant literature along with a manuscript reporting the results of the research or a systematic review is required for graduation for the research and evidence-based learning tracks respectively.

Code	Title	Course Units
Additional MSOB Course Requirements		
DENT 9960		
DENT 9970		

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The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2024 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.
