

# ADVANCED DENTAL STUDIES, MADS

The MADS program offers participants a graduate degree, and the ability to concentrate in one of seven dental specialties through a carefully designed hybrid program consisting of both synchronous and asynchronous online courses as well as in-person clinical rotations during spring. Participants will learn to operate in an integrated healthcare system, communicate effectively with multiple clinical disciplines and develop targeted preventive and therapeutic strategies which are supported by evidence. In the clinical rotations, students will observe various clinical procedures and work with specialty program residents to review cases, develop diagnosis and treatment planning. Students can pursue a MADS with concentration in the following areas: Endodontics, Oral and Maxillofacial Surgery, Oral Medicine, Orthodontics, Pediatric Dentistry, Periodontics, and Prosthodontics.

Directed to both domestic and international dentists, MADS is designed for clinicians who wish to enhance their knowledge in a clinical discipline or improve their qualifications when applying to U.S. residency programs. The program also serves international dentists with U.S. specialty degrees whose home country requires a Master's degree for recognition of the specialty or U.S. graduates of specialty programs who wish to refresh their knowledge in their field through a structured program. The MADS program is unique among U.S. dental schools, allowing dentists to pursue professional enrichment to enhance their career while providing the flexibility to do so while continuing their dental practice or training.

**For more information:** <https://www.dental.upenn.edu/admissions-academics/advanced-degree-programs/master-of-advanced-dental-studies-mads/>

This degree requires a minimum of 16 Credit Hours.

## Curriculum

### MADS Core Curriculum (each of the 7 specialties will complete these courses)

Code	Title	Course Units
GADS 5011	Systematic Reviews	
GADS 5021	Head and Neck Anatomy	
GADS 5061	Maxillofacial Radiology	
GADS 5071	Ethics	
GADS 5081	Grand Rounds Conference	
GADS 5002	Biostatistics	
GADS 5032	Osteoimmunology	
GADS 5042	Pharmacology	
GADS 5052	Wound Healing	
GADS 5082	Interdisciplinary Seminars Grand Rounds	

### Endodontics MADS

Code	Title	Course Units
GADS 5221	Literature Review I	
GADS 5241	Literature Review III	
GADS 5201	Topic Presentation I	

GADS 5232	Literature Review II	
GADS 5252	Literature Review IV	
GADS 5212	Topics Presentation II	

### Oral Medicine MADS

Code	Title	Course Units
GADS 5311	Biological Systems	
GADS 5331	Brightman Conference	
GADS 5341	S. Gary Cohen Conference (Fall and Spring)	
GADS 5302	Pathology	
GADS 5322	Oral Medicine	
GADS 5332	Brightman Conference II	
GADS 5342	Cohen Conference II	
GADS 5352	Oral and Maxillofacial Complex	
GADS 5362	Oral Medicine Rotation	

### Pediatrics

Code	Title	Course Units
GADS 5601	Pathology	
GADS 5631	Comprehensive Review of Pediatric Dentistry I	
GADS 5652	Embryology, Genetics, and Congenital Malformation	
GADS 5662	Trauma	
GADS 5632	Comprehensive Review of Pediatric Dentistry II	
GADS 5642	Pediatric Rotation	

### Periodontics

Code	Title	Course Units
GADS 5701	Implant Dentistry	
GADS 5711	Introduction to Periodontology	
GADS 5721	Classic and Current Literature Review	
GADS 5731	Periodontics Case Presentation	
GADS 5741	Periodontal Prosthesis Case Presentation Fall	
GADS 5751	Fundamentals of Periodontics Fall	
GADS 5702	Classic and Current Literature Review Spring	
GADS 5712	Periodontics Case Presentation Spring	
GADS 5722	Periodontal Prosthesis Case Presentation Spring	
GADS 5732	Fundamentals of Periodontics Spring	

### Orthodontics

Code	Title	Course Units
GADS 5501	Orthodontics	
GADS 5521	Case Presentation I	
GADS 5561	Penn Orthodontic Department Lecture Series I	
GADS 5571	Orthognathic Surgery/TMJ Lecture Series I	

GADS 5512	Orthodontics II
GADS 5522	Case Presentation II
GADS 5552	Orthognathic Surgery/TMJ Lecture Series
GADS 5582	Orthodontics Rotations
GADS 5592	Penn Orthodontic Department Lecture Series II

## Prosthodontics

Code	Title	Course Units
GADS 5801	Introduction to Advanced Fixed Prosthodontics	
GADS 5811	Introduction to Advanced Removable Prosthodontics	
GADS 5821	Literature Review Seminar	
GADS 5831	Treatment Plan Seminar	
GADS 5841	Current Literature Review Seminar	
GADS 5802	Literature Review Seminar II	
GADS 5812	Treatment Plan Seminar II	
GADS 5832	Prosthodontics Rotation	
GADS 5842	Current Literature Review Seminar II	

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The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2023 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

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