

# DOCTOR OF DENTAL MEDICINE, DMD

## Introduction

PDM Vision To transform global oral health and well-being through exceptional clinical care, innovation, education, and research.

## Mission

1. Foster a humanistic environment where each individual in our diverse community is valued, respected and empowered.
2. Treat our patients with compassion and respect, and provide exceptional evidence-based care.
3. Honor PDM’s legacy through transformative initiatives to solve the complex problems of today and tomorrow.
4. Shape the global dental profession by teaching evidence-based knowledge and providing opportunities to pursue individualized development for life-long learning.
5. Promote interdisciplinary collaborations that accelerate innovation and scientific discovery to address unmet needs in health.
6. Mentor exceptional leaders in education, research and oral health.

## Overview

The four-year DMD program and curriculum at Penn Dental Medicine not only reflects a strong commitment to developing knowledge and skills in both oral science and oral health care, but also offers the flexibility for students to tailor their education to their interests. As one of 12 schools within the larger urban campus of the University of Pennsylvania, Penn Dental Medicine is uniquely positioned to provide a depth of opportunities for interdisciplinary study across other professional disciplines. Here, students find an education that builds excellence in dental medicine by encouraging individual interests and strengths to flourish and grow.

**For more information:** [https://www.dental.upenn.edu/academic\\_programs\\_admissions/dmd\\_program](https://www.dental.upenn.edu/academic_programs_admissions/dmd_program) ([https://www.dental.upenn.edu/academic\\_programs\\_admissions/dmd\\_program/](https://www.dental.upenn.edu/academic_programs_admissions/dmd_program/))

This degree requires a minimum of 200 Credit Hours.

## Curriculum

### First Year

The first year of the curriculum introduces students to the concepts of human biology as they pertain to medicine in general and to dental medicine in particular. The curriculum reflects an emphasis on integration of scientific information by grouping courses into integrative course streams rather than discipline specific courses. This includes studies relating to the principles of oral disease prevention, patient management, and physical examination. A major segment of the curriculum focuses on the structure and function of oral tissues and contiguous structures. During this time, students will also begin an integrated preclinical course in restorative dentistry combining several disciplines (e.g., dental anatomy and occlusion, operative dentistry and dental materials), including extensive use of the School’s Virtual Reality Laboratory. Clinical experiences begin upon entry into the DMD program and increase with each succeeding year. In the first year, students begin clinical rotations in oral medicine, periodontics, health promotion, radiology, and hospital

dentistry. Additionally, students will assist upperclassmen on the clinic floor as part of the DRAUT first year course.

Code	Title	Course Units
<b>First Year Courses</b>		
Fall		
DENT 5001	Foundation Sciences I	
DENT 5011	Foundation Sciences II	
DENT 5051	Biological Systems I	
DENT 5801	Advanced Simulation	
DENT 5321	Biological Systems II	
DENT 5301	Intro To the Patient	
DENT 5821	Dental Devel.& Anatomy	
DENT 5841	Dental Auxiliary Utilization II	
Spring		
DENT 5022	Foundation Sciences Iii	
DENT 5032	Foundation Sciences Iv	
DENT 5062	Biological Systems Iii	
DENT 5072	Biological Systems Iv	
DENT 5102	Behav Sci I-Health Promo	
DENT 5702	Periodontics I	
DENT 5992	Selectives I	
DENT 5842	Clinial Prac II - Dau	
DENT 5862	Operative Dent. Lecture	
DENT 5882	Dental Materials	
Summer		
DENT 5120	Local and Global Public Health I	
DENT 5340	Intro. To Hematology and Lab Medicine	
DENT 5400	Intro To Pharmacology	
DENT 5870	Introduction to Caries Risk Assessment	
DENT 5890	Restorative Microscopy I	

### Second Year

The second-year curriculum is applied to understanding the pathology of the oral cavity and the principles of diagnosis and treatment. The curriculum includes fundamental courses in pathology (an integration of general and oral pathology), pharmacology, and principles of medicine. The preclinical restorative dentistry course is a continuation of the program offered in the first year and focuses on prosthetic therapy; it also includes additional rotations in the Virtual Reality Laboratory. Other didactic, laboratory, and clinical experiences are initiated in anesthesia and pain control, community health, endodontics, orthodontics, and periodontics. A course entitled “Introduction to Clinical Dentistry” is offered in the second year; the purpose is to facilitate the transition from the classroom to the clinic by allowing students to observe and practice the provision of services in various clinical departments. Beginning in October, afternoons are set aside for courses in the Selectives Program.

Code	Title	Course Units
<b>Second Year Courses</b>		
Fall		
DENT 6001	Biological Systems V	
DENT 6301	Biological Systems V	
DENT 6421	Neuro,Neuropharm,Beh Mg	

DENT 6811	Operative Dentistry II
DENT 6831	Fixed Prosthodontics Laboratory
DENT 6441	Oral & Maxil Complex II
DENT 6801	Fixed Prosthodontics
DENT 6841	Clinical Practice I

**Spring**

DENT 6992	Selectives II
DENT 6042	Oral & Maxil Complex II
DENT 6162	Behavioral Management
DENT 6202	Endodontics Lecture
DENT 6222	Endodontics Lab
DENT 6322	Medical Clerkship
DENT 6502	Orthodontics I
DENT 6602	Pediatric Dentistry I
DENT 6702	Periodontics II Lec/Lab
DENT 6822	Complete Rem Dent Pros L
DENT 6862	Complete Rem Dent Pros B
DENT 6842	Clinical Prac Ili-Dau

**Third Year**

Students begin to function as dental practitioners during their third year. Didactic courses provide a deeper and more sophisticated foundation of knowledge in the clinical disciplines. However, the bulk of the third year is spent providing general patient care in a variety of settings. This includes assignments to Primary Care Units in the general clinic and rotations in various specialty clinics. In addition, students provide patient screenings and education in community-based dental health programs at schools, health fairs, geriatric centers, and homes for disabled persons. Third-year students also participate in the Selectives Program.

Code	Title	Course Units
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**Third Year Courses***Summer*

DENT 7160	Professional Practitioner Development I
DENT 7200	Endodontics
DENT 7300	Oral Medicine
DENT 7340	Oral Medicine
DENT 7420	Oral Surgery and Pharmacology
DENT 7620	Pediatric Dentistry
DENT 7720	Periodontics
DENT 7800	Partial Rem Dent Pros Lb
DENT 7840	Preventive & Restorative Scien
DENT 7890	Restorative Microscopy III

*Fall*

DENT 7101	Health Promotion S
DENT 7201	Endodontics Clinic
DENT 7341	Radiology Clinic/Seminar
DENT 7361	Personalized Care I
DENT 7401	Oral Surgery L
DENT 7421	Oral Surgery Clinic
DENT 7461	Multidisciplinary Seminar
DENT 7521	P and I Clinic
DENT 7601	Pediatric Dentistry L/B

DENT 7621	Pediatric Dentistry Clin
DENT 7701	Periodontics L
DENT 7721	Periodontics Clinic
DENT 7821	Restorative Dentistry L
DENT 7841	Comprehensive Care C Fal

*Spring*

DENT 7002	Differential Diagnosis
DENT 7102	Health Promotion II Spring
DENT 7162	Professional Practitioner Development II
DENT 7202	Endodontics II Clinical Spring
DENT 7322	Oral and Maxillofacial Medicine
DENT 7342	Radiology II Clinic Spring
DENT 7362	Personalized Care II
DENT 7402	Oral Surgery L II
DENT 7422	Oral Surgery II Clinic Spring
DENT 7462	Multidisciplinary Seminar
DENT 7502	Orthodontics II
DENT 7522	Preventive and Interceptive Orthodontics II Clinic
DENT 7622	Pediatric Dentistry II Clinical
DENT 7722	Periodontics Clinic
DENT 7822	Comprehensive Care Spring
DENT 7842	Restorative Dentistry SP
DENT 7862	Clinical Seminars II
DENT 7992	Selectives III

**Fourth Year**

The fourth-year curriculum continues to expand the intellectual and clinical experiences of students, including a two-week hospital externship. Students continue to attend PCU clinical seminars in which they present clinical cases where the integration of knowledge, skills, and values is emphasized. Coursework is designed to augment the basic knowledge in the first three years. By graduation, students will have demonstrated the competence, confidence, and maturity to qualify as safe, beginning independent general dental practitioners.

Code	Title	Course Units
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**Fourth Year Courses***Summer*

DENT 8200	The Endodontic II Clinic
DENT 8300	Oral Medicine
DENT 8340	Oral Medicine
DENT 8380	Hospital Assignment
DENT 8370	Oral Medicine Clinical Rotation
DENT 8420	Oral Surgery and Pharmacology
DENT 8620	Pediatric Dentistry
DENT 8720	Periodontics
DENT 8840	Preventive & Restorative Scien

*Fall*

DENT 8161	Professional Practitioner Development III
DENT 8201	The Endodontic Clinic
DENT 8341	Radiology Clinic
DENT 8361	Personalized Care

DENT 8371	Oral Medicine Clinical Rotation
DENT 8381	Hospital Assignment
DENT 8421	Oral Surgery Clinic
DENT 8521	Adjunctive Orthodontics
DENT 8621	Pediatric Dentistry Clinic
DENT 8721	Periodontics Clinic
DENT 8841	Comprehensive Care VII
DENT 8991	Selectives IV

Spring

DENT 8102	Health Promotion Practicum II
DENT 8202	The Endodontic II Clinic
DENT 8342	Radiology II Clinic
DENT 8362	Personalized Care II
DENT 8372	Oral Medicine Clinical Rotation
DENT 8382	Hospital Assignment
DENT 8422	Oral Surgery II Clinic
DENT 8522	Adjunctive Orthodontics II Clinic
DENT 8622	Pediatric Dentistry II Clinical
DENT 8722	Periodontics II C
DENT 8842	Comprehensive Care II Clinical
DENT 8862	Clinical Seminar II Spring

## Selectives

The Penn Dental Medicine’s Selectives Program enhances the predoctoral curriculum by allowing students to individualize their education to reflect their own professional interests. Selectives are offered from October to June each year, and includes didactic, clinical, community dental health service, and research opportunities. Many Selectives occur in small group seminars or individualized settings that promote close student-faculty interactions.

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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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