PERIOPROSTHESIS, CERTIFICATE

This program is designed to provide postdoctoral students training in Fixed Prosthodontics, Esthetics, Advanced Implant Dentistry, and Periodontics. Upon successful completion of the program, the student will be issued certificates both in Periodontics and Periodontal Prosthesis. The focus is on the treatment of the advanced case to the highest esthetic and functional standards.

The basic science phase of the program is provided by the Division of Graduate Dental Education through a series of highly integrated core basic sciences. These courses are designed to expand the student's knowledge of Oral Biology. Additional basic science courses specific to Restorative Dentistry are provided by the department. The emphasis of this program lies in developing specialists who have a scholarly approach to clinical problems. As the biologic foundation for all clinical dentistry, Periodontics comprises a substantial portion of the didactic program during the first two years. A major emphasis is placed on etiology, diagnosis, and treatment planning. In addition to completing all necessary requirements for certification in Periodontics, the student must complete a minimum of 10 advanced reconstructions.

Interdisciplinary training is the hallmark of this program with faculty representatives of the Departments of Endodontics, Periodontics, Maxillofacial Surgery and Restorative Dentistry, continually interacting both in the seminars and clinics. Literature seminars include Periodontics, Occlusion, Restorative, and Esthetic Dentistry. Each student is expected to write a paper on a clinical research activity and submit it for publication.

Courses specific to Prosthodontics are usually presented in seminar format. These include: material sciences, impression and 10 temporization techniques, biomechanics, CT scan technology and CAD/CAM based restorations, adjunctive orthodontics, occlusion, treatment planning, laboratory technology, practice management, articulators and facebows, porcelain laminates, resin-bonded restorations, and esthetics. A course in Implantology, including both the surgical and prosthetic phase, is presented to the students, as they are expected to perform both phases of treatment during their training program. There is ample interaction with laboratory technicians and students are required to perform various laboratory procedures during the completion of their cases. The highly respected research environment at Penn Dental Medicine and throughout the University of Pennsylvania provides a valuable opportunity for students applying to post-doctoral programs to combine their specialty training with advanced research and academic opportunities.

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 250 Credit Hours.

Curriculum
Program Timeline

Program duration is 48 months.

For more information: https://www.dental.upenn.edu/admissions-academics/graduate-dental-education-programs/periodontal-prothesis-program/

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.

Code	Title	Course Units
PGY1		
Fall		
GPRD 9001	Introduction To Periodontology	
GPRD 9011	Introduction To Periodontal Prosthesis	
GPRD 9021	Clinical Periodontics I	
GPRD 9031	Classic Literature Review I	
GPRD 9041	Current Literature Review I	
GPRD 9051	Periodontics Case Presentation I	
GPRD 9061	Surgical Endodontic Rotation I	
GPRD 9071	Fundamentals Of Periodontics I	
GPRD 9081	Fundamentals Of Perio Surgery I	
GPRD 9091	Sedation Seminar I	
GPRD 9101	Minor Adult Orthodontics I	
GPRD 9111	Advanced Topics In Periodontics I	
GPRD 9141	P Care Clinic Rotation I	
GPRD 9151	Complications Seminar I	
GPRD 9161	Periodontal Practice Management	
GPRD 9171	Treatment Plan Rotation I	
GPRD 9201	Fundamentals Of Periodontal Prosthesis I	
GPRD 9211	Perio-Prosth Case Presentation I	
Spring		
GPRD 9022	Clinical Periodontics II	
GPRD 9032	Classic Literature Review II	
GPRD 9042	Current Literature Review II	
GPRD 9052	Periodontics Case Presentation II	
GPRD 9062	Surgical Endodontic Rotation II	
GPRD 9072	Fundamentals Of Periodontics II	
GPRD 9082	Fundamentals Of Perio Surgery II	
GPRD 9092	Sedation Seminar II	
GPRD 9112	Advanced Topics In Periodontics II	
GPRD 9122	In-Service Examination I	
GPRD 9142	P Care Clinic Rotation II	
GPRD 9152	Complications Seminar II	
GPRD 9172	Treatment Plan Rotation II	
GPRD 9182	Oral Comprehensive Examination I	
GPRD 9202	Fundamentals Of Periodontal Prosthesis II	
GPRD 9212	Perio-Prosth Case Presentation II	
PGY2		
Fall		
GPRD 9023	Clinical Periodontics III	

GPRD 9033	Classic Literature Review III
GPRD 9043	Current Literature Review III
GPRD 9053	Periodontics Case Presentation III
GPRD 9063	Surgical Endodontic Rotation III
GPRD 9113	Advanced Topics In Periodontics III
GPRD 9143	P Care Clinic Rotation III
GPRD 9153	Complications Seminar III
GPRD 9173	Treatment Plan Rotation III
GPRD 9213	Perio-Prosth Case Presentation III
Spring	
GPRD 9024	Clinical Periodontics IV
GPRD 9034	Classic Literature Review IV
GPRD 9044	Current Literature Review IV
GPRD 9054	Periodontics Case Presentation IV
GPRD 9064	Surgical Endodontic Rotation IV
GPRD 9114	Advanced Topics In Periodontics IV
GPRD 9124	In-Service Examination II
GPRD 9144	P Care Clinic Rotation IV
GPRD 9154	Complications Seminar IV
GPRD 9174	Treatment Plan Rotation IV
GPRD 9184	Oral Comprehensive Examination II
GPRD 9214	Perio-Prosth Case Presentation IV
PGY3	
Fall	
GPRD 9025	Clinical Periodontics V
GPRD 9055	Periodontics Case Presentation V
GPRD 9065	Surgical Endodontic Rotation V
GPRD 9115	Advanced Topics In Periodontics V
GPRD 9145	P Care Clinic Rotation V
GPRD 9155	Complications Seminar V
GPRD 9175	Treatment Plan Rotation V
GPRD 9195	Board Review Seminar I
GPRD 9215	Perio-Prosth Case Presentation V
Spring	
GPRD 9026	Clinical Periodontics VI
GPRD 9056	Periodontics Case Presentation VI
GPRD 9066	Surgical Endodontic Rotation VI
GPRD 9116	Advanced Topics In Periodontics VI
GPRD 9126	In-Service Examination III
GPRD 9146	P Care Clinic Rotation VI
GPRD 9156	Complications Seminar VI
GPRD 9176	Treatment Plan Rotation VI
GPRD 9186	Oral Comprehensive Examination III
GPRD 9196	Board Review Seminar II
GPRD 9216	Perio-Prosth Case Presentation VI
PGY4	
Fall	
GPRD 9217	Perio-Prosth Case Presentation VII
GPRD 9991	Clinical Periodontics VII
Spring	
GPRD 9218	Perio-Prosth Case Presentation VIII
GPRD 9992	Clinical Periodontics VIII

Program Requirements (Certificate Only)

- Core Graduate Dental Education Courses (Year 1 only)
- Program Specific Courses (Years 1 - 4 Didactic & Clinical)
- Literature Review (Years 1 - 4)
- Case Presentations (Years 1 - 4)
- Program Seminars (Years 1 - 4)
- Clinical Rotations (Years 1 - 4)

Core Graduate Dental Education Courses

Code	Title	Course Units
Year 1		
Fall		
DADE 9100	Clinical Microbiology	
DADE 9110	Ethics	
DADE 9120	Genetics, Embryology	
DADE 9140	Maxillofacial Radiology	
DADE 9150	Nitrous Oxide Analgesia	
DADE 9160	Practice Management	
DADE 9170	Pathology	
DADE 9180	Pulp/Dentin Biology	
DADE 9190	Head and Neck Anatomy	
DADE 9200	Advance Library	
Spring		
DADE 9190	Head and Neck Anatomy	
DADE 9200	Advance Library	
DADE 9210	Cultural Competency	
DADE 9220	Pharmacology	
DADE 9230	Osteoimmunology	
DADE 9240	Oral Medicine	
DADE 9250	Nutrition & Oral Health	
DADE 9260	Wound Healing	
DADE 9270		
DADE 9280	Biostatistics	
DADE 9290	Pulp/Dentin Biology	
DADE 9300	Maxillofacial Trauma	

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	Intro To Statistics	
DENT 9970	Systematic Reviews	

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

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.
