

Prosthodontics

Degree Offered

- Master of Science

General Information

The School of Dentistry and the Department of Restorative Dentistry offer a program of advanced study and clinical training leading to the degree of Master of Science. The program requires a minimum of 34 months (three academic years) of full-time residency in the School of Dentistry. It is designed to qualify dentists for careers in prosthodontic clinical practice, teaching, and research.

A stipend plus tuition waiver will be provided for graduate students in Prosthodontics at the end of the second year for summer session and fall/spring semesters. Special fees are not covered by the tuition waiver. You must pay special fees each term/semester.

Inquiries concerning this program should be directed to the Office of Dental Admissions and Recruitment. Applications will be processed by the School of Dentistry. Applicants approved for admission to the program will be notified soon after interviews have been completed.

This program is accredited by the Commission on Dental Accreditation of the American Dental Association. For details about the faculty, publications and alumni information, please visit the Department website at <http://dentistry.hsc.wvu.edu/education/programs/graduate-programs/prosthodontics/>.

Program Goals

The postgraduate program is designed to train well qualified dentists in all aspects of prosthodontics. Advanced training in prosthodontics consists of an integrated education program designed to provide both knowledge in the dentally applied basic sciences and experiences in the clinical science of prosthodontics. These include but are not limited to, complete denture prosthodontics, removable partial denture prosthodontics, fixed partial denture prosthodontics, maxillofacial prosthetics, and surgical and prosthodontic dental implantology. A series of structured didactic and clinical courses provides the student with a level of knowledge and skill development necessary to practice prosthodontics as a specialty and to prepare for a career in teaching and research. The program qualifies the student for examination and certification by the American Board of Prosthodontics.

The Master of Science degree program requires the development of an in-depth research problem which must be reported in the form of a thesis.

Program Curriculum

FIRST-YEAR PROGRAM

In the first year of the program, the resident is introduced to the specialty of prosthodontics, its scope, and its history. The resident receives instruction in the laboratory and clinical aspects of complete dentures, removable partial dentures, fixed partial dentures, maxillofacial prosthetics, implant prosthodontics, implant surgery and treatment of temporomandibular dysfunction. The resident is required to know and use the materials and techniques for fabricating oral prostheses and to become proficient in performing all phases of laboratory work related to clinical patients.

The resident will participate in seminars on specific topics in prosthodontics and on the relationship of prosthodontics to the other specialties. The resident will study biostatistics, research methodology, and select an in-depth research problem for thesis development and publication.

SECOND-YEAR PROGRAM

The second year of the program is a continuation of the first year of training, with increased emphasis on the clinical treatment of patients and the advanced concepts of prosthodontics. The resident will spend more time conducting a research study and in the development of a thesis. The resident will also expand their clinical skills with the inclusion of surgical implant placement and restoration as well as modern digital dentistry principles to support patient outcomes.

THIRD-YEAR PROGRAM

The third year of the program continues with more advanced clinical treatment and concepts of prosthodontics, including the completion of a master's thesis and defense. The resident will spend a significant amount of time treating older adult patients. The resident will also be trained to identify patients that meet the current requirements for presentation to the American Board of Prosthodontics.

Throughout the training, the resident is encouraged to be inquisitive regarding all phases of treatment and to use initiative to be resourceful. The senior resident should become a severe critic of his or her own accomplishments and be able to support clinical decisions with references from the literature. Completion of a research problem and thesis are required and the resident must successfully defend the thesis to Committee. The Senior resident will be expected to present lectures and patient presentations in preparation for Board certification and future teaching responsibilities. Satisfactory completion of this year of training qualifies the resident for examination and certification by the American Board of Prosthodontics.

FACULTY

DIRECTOR

- Bryan Dye - D.D.S., M.S.
West Virginia University

ASSISTANT DIRECTOR

- Matthew Bryington - D.M.D., M.S.
U of Penn

PROFESSOR

- Mohssen Ghalichebaf - D.D.S.
University of Istanbul

ASSISTANT PROFESSOR

- Soo Cheol Jeong - D.D.S., M.S.
Pusan National University

Admission Requirements

The program's admission requirements are as follows:

- Must have passed National Dental Board Examination - Part I at the time of application and Part 2 upon entrance to the program.
- Must have earned a D.M.D./D.D.S. degree, or its equivalent.
- Must be proficient in the English language or provide a recent TOEFL score (if foreign applicant).
- Must display evidence of scholastic and clinical achievement that would indicate the applicant's ability to progress in a program of this nature. A minimum grade point average of 3.0 is required.
- Must apply to the program through the Postdoctoral Application Support Service (PASS) <http://www.adea.org/> and have all application materials in PASS by September 1. For more detailed information go to the School of Dentistry website (<http://dentistry.hsc.wvu.edu/education/programs/graduate-programs/prosthodontics/>).
- Must apply to the MATCH, national resident matching program (<http://www.nrmp.org/>).
- Must complete and submit WVU Graduate Application.
- Must obtain a match number from National Match Services (<https://natmatch.com>) to be considered for admission.
- Must participate in an onsite interview.
- Must consent to and pass a criminal background investigation prior to final acceptance.
- Must submit documentation of required immunizations. A complete list is available on the School of Dentistry website.
- Must become familiar with the West Virginia School of Dentistry's policy and procedure for Bloodborne Pathogens and Infectious Diseases.
- Must meet federal and university standards regarding the Responsible Conduct of Research.
- Must be eligible for a West Virginia dental resident permit upon entrance to the program.

Degree Requirements

- Fulfill University requirements for graduate study.
- Complete 34 months (three academic years) of consecutive full-time advanced study and clinical training at the School of Dentistry.
- Complete an approved master's thesis based on original research completed during the course of study in an area related to Prosthodontics.
- Must pass a final oral examination.
- Must successfully complete all didactic and clinical work in the required curriculum.
- Demonstrate satisfactory clinical competency in Prosthodontics.
- Complete a minimum of 92 credit hours. This includes 69 credit hours of prosthodontic courses, a minimum of 9 credit hours of selected basic science subjects, 6 hours of teaching practicum, and a research/thesis (8 hours).
- Achieve a 3.0 GPA or an overall competence in the student's field. A minimum grade of B must be earned in all work attempted in the master's program. A grade of C or below in two courses will require a faculty review of the student's progress. A third C or below will result in suspension from the program.

CURRICULUM REQUIREMENTS

Minimum GPA of 3.0 required.

Minimum grade of B required in each course.

DENT 601	Advanced Oral Microbiology	1
DENT 687	Research Methods	1
BIOS 601	Applied Biostatistics 1	3
BIOS 602	Applied Biostatistics Lab	1
NBAN 716	Craniofacial Growth and Maturation	1
PATH 601	Special Studies in Oral Pathology	2
PCOL 765	Advanced Biomedical Sciences: Applied Pharmacology	1
ORTH 625	Orthodontic Seminar	1
ORTH 618	Orthodontic Materials	1
Clinical Management of Medically Compromised Patients		2
PERI 644	Clinical Management of Medically Compromised Patients	
Teaching Practicum		6
DENT 690	Teaching Practicum (Repeated)	
Research		8
DENT 697	Research	
Advanced Clinical Prosthodontics		33
PROS 688	Advanced Clinical Prosthodontics (Repeated)	
Advanced Prosthodontics Theory		28
PROS 689	Advanced Prosthodontics Theory (Repeated)	
Master's Thesis		
Oral Examination		
Demonstrate satisfactory clinical competency		
Total Hours		92

SUGGESTED PLAN OF STUDY

First Semester	Hours
DENT 600	1
ORTH 618	1
ORTH 625	1
PROS 688	2
PROS 689	4
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	9
Second Semester	Hours
BIOS 601	3
BIOS 602	1
DENT 600	2
PCOL 765	1
PROS 688	2
PROS 689	3
<hr/>	
	12
Third Semester	Hours
DENT 601	1
DENT 687	1
PROS 688	4
PROS 689	5
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	11
Fourth Semester	Hours
DENT 697	2
NBAN 716	1
PROS 688	3
PROS 689	3
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	9

Fifth Semester	Hours
DENT 697	1
PATH 601	2
PERI 644	1
PROS 688	4
PROS 689	2
	<hr/> 10
Sixth Semester	Hours
DENT 697	1
PERI 644	1
PROS 688	6
PROS 689	4
	<hr/> 12
Seventh Semester	Hours
DENT 690	2
DENT 697	1
PROS 688	3
PROS 689	3
	<hr/> 9
Eighth Semester	Hours
DENT 690	2
DENT 697	1
PROS 688	4
PROS 689	2
	<hr/> 9
Ninth Semester	Hours
DENT 690	2
DENT 697	2
PROS 688	5
PROS 689	2
	<hr/> 11

Total credit hours: 92

Major Learning Outcomes

PROSTHODONTICS

- Provide the educational and training necessary for graduate dentists to practice in their specialty.
- Provide the education and training necessary for a specialist to achieve Board Certification.