

PROSTHODONTICS (ADVANCED CERTIFICATE)

NYS ED: 01264 HEGIS: 1205.00 CIP: 51.0501

Program Description

The Advanced Education Program in Prosthodontics is committed to educating and mentoring dentists who will become future leaders in the specialty of Prosthodontics. The program's goals are to provide innovative and continuously evolving curriculum content. This in turn, develops students' clinical decision-making and technical skills for treatment of highly complex prosthodontic needs. Our objective is to train expert clinicians with a sense of ethical responsibility and professionalism. The program strives to achieve these goals through the implementation of new advanced clinical practices and technologies in the field.

The Advanced Education Program in Prosthodontics is a three-year program that fulfills all educational requirements of the Council on Dental Education of the American Dental Association and the American Board of Prosthodontics.

Program Strengths

The program provides an unparalleled and wide range of clinical experiences that are unique to our institution based on a diverse patient population, strong didactic program and expert clinical faculty. The educational foundation is enhanced with a variety of research.

- The program's clinical experiences are derived from a large active patient volume with over 10,000 patient visits (to the program). Additionally NYU Dentistry boasts over 300,000 patient visits to the college annually and this provides a constant stream of referrals to the postgraduate programs. As a result, our program offers unmatched interdisciplinary care opportunities.
- A multifaceted and diverse faculty that include full- and part-time practitioners with world-renowned reputations. The program is proud to have the highest number of board-certified prosthodontists. Many of the faculty have dual or triple specialties ranging from maxillofacial prosthetics to implant surgery.
- Implant surgical education in the program has the longest history among the U.S. dental schools. The surgical curriculum fulfills all aspects of the Commission on Dental Accreditation (CODA) requirements for surgical instructions in delivering simple and complex implant restorations/prostheses. The surgical training is provided by prosthodontists with formal surgical training, oral maxillofacial surgeons, and/or periodontists.
- All students learn about CAD/CAM programs, such as ExoCAD, 3Shape software, Bluesky Bio, Z-brush, and Romexis over the three-year didactic and hands-on modules by faculty. Trios, Planmeca, and Medit intra-oral scanners are available for student use, along with SprintRay 3-D printers.
- Master dental technician faculty work side-by-side with the postgraduate students. Students learn about technical aspects of prosthodontics directly from master technicians in clinic and laboratory settings.
- The prosthodontic program at New York University College of Dentistry is integrated with the Oral Health Center for People with Disabilities ([https://dental.nyu.edu/nyudental/en/aboutus/news/](https://dental.nyu.edu/nyudental/en/aboutus/news/articles/360.html)

[articles/360.html](https://dental.nyu.edu/nyudental/en/aboutus/news/articles/360.html)). The Oral Health Center is located in the same building as the program and our students rotate through the center and work with faculty in a one-to-one setting, providing in-depth clinical education in managing patients with special needs.

- We hold a strong relationship with all other dental specialties within the institution. Our postgraduate students have unique opportunities to develop in-depth knowledge and delivery of coordinated prosthodontic care, including: complex congenital dental syndromes, post-cancer treatments, post-trauma prosthodontics care, and interceptive prosthodontics with orthodontics. All specialty postgraduate students regularly attend multidisciplinary seminars.

Eligibility for Licensure

Completion of the CODA-accredited Advanced Education Program in Prosthodontics satisfies the training requirements for eligibility for participation in the board certification process for the American Board of Prosthodontics. Eligibility for dental licensure is based on pre-professional, professional, and post-graduate training and varies by state/jurisdiction. Candidates should check the state/jurisdiction regulations for dental licensure for the state(s)/jurisdiction(s) in which they are seeking licensure in order to ensure that they comply with all requirements.

Admissions

See Admissions & Application Process (<https://dental.nyu.edu/education/advanced-education-programs/prosthodontics/admissions.html>) for admission requirements and instructions specific to this program.

Program Requirements

Didactic Program

Approximately twenty-five percent of the overall program time is dedicated to didactic components. Emphasis is placed on gaining critical and analytical decision-making skills utilizing existing and new evidence in dentistry. The program's curriculum contents and delivery of educational content are evaluated on an ongoing basis to implement new and relevant information in the most accessible manner for students.

The curriculum contents are largely divided into core courses that include Advanced Education in Core Sciences, Applied sciences, Clinical Applications in Wound Healing, Current Concepts in Implant Dentistry and Bone Regeneration, Multidisciplinary Seminars, and Growth & Development, etc.

Specialty-specific course modules in Prosthodontics, Implant dentistry, and Digital Dentistry are designed to provide in-depth discussion in traditional practices as well as the most innovative clinical practices.

Clinical Program

Clinical training comprises sixty percent of program time. The patient population in the Prosthodontics clinic is extensive and diverse. Students function as members of a multispecialty, interdisciplinary team. They become proficient in diagnosis, treatment, and maintenance of a variety of prosthodontic needs for patients. Committed to excellence, prosthesis fabrication is performed in high-quality laboratories. The program boasts thirty trained, full and part-time prosthodontists as clinical faculty plus numerous prominent scholars as visiting lecturers. Approximately thirty percent of these faculty are Board Certified Prosthodontists.

An exceptional student-to-faculty ratio averaging 3:1 enhances the residents' clinical experiences.

Research Program

All students are required to complete an approved research project. The project requires the students to demonstrate the ability to understand the scientific process including data collection, statistical analysis, and presentation in a scientific forum. Additionally, students are required to attend several scientific and specialty-related meetings. Each student is required to present two poster presentations at professional meetings. Research within the program is very active and students are frequent recipients of national and regional grants/awards.

Teaching Program

Students teach predoctoral dental students as a component of their graduate education. All students participate in a course in pedagogy and utilize up to ten percent of their total program time in teaching.

Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
BASCI-DN 5055	Advanced Education Core Sciences	4.5
BASCI-DN 5056	Applied Sciences	0.75
BASCI-DN 8046	Growth & Development I	1
BASCI-DN 8045	Fundamentals of Anesthesia	5
BASCI-DN 7027	Host Response to Infection & Trauma	1.5
BASCI-DN 8043	Clinical Application of Advances in Wound Healing	1.25
BEHSC-DN 9304	Principles of Prosthodontics I A	2
PRECL-DN 8086	Conferences in Prosthodontics I A	0.25
PRECL-DN 8087	Preclinical Workshop in Prosthodontics A	3.5
DGSCI-DN 9336	Advanced Education in Prosthodontics Clinic I A	12
Credits		31.75
2nd Semester/Term		
BASCI-DN 8047	Growth & Development II	0.75
DGSCI-DN 9504	Principles of Prosthodontics I B	2
PRECL-DN 8586	Conferences in Prosthodontics I B	0.25
PRECL-DN 8587	Preclinical Workshop in Prosthodontics B	0.5
DGSCI-DN 9536	Advanced Education in Prosthodontics Clinic I B	12
Credits		15.5
3rd Semester/Term		
DGSCI-DN 9312	Multidisciplinary Seminars A:	0.25
DGSCI-DN 9371	Current Concepts in Implant Dentistry & Bone Regeneration IA	1.5
BEHSC-DN 9305	Principles of Prosthodontics II A	1
DGSCI-DN 9333	Conferences in Prosthodontics II A	0.25
DGSCI-DN 9334	Advanced Education in Prosthodontics Clinic II A	12
Credits		15
4th Semester/Term		
DGSCI-DN 9512	Multidisciplinary Seminars B:	0.25
DGSCI-DN 9505	Principles of Prosthodontics II B	1.75
DGSCI-DN 9533	Conferences in Prosthodontics II B	0.25
DGSCI-DN 9534	Advanced Education in Prosthodontics Clinic II B	12
Credits		14.25
5th Semester/Term		
DGSCI-DN 9312	Multidisciplinary Seminars A:	0.5
BEHSC-DN 9312	Principles of Prosthodontics III A	0.5
DGSCI-DN 8043	Conferences in Prosthodontics III A	0.25
BEHSC-DN 9307	Advanced Education in Prosthodontics Clinic III A	12
Credits		13.25
6th Semester/Term		
DGSCI-DN 9512	Multidisciplinary Seminars B:	0.5

BEHSC-DN 9306	Principles of Prosthodontics III B	1.75
DGSCI-DN 8543	Conferences in Prosthodontics III B	0.25
BEHSC-DN 9507	Advanced Education in Prosthodontics Clinic III B	12
Credits		14.5
Total Credits		104.25

Learning Outcomes

Upon successful completion of the program, graduates will:

1. Prepare and present diagnostic data, treatment plans and the results of patient treatment.
2. Apply principles related to caries risk assessment and intervention.
3. Manage and treat a wide scope of complex clinical conditions for edentulous, partially edentulous and dentate patients.
4. Manage and treat patients with clinical conditions at a level beyond experiences at the predoctoral dental education level.
5. Provide prosthodontic therapy for a wide scope of patients with esthetic and functional needs above the level of general dentistry, including patients with varying degrees of cognitive and physical impairment.
6. Apply principles associated with fixed prosthodontics, removable prosthodontics and implants, and as members of a treatment team.
7. Evaluate and use existing and appropriate newly introduced technologies to replace teeth and their associated structures using biologically active and passive therapies for fixed and removable prosthodontic treatment. These include experiences beyond those learned at the predoctoral level and use natural teeth and dental implants as part of the treatment.
8. Apply evidence-based health care principles.
9. Identify, appraise, apply and communicate best evidence as it relates to health care and clinical and translational research, including how such research is conducted, evaluated, applied and communicated to patients and health care providers.
10. Utilize principles of ethical decision-making pertaining to academic, research, patient care and practice environments.
11. Draw on a range of resources such as professional codes, regulatory law, and ethical theories to guide judgment and action for issues that are complex, novel, ethically arguable, divisive or of public concern.
12. Apply principles of esthetic dentistry.
13. Use existing and newly introduced technologies and apply principles of esthetic dentistry to restore existing teeth and replace missing teeth and their associated structures. These experiences are beyond those learned at the predoctoral level supported by natural teeth and dental implants as part of the treatment.
14. Carry out placement and restoration of dental implants, including referral.
15. Carry out replacement of missing teeth and the associated oral and maxillofacial tissues using biocompatible substitutes is a core component of Prosthodontics and its definition. These experiences should demonstrate the student's/resident's role in the process of assessment, diagnosis, treatment planning, implementation of prosthetic rehabilitation, and referral.
16. Lead and coordinate oral health care with other members of the health care team.
17. Plan, evaluate, and provide direction for patient treatment in consultation with other health care providers in a multi-disciplinary team.

18. Direct laboratory technicians supporting treatment at the advanced prosthodontic level.
19. Select and apply biomaterials, recognizing esthetic, biomechanical and biocompatibility implications of prosthodontic therapies.
20. Create treatment plans for clinical predictability based on patient and restoration factors.
21. Apply digital dentistry principles.
22. Apply digital technologies in the assessment and diagnosis of patients.
23. Plan, design, provide restorations, and replace missing teeth and the associated structure applying digital technologies.
24. Perform laboratory procedures in the treatment of edentulous, partially edentulous and dentate patients.
25. Use existing technologies to plan, design and fabricate prostheses.
 - a. Will be capable of directing dental technicians in prosthodontic laboratory procedures.
 - b. Will be able to evaluate newly introduced technologies and apply these as appropriate.
26. Manage patients with temporomandibular disorders and/or orofacial pain.
27. Recognize signs and symptoms associated with temporomandibular disorders and/or orofacial pain and either provide appropriate treatment or refer, consistent with contemporary practice and the best interest of the patient.
28. Have experience with patients requiring maxillofacial prosthetic care.
29. Have clinical patient experiences screening, diagnosing, assessing risk, treatment planning, referring and following-up patients requiring maxillofacial services.
30. Present papers at educational meetings outside of the sponsoring institution.
31. Develop and submit posters for scientific meetings.
32. Submit abstracts for presentation at educational meetings or publication in peer reviewed journals.
33. Participate in or complete a research project (basic science or clinical) with mentoring.
34. Submit an article for publication in a peer reviewed journal.

Policies

Program Policies

Educational Visits/Observership Opportunities

NYU College of Dentistry welcomes dentists and dental students who are interested in applying for specialty dental education to visit our programs. Visitors to the Advanced Specialty Education Programs at NYU College of Dentistry may attend lectures/seminars and may observe, but may not participate in, direct clinical patient care.

For additional information and application, interested individuals should email dental.pros.observe@nyu.edu.

Accreditation

The Advanced Education Program in Prosthodontics is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements." The Commission is a specialized accrediting body recognized by the United States Department of Education.

The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at:

Commission on Dental Accreditation
211 East Chicago Avenue
Chicago, IL 60611

For more information please visit the Commission's website (<https://coda.ada.org/en/>).

COVID-19 Vaccine-Related Requirements

Mandatory Vaccinations, Boosters, and Records Upload

All members of the NYU community – students, faculty, employees, vendors, affiliates, and campus visitors – are required to be fully vaccinated against COVID-19, to upload proof of their vaccination to NYU's portal, and to have that vaccination documentation accepted by NYU.

NYU Dentistry also must abide by the New York State Department of Health (DOH) regulations "Prevention of COVID-19 Transmission by Covered Entities" (10 NYCRR 2.61).

Note: As of January 13, 2023, the information regarding the applicability and scope of DOH regulations is subject to change, as the regulations are subject to ongoing litigation between the state of New York and a non-NYU party. NYU is monitoring the status of the regulations and this page will be updated prior to matriculation of currently admitted students.

Read the Message to all Admitted Students regarding Proof of COVID-19 Vaccination (<https://dental.nyu.edu/nyudental/en/aboutus/covid19/message-to-admitted-students.html>)

NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

College of Dentistry Policies

A full list of related academic policies can be found on the College of Dentistry Academic Policies page (<https://bulletins.nyu.edu/graduate/dentistry/academic-policies/>).