

ENDODONTICS (ADVANCED CERTIFICATE)

NYSED: 00780 HEGIS: 1205.00 CIP: 51.0501

Program Description

The goal of the Advanced Education Program in Endodontics is to graduate students who can practice the specialty of Endodontics and teach the discipline. They will also be able to participate in research and be motivated to include service to disadvantaged populations.

The Advanced Education Program in Endodontics selects highly motivated candidates to receive two years of extensive clinical and biomedical education together with experience in teaching and research. The program accepts 11 students a year with a total of 22 students enrolled in the program. The program is fully accredited by the Commission on Dental Accreditation of the American Dental Association and has consistently attracted outstanding candidates.

Board Certification

Seminars and conferences in endodontics and multidisciplinary dentistry, individual and group case review sessions, as well as mock examinations and oral training, are geared towards preparing our students to be at their highest level of competence in clinical and didactic endodontics at the time of graduation. As a result, on average, fifty percent of our graduating students, in each class, in recent years have either passed the oral examination segment of the boards, or have become board certified. Although not required for graduation, all students take the written segment of the boards during their second year of residency.

Eligibility for Licensure

Completion of the CODA-accredited Advanced Education Program in Endodontics satisfies the training requirements for eligibility for participation in the board certification process for the American Board of Endodontics. 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.

Accreditation

The Advanced Education Program in Endodontics 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

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

Educational Visits/Observership Opportunities

At this time, NYU Dentistry is not offering individual educational visits. Individuals interested in learning more about our PG Information Sessions should contact dental.pgadmissions@nyu.edu.

Admissions

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

Program Requirements

Didactic Program

The didactic portion of the program consists of basic science and departmental courses. The departmental instruction includes lecture and textbook review, classic literature review, current literature review, endodontic surgery, seminars on various topics, and an extensive number of basic sciences. Examinations/assessments are conducted in all courses. The didactic portion of the program emphasizes the biological basis of endodontics.

Clinical Program

The clinical component of the program covers an interdisciplinary approach to nonsurgical and surgical endodontics. Students take didactic and pre-clinical courses in surgical endodontics, post-removal, regenerative endodontics, and implant dentistry during their first year and are exposed to surgical endodontics and clinical implant dentistry in their second year. Students participate in outreach programs to underserved areas. The Endodontic Postgraduate Clinic is equipped with 22 chairs, 22 students, 22 operating surgical microscopes and one surgical suite. Rotations to different departments including the Oral Health Center for People with Disabilities and access to state-of-the-art technology, such as the GentleWave, CBCT, and guided endodontics, augment the student's clinical experience.

Research Program

Research is a requirement for graduation. All students gain experience in research by participating in clinical or basic science research projects. Each student will have the opportunity to present the results of their project in local or national events. Research advisers are selected from clinical or basic science departments. The research program has received national recognition.

Teaching Program

Teaching experiences are a part of the program and a requirement for all students. Teaching undergraduate dental students provides our post-graduate students with experiences that may be a motivating factor in the inclusion of education as part of their career plans.

Required Courses

Course	Title	Credits
CORE COURSES		
DGSCI-DN 9312	Multidisciplinary Seminars A: (This course is taken twice for a total of 1.25 credits)	1.25
DGSCI-DN 9512	Multidisciplinary Seminars B: (This course is taken twice for a total of 1.25 credits)	1.25
BASCI-DN 5055	Advanced Education Core Sciences	4.5
BASCI-DN 7027	Host Response to Infection & Trauma	1.5

BASCI-DN 5056	Applied Sciences	1.75
BASCI-DN 8043	Clinical Application of Advances in Wound Healing	1.5
BASCI-DN 8045	Fundamentals of Anesthesia	3

YEAR ONE

DGSCI-DN 9371	Current Concepts in Implant Dentistry & Bone Regeneration IA	1.5
DGSCI-DN 9311	Principles of Endodontics I A	4
DGSCI-DN 9374	Principles of Endodontics I B	4
DGSCI-DN 9313	Conferences in Endodontics I A	2.75
DGSCI-DN 9513	Conferences in Endodontics I B	4
DGSCI-DN 9310	Advanced Education in Endodontics Clinic I A	11
DGSCI-DN 9510	Advanced Education in Endodontics Clinic I B	16
DGSCI-DN 9375	Endodontics Urgent Care Rotation I A	0.5
DGSCI-DN 9575	Endodontics Urgent Care Rotation I B	0.5

YEAR TWO

DGSCI-DN 9315	Principles of Endodontics II A	1.75
DGSCI-DN 9376	Principles of Endodontics II B	3.75
DGSCI-DN 9316	Conferences in Endodontics II A	1.5
DGSCI-DN 9516	Conferences in Endodontics II B	2.5
DGSCI-DN 9314	Advanced Education in Endodontics Clinic II A	17.5
DGSCI-DN 9514	Advanced Education in Endodontics Clinic II B	21
DGSCI-DN 9377	Endodontics Urgent Care Rotation II A	0.5
DGSCI-DN 9577	Endodontics Urgent Care Rotation II B	0.5

Total Credits	108
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Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
DGSCI-DN 9312	Multidisciplinary Seminars A:	0.5
BASCI-DN 5055	Advanced Education Core Sciences	4.5
BASCI-DN 7027	Host Response to Infection & Trauma	1.5
BASCI-DN 5056	Applied Sciences	1.75
BASCI-DN 8043	Clinical Application of Advances in Wound Healing	1.5
BASCI-DN 8045	Fundamentals of Anesthesia	3
DGSCI-DN 9371	Current Concepts in Implant Dentistry & Bone Regeneration IA	1.5
DGSCI-DN 9311	Principles of Endodontics I A	4
DGSCI-DN 9313	Conferences in Endodontics I A	2.75
DGSCI-DN 9310	Advanced Education in Endodontics Clinic I A	11
DGSCI-DN 9375	Endodontics Urgent Care Rotation I A	0.5
Credits		32.5
2nd Semester/Term		
DGSCI-DN 9512	Multidisciplinary Seminars B:	0.5
DGSCI-DN 9374	Principles of Endodontics I B	4
DGSCI-DN 9513	Conferences in Endodontics I B	4
DGSCI-DN 9510	Advanced Education in Endodontics Clinic I B	16
DGSCI-DN 9575	Endodontics Urgent Care Rotation I B	0.5
Credits		25
3rd Semester/Term		
DGSCI-DN 9312	Multidisciplinary Seminars A:	0.75
DGSCI-DN 9315	Principles of Endodontics II A	1.75
DGSCI-DN 9316	Conferences in Endodontics II A	1.5
DGSCI-DN 9314	Advanced Education in Endodontics Clinic II A	17.5
DGSCI-DN 9377	Endodontics Urgent Care Rotation II A	0.5
Credits		22
4th Semester/Term		
DGSCI-DN 9512	Multidisciplinary Seminars B:	0.75

DGSCI-DN 9376	Principles of Endodontics II B	3.75
DGSCI-DN 9516	Conferences in Endodontics II B	2.5
DGSCI-DN 9514	Advanced Education in Endodontics Clinic II B	21
DGSCI-DN 9577	Endodontics Urgent Care Rotation II B	0.5
Credits		28.5
Total Credits		108

Learning Outcomes

Upon completion of the postgraduate training in the field of Endodontics, students will be able to demonstrate proficiency in the practice of Endodontics, which includes, but is not limited to, the following:

1. Diagnose, manage and treat pulpal and periradicular disease by non-surgical and surgical treatment methods utilizing the foundational knowledge acquired in the subjects of anatomy (gross and micro) of soft and hard tissues of the head and neck, embryology, infectious and immunologic processes in oral health and disease, pathophysiology, wound healing, oral medicine, oral pathology, pharmacotherapeutics, neuroscience and biomaterials.
2. Develop clinical skills in surgical and nonsurgical endodontic treatment and retreatment, provide comprehensive treatment including hard and soft tissue management in the surgical site, and provide appropriate pre-, intra-, and post-operative care and management.
3. Use of radiography and other diagnostic imaging technologies, including use of Limited Field of View (LFOV) Cone Beam Computed Tomography (CBCT).
4. Use of magnification and illumination instruments and technology including but not limited to the operating microscope or other developing magnification technologies.
5. Work in collaboration with other healthcare professionals in the management of endodontic treatment of medically compromised patients.
6. Exhibit compassion in the management of patients with orofacial pain and anxiety; specific to the emergency treatment of endodontic conditions and traumatic dental injuries.
7. Describe the preparation of space for intraradicular restorations in endodontically treated teeth.
8. Construct and execute vital pulp and endodontic management of developing permanent teeth.
9. Apply evidence-based practice in the areas of revascularization/regenerative endodontics.
10. Execute intracoronal bleaching techniques as clinically applicable.
11. Diagnose and manage periodontal conditions and defects in conjunction with the treatment of the specific tooth undergoing endodontic treatment; treatment will be provided in consultation with the individual specialists who will assume the responsibility for the completion or supervision of any additional periodontal maintenance or therapy.
12. Placement of intraradicular restorations and cores in endodontically treated teeth in consultation with the restorative or other specialty dentist(s).
13. Management of endodontic diseases in medically compromised patients.
14. Utilize ethical guidelines in practice management that adhere to the highest standards of jurisprudence and risk management.
15. Complete a research project including a critical review of the literature, development of a hypothesis, design of the project

combined with the appropriate statistical analysis and interpretation of data concluding with the outcome/findings of the project.

Policies

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/>).