Endodontics

The Division of Dental Hygiene and the Departments of Endodontics, Orthodontics, and Restorative Dentistry offer programs of advanced study leading to the degree of master of science. The department of oral and maxillofacial surgery offers one four-year residency. A general practice residency is also an option. Continuing education courses are offered throughout the year. Detailed information concerning admission requirements, courses of study, etc., may be obtained from:

the Office of the Associate Dean for Academic and Postdoctoral Affairs
WVU School of Dentistry
P.O. Box 9402
Morgantown, WV 26506

Faculty
• C. Russell Jackson - D.D.S.,M.S.

Degree Offered
• Master of Science

General Information
The School of Dentistry and its Department of Endodontics offer a program of advanced study and clinical training leading to the degree of master of science. The program requires a minimum of twenty-four months (two academic years and two summer sessions) of full-time residency in the School of Dentistry. It is designed to qualify dentists for careers in endodontic clinical practice, teaching, and research.

A stipend plus tuition waiver will be provided for graduate students in Endodontics at the end of the first year for the 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 Academic and Postdoctoral Affairs. Applications will be processed in the School of Dentistry. Applicants approved for admission to the program will be notified soon after interviews are 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/Academic-Programs/Graduate-Programs/Master-of-Science-in-Endodontics.

Program Goals
• Provide the education and training necessary for graduate dentists to practice in the specialty of Endodontics.
• Provide the basis for a specialist in Endodontics to achieve Board Certification in Endodontics.

Graduate Courses
Advanced Oral Surgery: Advanced study of therapeutics, hospital protocol, and surgical aspects of oral surgery involving lectures, seminars, demonstrations, and clinical applications.

Advanced Topics: Biomedical Sciences Module Series: The Biomedical Sciences Module series has been designed as an online course for students enrolled in the advanced education programs in the WVU School of Dentistry. Four modules are planned. They include pharmacology, physiology/biochemistry, anatomy/histology/embryology, and microbiology/immunology/genetics.

The content of these modules focuses on the clinical application of each of the biomedical sciences to dentistry. Cases will be used to integrate theory and practice. Students will attend a virtual classroom by viewing online lectures, reading prescribed materials, and interacting with faculty and classmates through an online discussion forum.

Advanced Topics: Investigation of advanced topics not covered in regularly scheduled courses.

Applied Biostatistics for Health: Statistical models, distributions, probability, random variables, tests of hypotheses, confident intervals, regression, correlation, transformations, F and Chi-square distributions, analysis of variance and multiple comparisons.

Clinical Endodontics: Graduate of an accredited dental school and admission to the Advanced Education Program in Endodontics or consent. Clinical endodontic practice in the areas of: ordinary endodontic cases, complex endodontic cases, hemisection, root amputation, reimplantation, transplantation, endodontic implantation, vital pulp therapy, apexification, and bleaching.
Endodontics

**Endodontic Theory:** Provides seminar discussions in the topics of: basic endodontic techniques, advanced endodontic techniques, endodontic literature review, case presentation, and advanced endodontic theory.

**Research:** Research activities leading to a thesis, problem report, research paper, or equivalent scholarly project.

**Special Studies in Oral Pathology:** Advanced study of local or systemic disease processes affecting oral structures through seminars.

**Teaching Practicum:** Supervised practice in college teaching of dentistry.