

PEDIATRIC DENTISTRY, MSD

More Information: <https://case.edu/dental/departments-programs/pediatric-dentistry/pediatric-dentistry-residency-program>

Degree: Master of Science in Dentistry (MSD)

Field of Study: Pediatric Dentistry

Program Overview

The graduate program in pediatric dentistry is a Master of Science in Dentistry and/or certificate program based at Case Western Reserve University School of Dental Medicine and Rainbow Babies and Children's Hospital.

The two-year postdoctoral residency program follows the principles and policies outlined in the Guidelines for Advanced Education in Pediatric Dentistry prepared by the American Academy of Pediatric Dentistry and the American Board of Pediatric Dentistry. It is fully accredited by the Commission on Dental Accreditation. Successful completion results in a certificate of specialty education in pediatric dentistry which qualifies the resident for examination by the American Board of Pediatric Dentistry.

Students who elect to complete the master's program pay full tuition. The MSD program is open to non-US citizens and foreign-trained dentists. Foreign-trained dentists must complete a US GPR or AEGD before applying to the program.

Our purpose is to train the specialist as a qualified practitioner, consultant, and advocate for complete dental treatment of healthy and special needs children.

The acquired skills prepare the pediatric dental resident to prevent, diagnose and treat common and unusual oral problems that might arise during the physical, psychological and emotional development of the child and adolescent. In addition to the oral aspects of childcare, the resident becomes cognizant of the general health problems related to children.

Our program offers a balanced clinical and didactic curriculum in advanced infant, child, and adolescent dental care.

The pediatric dentistry curriculum is designed to have the resident play an integral role in the health care of children, side by side with his/her medical colleagues, and to prepare the resident for successful entry into the contemporary practice setting while providing the foundation for future growth in the field.

Admission

Please review the admissions process for additional information.

Program Requirements

The following courses are required for the postdoctoral student:

- Behavioral Management
- Anatomy
- Epidemiology & Biostatistics
- Microbiology
- Facial Growth and Development
- Craniofacial Anomalies
- Hospital Dentistry

- Conscious Sedation
- Conferences
- Pediatric Dentistry Literature Review
- Preventive and Interceptive Orthodontics
- Genetics
- Pharmacology
- Hospital Rotations in the departments of Anesthesia, Pediatric, and Emergency Medicine

A research requirement must be fulfilled for certification in pediatric dentistry. Students enrolled in the MSD program must complete a formal thesis.

Sample Plan of Study

First Year

Fall		Hours
DENT 502	Correlative Medical Science	0 - 2
DENT 513	Anatomy of the Head and Neck	0 - 3
DENT 510	Epidemiology and Biostatistics	0 - 3
DENT 514	Research Methods: Preparation	0 - 1
DENT 518	Behavioral Considerations in Oral Health Care	0 - 1
DENT 512	Advanced Oral Pathology	0 - 3
DENT 503	Facial Growth and Development	0 - 1
DENT 505	Dentofacial Anomalies	0 - 1
DENT 561	Orthodontics for Pediatric Dentists I	0 - 3
DPED 533	Pediatric Dentistry Literature Review	0 - 2
DPED 535	Fundamentals in Pediatric Dentistry	0 - 3
DPED 537	Advanced Clinical Pediatric Dentistry	0 - 3
DPED 639	Advanced Seminar in Pediatric Dentistry	0 - 3
DPED 690	Pediatric Dental Residency	0
Hours		0-29

Spring

DENT 501	Biological Aspects of the Stomatological System	0 - 2
DENT 516	Microbiology, Immunology, and Immune Systems	0 - 3
DENT 550	Clinical Pharmacology	0 - 1
DPED 533	Pediatric Dentistry Literature Review	0 - 2
DPED 535	Fundamentals in Pediatric Dentistry	0 - 3
DPED 537	Advanced Clinical Pediatric Dentistry	0 - 3
DPED 639	Advanced Seminar in Pediatric Dentistry	0 - 3
DPED 690	Pediatric Dental Residency	0
Hours		0-17

Second Year

Fall		
DENT 518	Behavioral Considerations in Oral Health Care	0 - 1
DENT 503	Facial Growth and Development	0 - 1
DENT 505	Dentofacial Anomalies	0 - 1
DPED 533	Pediatric Dentistry Literature Review	0 - 2
DENT 561	Orthodontics for Pediatric Dentists I	0 - 3
DPED 690	Pediatric Dental Residency	0
Hours		0-8

Spring

DPED 533	Pediatric Dentistry Literature Review	0 - 2
DENT 561	Orthodontics for Pediatric Dentists I	0 - 3
DPED 537	Advanced Clinical Pediatric Dentistry	0 - 3
DPED 690	Pediatric Dental Residency	0
Hours		0-8
Total Hours		0-62