

PEDIATRIC DENTISTRY, M.S. IN DENTISTRY

The Center for Advanced Dental Education at Saint Louis University offers a program in the specialty of pediatric dentistry that leads to a Master of Science in Dentistry and a certificate in pediatric dentistry. The program is designed to meet the educational requirements for limitation of practice to pediatric dentistry and examination by the American Board of Pediatric Dentistry.

Emphasis is placed on all phases of pediatric dentistry. At the end of the program, the student will be able to provide comprehensive oral health care for the well child, the medically compromised child and the child with special health care needs. Extensive experience is provided in the areas of sedation, analgesia and the use of general anesthesia to deliver dental treatment. Research experience is gained through completion of a master's thesis research project.

The pediatric dental postgraduate program is located in a newly remodeled six-chair clinic. Each operatory is equipped with digital radiographic capabilities and nitrous oxide. A small office area, as well as break room, library and classrooms are provided for the residents.

Program Strengths

- Excellent educational program with dedicated faculty
- Large patient base with extensive dental needs
- Extensive experience managing children with a wide range of special health care needs
- Didactic core curriculum covering basic and dental science
- Extensive experience in sedation/general anesthesia
- Facilitated research experience

Curriculum Overview

Seminars are held that cover topics relevant to pediatric dentistry, and a literature review course will discuss current and core articles from the pediatric dental literature. Multi-disciplinary seminars are held in conjunction with the graduate programs in orthodontics, endodontics and periodontics. Formal courses are presented in biostatistics, oral medicine, oral pathology, early and mixed dentition, therapeutics, practice management and some basic sciences. Off-service rotations occur in general anesthesia, pediatric medicine, pediatric emergency room and craniofacial clinic. 51 credits are required to complete the program.

Fieldwork and Research Opportunities

Students will gain operating room experience and complete clinical rotations at SSM Health Cardinal Glennon Children's Hospital. Residents provide 24-hour/seven-days-a-week dental consultation to the Cardinal Glennon emergency room, a Level I Pediatric Trauma Center.

Students also receive training in research design and statistics and must conduct an original research project. This effort leads to the preparation and defense of a thesis and, subsequently, the production of a manuscript suitable for publication in a journal relating to the specialty of pediatric dentistry. The experience of discovery provided by such research is an integral part of the graduate program, and students are expected to produce a meaningful contribution to the field of pediatric dentistry.

Careers

Our goal is to prepare pediatric dentistry graduates to pursue a career with many possibilities: as a clinician with a practice limited to pediatric dentistry, as a researcher or as a teacher of pediatric dentistry.

Admission Requirements

The prerequisite for matriculation in any CADE dental training program is possession of a D.D.S., D.M.D., or equivalent general dental degree.

Additionally, individuals must be able to obtain a Missouri Dental License.

Application Requirements

- Online application through ADEA Postdoctoral Application Support Service (ADEA PASS)
- Three letters of recommendation
- National board score test results (not required for international applicants)
- Transcript(s)
- Biographical goals statement
- Curriculum vitae or résumé
- National Match Number
- A valid Missouri Dental License
- Applicants from foreign dental schools **must be able to obtain a Missouri dental license. Missouri requires dentists to graduate from an ADA accredited dental school.**

Requirements for International Students

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English Language Proficiency
- Proof of financial support must include:
 - A letter of financial support from the person(s) or sponsoring agency funding the time at Saint Louis University
 - A letter from the sponsor's bank verifying that the funds are available and will be so for the duration of study at the University
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the courses taken and/or lectures attended, practical laboratory work, the maximum and minimum grades attainable, the grades earned or the results of all end-of-term examinations, and any honors or degrees received. WES and ECE transcripts are accepted.

Application Deadline

Applications must be completed by Oct. 1 to be considered for the pediatric dentistry master's program beginning the summer semester of the following year.

Review Process

A committee examines and reviews the applicant and application wholly. Promising applicants are invited for on-site interviews in November.

Scholarships and Financial Aid

For priority consideration for graduate assistantship, apply by Feb. 1.

For more information, visit the student financial services office online at <http://finaid.slu.edu>.

Accreditation

The 24-month program is fully accredited by the Commission on Dental Accreditation of the American Dental Association. Following completion of the program, graduates are educationally qualified for certification by the American Board of Pediatric Dentistry.

Learning Outcomes

1. Graduates will be able to use the knowledge and concepts of pediatric dentistry and apply major practices, theories, or evidence-based literature in clinical pediatric dentistry.
2. Graduates will be able to assess relevant literature or scholarly contributions in pediatric dentistry.
3. Graduates will successfully complete the pediatric dentistry written and oral board exams.

Requirements

Code	Title	Credits
BBS 5100	Ethics for Research Scientists	0
CAD 5010	Pain: Anatomy, Physiology, Psychology, Treatment	1
CAD 5050	Introduction to Statistical Inference	3
CAD 5060	Ethics and Dentistry	0
CAD 5070	Bone and Periodontal Physiology	1
CAD 5100	Dental Therapeutics	1
CAD 5110	Small Business Basics	1
CAD 5190	Advanced Head and Neck Anatomy	2
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning (taken every semester)	0
CAD 5175	Advanced Oral Pathology & Medicine	2
ORES 5100	Research Methods in Health & Medicine	3
ORTH 5030	Facial Growth	2
ORTH 5370	Orthodontic Problems Related to Cleft Palate Patient	1
ORTH 5390	Speech Disorders Related to the Oral Mechanism	1
ORTH 5800	Child and Adolescent Psychology	1
PDED 5000	Introduction to Pediatric Dentistry	2
PDED 5200	Pediatric Dentistry Literature Review (taken over multiple semesters)	6
PDED 5600	Clinical Pediatric Dentistry I	1
PDED 5610	Clinical Pediatric Dentistry II	2
PDED 5620	Clinical Pediatric Dentistry III	2
PDED 5630	Clinical Pediatric Dentistry IV	1
PDED 5640	Clinical Pediatric Dentistry V	2
PDED 5650	Clinical Pediatric Dentistry VI	2
PDED 5660	Clinical Pediatric Dentistry VII	1
PDED 5910	Pediatric Dentistry Seminar (taken over multiple semesters)	4
PDED 5950	Special Study for Exams	0
PDED 5990	Thesis Research (taken over multiple semesters)	6
PDED 5800	Principles of Orthodontics	3
Total Credits		51

Non-Course Requirements

Supervised clinical pediatric treatment of patients; comprehensive pediatric specialty examinations utilizing written, oral, and practical clinical formats; teaching practicum; oral defense of the thesis.

Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Summer		
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
PDED 5000	Introduction to Pediatric Dentistry	2
PDED 5200	Pediatric Dentistry Literature Review	1
PDED 5600	Clinical Pediatric Dentistry I	1
PDED 5910	Pediatric Dentistry Seminar	0
		Credits
		4
Fall		
CAD 5050	Introduction to Statistical Inference	3
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
ORTH 5030	Facial Growth	2
ORTH 5370	Orthodontic Problems Related to Cleft Palate Patient	1
ORTH 5390	Speech Disorders Related to the Oral Mechanism	1
PDED 5200	Pediatric Dentistry Literature Review	1
PDED 5610	Clinical Pediatric Dentistry II	2
PDED 5800	Principles of Orthodontics	1
PDED 5910	Pediatric Dentistry Seminar	1
		Credits
		12
Spring		
BBS 5100	Ethics for Research Scientists	0
CAD 5060	Ethics and Dentistry	0
CAD 5070	Bone and Periodontal Physiology	0
CAD 5100	Dental Therapeutics	1
CAD 5190	Advanced Head and Neck Anatomy	2
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
PDED 5200	Pediatric Dentistry Literature Review	1
PDED 5620	Clinical Pediatric Dentistry III	2

PDED 5800	Principles of Orthodontics	1
PDED 5910	Pediatric Dentistry Seminar	1
PDED 5990	Thesis Research	1
Credits		9
Year Two		
Summer		
CAD 5010	Pain: Anatomy, Physiology, Psychology, Treatment	1
CAD 5110	Small Business Basics	1
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
ORES 5100	Research Methods in Health & Medicine (online)	3
ORTH 5800	Child and Adolescent Psychology	1
PDED 5200	Pediatric Dentistry Literature Review	1
PDED 5630	Clinical Pediatric Dentistry IV	1
PDED 5910	Pediatric Dentistry Seminar	0
PDED 5990	Thesis Research	1
Credits		9
Fall		
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
CAD 5175	Advanced Oral Pathology & Medicine	2
PDED 5200	Pediatric Dentistry Literature Review	1
PDED 5800	Principles of Orthodontics	1
PDED 5640	Clinical Pediatric Dentistry V	2
PDED 5910	Pediatric Dentistry Seminar	1
PDED 5990	Thesis Research	2
Credits		9
Spring		
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
PDED 5200	Pediatric Dentistry Literature Review	1
PDED 5650	Clinical Pediatric Dentistry VI	2
PDED 5800	Principles of Orthodontics	1
PDED 5910	Pediatric Dentistry Seminar	1
PDED 5990	Thesis Research	1
Credits		6
Year Three		
Summer		
CAD 5250	Multidisciplinary & Evidence Based Diagnosis & Treatment Planning	0
PDED 5660	Clinical Pediatric Dentistry VII	1
PDED 5950	Special Study for Exams (Oral Thesis Exam)	0
PDED 5990	Thesis Research	1
Credits		2
Total Credits		51