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### Review Process

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

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[www.slu.edu/programs/graduate/orthodontics-ms.php](http://www.slu.edu/programs/graduate/orthodontics-ms.php)

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Eustaquio A. Araujo, D.D.S., M.D.S.  
*Interim Program Director*

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Orthodontics was created as a specialty of dentistry to address complex problems involving the growth and development of the facial structures and dentition. In this specialty, special emphasis is given to conditions that require tooth movement and alterations of the bones of the facial complex. In the Graduate Orthodontic Program at the Center for Advanced Dental Education at Saint Louis University, the faculty endeavor to provide the highest quality, contemporary education for dental graduates so that students become respected professionals dedicated to the practice and advancement of the specialty of orthodontics.

Our program, which is one of the oldest orthodontic programs in the U.S., began training orthodontists in 1948. Since then, nearly 800 students have studied and earned their degrees at Saint Louis University; the SLU orthodontic program has produced more orthodontists than any program in the world. Alumni have compiled an excellent record of accomplishment by providing high-quality service to their patients, teaching, conducting research, and providing service to the profession of dentistry and the specialty of orthodontics. The Center is proud of the achievements of the alumni and are poised to teach future students who are committed to learning, the search for knowledge, and the delivery of quality health care.

This is a 36-month program commencing on or about the third week of June each year. The program is university-based with hospital affiliations. A Certificate in Orthodontics and Master of Science in Dentistry with a concentration in Orthodontics is awarded at the conclusion of the program.

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Eustaquio Araujo, D.D.S., M.D.S.  
Mark C. Azar, D.D.S., M.S.  
Nicholas P. Azar, D.M.D., M.S.  
Brent D. Bankhead, D.D.S., M.S.  
Rolf G. Behrents, D.D.S., M.S., Ph.D.  
Randall K. Brown, D.D.S., M.S.  
Margaret H. Cooper, Ph.D.  
Jeffrey L. Cupps, D.M.D., M.S.  
Donald G. Eliot, D.D.S., M.S.  
John R. Firth, D.D.S., M.S.  
Patrick F. Foley, D.D.S., M.S.  
Lynn M. Grames, B.S., M.A.  
Steven D. Harrison, D.D.S., M.S.

Kimberly D. Haug, D.M.D., M.S.  
Andrew M. Hayes, D.D.S., M.S.  
Eugene W. Hayes, D.D.S., M.S.  
J. Michael Hudson, D.M.D.  
Lysle E. Johnston Jr., D.D.S., M.S., Ph.D.  
Christopher K. Kesling, D.D.S., M.S.  
Ki Beom Kim, D.D.S., M.S., Ph.D.  
James G. Klarsch, D.D.S., M.S.  
Sharon Lee Mason, D.D.S., M.S.  
William L. Mastorakos, D.D.S., M.S.  
Julie F. McCray, D.D.S., M.S.  
Paul A. Melnik, D.D.S., M.S.  
Mazyar Moshiri, D.M.D., M.S.  
Reza Movahed, D.M.D., O.F.F.M.S.

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Following preliminary laboratory and classroom instruction, each resident initiates treatment on a large number of patients who present a broad array of dental malocclusions and skeletal deformities. Although residents are first introduced to the Tweed edgewise philosophy form of treatment, students are also exposed to Tip-Edge mechanics (the sequel to Begg therapy), functional and other removable appliances, and to various straight wire appliances. The supervising faculty present their philosophies and techniques by means of lectures, seminars, laboratory exercises, and demonstrations.

In the clinic, students are exposed to a wide array of patient types. Children, adolescents, and adults are treated; consequently students are exposed to treatment in the deciduous, mixed, and adult dentitions. Students are also exposed to cases with compromised oral health that require consideration of periodontal, restorative, and temporomandibular joint treatment. As a result, many patients are treated by an interdisciplinary approach with other healthcare professionals. Throughout the clinical experience, each student receives a great deal of faculty attention. The development of diagnostic and treatment skills is emphasized as a major responsibility to students.

Additional courses and seminars augment the clinical experience covering the topics of diagnosis and treatment planning, cephalometrics, theoretical and practical biomechanics, oral pathology, oral medicine, multidisciplinary treatment, speech disorders, craniofacial defects with particular emphasis on cleft lip/palate rehabilitation, adolescent and adult psychology, implants, dentofacial orthopedics, surgical orthodontics, TMJ disorders, and practice management.

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 orthodontics. The experience of





- + Transcript(s)
- + Biographical goals statement
- + Curriculum vitae or résumé
- + National Match Number

**Requirements for International Students**

- + A completed Declaration of Financial Support packet with all accompanying documents
- + TOEFL or PTE Academic score
- + Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Application Deadline**

Applications must be completed by October 1 to be considered for the periodontic 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 October.

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For more information, visit the student financial services office online at [finaid.slu.edu](http://finaid.slu.edu).

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The pediatric dentistry program consists of clinical and classroom training on the graduate level in the specialty of pediatric dentistry. 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.

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BBS	5100	Responsible Conduct in Research	0
CAD	5010	Pain: Anatomy, Physiology, Psychology, Diagnosis & Treatment	1
CAD	5050	Introduction to Statistical Inference	3
CAD	5060	Ethics in Dental Research and Practice	0
CAD	5070	Bone & Periodontal Physiology	2
CAD	5080	Multidisciplinary Diagnosis and Treatment Planning	2
CAD	5100	Dental Therapeutics	1
CAD	5110	Principles of Practice Management	1
CAD	5160	Advanced Oral Medicine	1
CAD	5170	Advanced Oral Pathology	1
CAD	5190	Advanced Head and Neck Anatomy	2
ORES	5100	Research Methods in Health and Medicine	3
ORTH	5030	Facial Development	2
ORTH	5370	Orthodontic Problems Related to Cleft Palate Patient	1
ORTH	5390	Speech Problems Related to the Oral Mechanism	1
ORTH	5800	Seminar: Child and Adolescent Psychology	1
ORTH	5840	Diagnostic Seminars on Early & Mixed Dentition Treatment	2
PDED	5200	Pediatric Dentistry Lit Review	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	4
PDED	5950	Special Study for Examinations	0
PDED	5990	Thesis Research	6

**TOTAL CREDITS: 50**

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

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Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.



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applicants and students page for more information about international application requirements.

**Application Deadline**

Applications must be completed by August 1 to be considered for the periodontic 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 August or September.

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For more information, visit the student financial services office online at [finaid.slu.edu](http://finaid.slu.edu).

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The periodontic program consists of clinical and classroom training on the graduate level in the specialty of periodontics. The 36-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 Periodontology.