

ORTHODONTICS

Admission Requirements

Admission requirements and application deadline may be found on [ADEA PASS](#).

(Twenty-six month Program)

The student is introduced to orthodontics with an intense course in radiographic cephalometry and diagnosis and treatment planning. Patient care begins within the first six weeks of the program and culminates with comprehensive case examinations at the end of the final year. The broad clinical experience is complemented by didactic studies in basic and clinical sciences that meet or exceed the requirements of the American Dental Association.

Courses in the first year provide the student with the scientific knowledge, biomechanical principles and orthodontic techniques required to diagnose, plan treatment and correct routine and complex malocclusions of growing and skeletally mature patients. Topics include: growth and development, diagnosis and treatment planning, cephalometrics and radiology, biomechanics and appliance design, dentofacial orthognathic surgery, clinical photography, current and classical literature review and orthodontic treatment/case management.

Courses in the second year provide the student with advanced knowledge in orthodontic diagnosis, case management and treatment techniques. Various approaches to routine orthodontic tooth movement, dentofacial orthopedics, surgical-orthodontics and techniques for the management of the cleft lip and palate/craniofacial deformity patient are presented. Topics include: growth and development, biomechanics, adjunctive orthodontic procedures, radiology/radiographic imaging techniques, craniofacial deformities, dentofacial orthopedics, interdisciplinary comprehensive care, temporomandibular disorders, surgical orthodontics, literature review, clinical orthodontics and risk management.

The final six months of the educational program will focus on completion of research projects and thesis preparation. Emphasis will also be placed on the detailing and finishing of all remaining clinical cases under treatment. In addition, residents will employ their diagnostic and treatment planning skills for evaluation of new patients in screening clinics. Two one-week extramural rotations in the private offices of participating orthodontic faculty members highlight the final months of the residency.

The clinical faculty is exemplary and provides the student the education necessary to practice clinically efficient orthodontics. Graduates of the orthodontic program are encouraged to become board-certified. All students complete a research project for the master of science degree. In addition to a thesis, a publishable version of the research is required. Upon satisfactory completion of the program, students receive a certificate in orthodontics and a master of science degree.

Goals & Objectives

Long-Term Expectations:

Every resident will take the American Board of Orthodontics Written Examination in April of the final year of residency.

- All residents in each class will pass the ABO Written Exam.
- All residents in each graduating class will pass ABO Written Exam Examination and become ABO certified.

Short-Term Expectations:

Every resident will make at least one (or more) oral or poster presentations at national, state or local meetings during their training in addition to a presentation at UT Research Day, e.g.

- Southwestern Society of Orthodontists Meeting
- AADR/IADR Meeting
- AAO Meeting
- ADA Meeting
- TDA Meeting
- GHDS Meeting

Expectations Relevant to Orthodontic Education

The department is committed to training individuals who will teach either full-time or part-time in an academic orthodontic setting.

- At least one of the six residents in each graduating class will teach full-time or part-time in a dental school within one year of completing this program
- The department will train one PhD orthodontist every six years.