

ORTHODONTICS - CERTIFICATE

Orthodontics includes the diagnosis, prevention, interception, and correction of malocclusion, as well as neuromuscular and skeletal abnormalities of the developing or mature orofacial structures.

The program balances didactic, clinical, and research components. It includes training in applied and radiographic anatomy, biomechanics, physics, biostatistics, research design, orthodontic technique, diagnosis, treatment planning, and growth and development.

The completion of an MS in Oral Biology is mandatory for this specialty program. The specialty Certificate in Orthodontics, while a separate document from the MS degree in Oral Biology, is interwoven within the MS degree in such a way that the two are inseparable. One cannot be achieved without the other. Graduates of the 34.5-month regimen of study must complete a publishable MS thesis in order to receive their specialty certificate.

Application requirements include a DDS or DMD (or foreign equivalent), National Board Dental Examinations for graduates of American Dental Association Council on Dental Accreditation accredited institutions, Graduate Record Examination scores, a competitive academic record, and references. Applications are made through the ADEA Postdoctoral Application Support Service (PASS (<https://www.adea.org/PASSapp/applicants/>)). The program also participates in MATCH (<https://natmatch.com/dentres/>). The deadline to apply is August 15 of each year, with a start date the following summer.

All courses within this program are taught face-to-face, on campus at the College of Dentistry in Dallas, Texas. This program may require off-campus assignments at local, Dallas-Fort Worth metroplex hospitals or dental clinics.

This program prepares students for the opportunity to pursue an occupational license. Please refer to the Notification for Students Pursuing an Occupational License (<https://catalog.tamu.edu/graduate/appendices/licensing/>) in our catalog for additional information.

For more information about the Certificate in Orthodontics visit our website (<https://dentistry.tamu.edu/departments/orthodontics/>).

Program Requirements

Code	Title	Semester Credit Hours
ORTH 601	TMD Clinic I	0.0
ORTH 602	TMD Clinic II	0.0
ORTH 603	TMD Clinic III	0.0
ORTH 604	TMD Clinic IV	0.0
ORTH 605	TMD Clinic V	0.0
ORTH 656	TMD Clinic VI	0.0
ORTH 657	TMD Clinic VII	0.0
ORTH 658	TMD Clinic VIII	0.0
ORTH 659	TMD Clinic IX	0.0
ORTH 606	Craniofacial Anomalies Clinic I	0.0
ORTH 607	Craniofacial Anomalies Clinic II	0.0
ORTH 608	Craniofacial Anomalies Clinic III	0.0

ORTH 609	Craniofacial Anomalies Clinic IV	0.0
ORTH 611	Biomechanics II	1.0
ORTH 612	Material Science in Orthodontics	1.0
ORTH 614	Orthognathic Surgery Conference I	0.0
ORTH 615	Orthognathic Surgery Conference II	0.0
ORTH 616	Orthognathic Surgery Conference III	0.0
ORTH 617	Orthognathic Surgery Conference IV	0.0
ORTH 618	Orthognathic Surgery Conference V	0.0
ORTH 619	Orthognathic Surgery Conference VI	0.0
ORTH 620	Orthognathic Surgery Seminar	0.5
ORTH 622	Clinical Specialty Seminars II	2.0
ORTH 623	Clinical Specialty Seminars III	1.0
ORTH 624	Clinical Specialty Seminars IV	2.0
ORTH 625	Clinical Specialty Seminars V	2.0
ORTH 626	Clinical Specialty Seminars VI	1.5
ORTH 627	Clinical Specialty Seminars VII	2.0
ORTH 628	Clinical Specialty Seminars VIII	2.0
ORTH 629	Clinical Specialty Seminars IX	2.0
ORTH 630	Advanced Orthodontic Practice Management I	2.0
ORTH 631	Advanced Orthodontic Practice Management II	2.0
ORTH 634	Independent Research I	2.0
ORTH 639	Independent Research-Manuscript Development III	2.0
ORTH 647	Clinical Orthodontics I	1.0
ORTH 648	Clinical Orthodontics II	3.0
ORTH 649	Clinical Orthodontics III	3.0
ORTH 650	Clinical Orthodontics IV	2.0
ORTH 651	Clinical Orthodontics V	3.0
ORTH 652	Clinical Orthodontics VI	3.0
ORTH 653	Clinical Orthodontics VII	2.0
ORTH 654	Clinical Orthodontics VIII	2.5
ORTH 655	Clinical Orthodontics IX	3.0

Total Semester Credit Hours 47.5

Must complete 34.5 months of residency, total credit hours specified, any noncredit courses specified, and be approved by the Promotions Committee for this certificate to be awarded.

The MS in Oral Biology (<https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/dentistry/interdepartmental/oral-biology-ms/>) is also required, for which students must complete an additional 32 semester credit hours, conduct a research project, and successfully defend a written thesis. The coursework for the Certificate and the MS are completed simultaneously.

In accordance with Student Rule 10.4.1, grades of S or U may be assigned in certain officially designated certificate courses.