

# ORTHODONTICS, MSD

**More Information:** <https://case.edu/dental/departments-programs/orthodontics>

**Degree:** Master of Science in Dentistry (MSD)

**Field of Study:** Orthodontics

## Program Overview

The graduate program in orthodontics is a master's (Master of Science in Dentistry) and certificate program dedicated to advancing the art and science of orthodontics through research, teaching, and service.

The clinical training of orthodontic residents encompasses all aspects of current orthodontic practice including, full treatment cases with fixed appliances and clear thermoplastic aligners, early treatment, adult treatment, craniofacial anomalies, orthognathic surgery, oral appliances for sleep apnea, the use of temporary anchorage devices (TADS) soft tissue lasers, and electrosurgery. The length of the orthodontic program is 30 months. Given this time frame, the clinical teaching of orthodontics will be divided according to the importance of the above topics to the private practice of orthodontics. In a program of 30 months it is not possible to produce a seasoned and skilled orthodontist, therefore our program strives to produce a competent beginner. Accordingly, the clinical load of patients is chosen to match the teaching goals of the department.

There is an option to extend the program to 36 months to satisfy European specialty training standards (ERASMUS).

## Admission

Please review the admissions process for additional information.

## Program Requirements

The MSD program in Orthodontics fulfills the Standards set by the Commission on Dental Accreditation (CODA) for training in the specialty.

## Sample Plan of Study

### First Year

Fall		Hours
DENT 504	Advanced Facial Growth	1
DENT 505	Dentofacial Anomalies	0 - 1
DENT 512	Advanced Oral Pathology	0 - 3
DENT 513	Anatomy of the Head and Neck (summer/fall)	0 - 3
DRTH 523	Clinical Specialty Seminar	2
DENT 565	Practice Management I (Ortho)	0 - 1
DENT 569	Orthodontic Literature Review I (summer/fall)	1
DENT 573	Advanced Specialty Principles: Clinical I (summer/fall)	2
DENT 580	Orthodontics-Oral Surgery Conference (summer/fall)	0 - 1
DENT 583	Orthodontic Diagnostic Seminar I	1
DENT 698	Multidisciplinary Seminar	0 - .5
DENT 510	Epidemiology and Biostatistics	0 - 3

DENT 572	Pre-Clinical Principles in Orthodontics	0 - 1
DENT 682	Cephalometrics	0 - 1
DENT 555	Management of Medical Emergencies	0 - 1
DENT 503	Facial Growth and Development	0 - 1

**Hours** **7-23.5**

### Spring

DENT 502	Correlative Medical Science	0 - 2
DENT 501	Biological Aspects of the Stomatological System	0 - 2
DENT 514	Research Methods: Preparation	0 - 1
DENT 516	Microbiology, Immunology, and Immune Systems	0 - 3
DENT 518	Behavioral Considerations in Oral Health Care	0 - 1
DENT 550	Clinical Pharmacology	0 - 1

**Hours** **0-10**

### Second Year

#### Fall

DENT 505	Dentofacial Anomalies	0 - 1
DENT 585	Orthodontic Diagnostic Seminar III	1
DENT 580	Orthodontics-Oral Surgery Conference	0 - 1
DENT 651	Thesis M.S.D. (summer/fall)	1 - 9

**Hours** **2-12**

#### Spring

DENT 580	Orthodontics-Oral Surgery Conference	0 - 1
DENT 651	Thesis M.S.D.	1 - 9

**Hours** **1-10**

**Total Hours** **10-55.5**