

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

More information about the admission process can be found at

<https://case.edu/dental/departments-programs/orthodontics/graduate-programs/how-to-apply-to-graduate-programs>

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**