

POSTGRADUATE PROGRAM IN ORTHODONTICS - CERTIFICATE

Visit program website. (<https://dentistry.ucsf.edu/programs/post-grad/orthodontics/>)

Degree Offered: Certificate

Program Leadership:

Christine Hong, DMD, MS, Program Director

Admissions Inquiries:

Brennan Crilly, Assistant Director, Admissions and Outreach

Program Description

This is a full-time 35 month course of study that culminates in a postgraduate certificate in orthodontics. Students simultaneously complete a master's in Oral and Craniofacial Sciences.

Admission Requirements

To be eligible for admission to the program, you must meet the following requirements:

- Hold a DDS, DMD degree or equivalent by the start of the program
- Applicants must Pass the National Board Dental Examination (NBDE), Part 1 or Integrated National Board Exam (INBDE) by the application deadline if you are currently in dental school. Applicants that have completed dental school must pass and submit NBDE Parts 1 and 2 or INBDE by application deadline. Matched applicants must pass and submit NBDE Part 2 results by the start of the program if the NBDE Part 1/2 exam was taken.
- Take the Graduate Record Examination (GRE) and post scores on ADEA PASS application by application deadline
- Take the Test of English as a Foreign Language (TOEFL), if your native language is not English and you have not completed at least one year of college or university-level studies in the United States.

Learn more about the Orthodontics Program admissions (<https://dentistry.ucsf.edu/programs/post-grad/orthodontics/admissions/>).

Learning Outcomes

- Graduate must become proficient in evidence-based orthodontic practice and conduct advanced scholarly activity culminating in a thesis.
- Graduate must be proficient in the diagnosis, development of a treatment plan, and the treatment of a variety of orthodontic and dentofacial problems to accepted standards.
- Graduate must understand foundational principles of orthodontics (growth and development, tooth movement and bone biology and metabolism, biomechanics, and imaging) and use appropriately in clinic care.
- Graduate must be familiar with aspects of practice management and the importance of effective people management and interaction.
- Graduate must be able to interact with other specialties to perform complex dental care.

Additional Information

Program Faculty

- Find a program faculty list (<https://dentistry.ucsf.edu/programs/post-grad/orthodontics/faculty/>) on the program website.

Degree Requirements

- Completion of all required courses, rotations and research project/thesis
- First Year: Written comprehensive exam
- Second Year: ABO Part II Exam
- Third Year: Graduation case presentations, Case-based scenario exam

Core Courses

Course	Title	Units
Year 1		
ORTHODONT 440	Orientation to Clinical Orthodontics	1
ORTHODONT 441	Introduction to Orthodontic Techniques	1
ORTHODONT 442	Introduction to Diagnosis and Treatment Planning	1
ORTHODONT 443	Review of Classic Texts in Orthodontics: Proffit/Graber	1
ORTHODONT 444A	Basics of Cephalometric Analysis	1
ORTHODONT 444B	Introduction to 3-D Imaging	1
ORTHODONT 445	Facial Growth & Development	1
ORTHODONT 447A	Fundamentals of Biomechanics	1
ORTHODONT 447B	Clinical Applications of Biomechanics	1
ORTHODONT 448	Orthodontic Journal Club and Literature Review	1
ORTHODONT 450	Treatment in Progress Seminar	1
ORTHODONT 453	Fundamentals of Clear Aligner Therapy	1
ORTHODONT 454	Emerging Orthodontic Products and Technologies	1
ORTHODONT 456	Mixed Dentition Diagnosis and Treatment Planning	1
ORTHODONT 457	Orthodontics and Orthognathic Surgery	1.5
ORTHODONT 458	Orthodontics and Prosthodontics	0.5
ORTHODONT 459	Orthodontic and Periodontic Treatment	0.5
ORTHODONT 462	Orthodontic Clinics	10
ORTHODONT 465	Surgical Orthodontics	1
ORAL RAD 400	Advanced Oral and Maxillofacial Radiology	1
Units		28.5
Year 2		
ORTHODONT 448	Orthodontic Journal Club and Literature Review	1
ORTHODONT 449	Advanced Orthodontic Diagnosis and Treatment Planning	1
ORTHODONT 450	Treatment in Progress Seminar	1
ORTHODONT 452	Principles of Orthodontic Finishing	1
ORTHODONT 453	Fundamentals of Clear Aligner Therapy	1
ORTHODONT 454	Emerging Orthodontic Products and Technologies	1
ORTHODONT 456	Mixed Dentition Diagnosis and Treatment Planning	1
ORTHODONT 457	Orthodontics and Orthognathic Surgery	1.5
ORTHODONT 458	Orthodontics and Prosthodontics	0.5
ORTHODONT 459	Orthodontic and Periodontic Treatment	0.5
ORTHODONT 461	Orthodontic Research 1	1
ORTHODONT 462	Orthodontic Clinics	10
ORTHODONT 463	American Board Orthodontics Written Exam Literature Review	1
ORTHODONT 464	American Board of Orthodontics PH III Clinical Exam Review	1
ORTHODONT 465	Surgical Orthodontics	1
CRAN ANOM 419	Craniofacial Anomalies	0.5
Units		24
Year 3		
ORTHODONT 448	Orthodontic Journal Club and Literature Review	1

ORTHODONT 450	Treatment in Progress Seminar	1
ORTHODONT 454	Emerging Orthodontic Products and Technologies	1
ORTHODONT 455	Orthodontic Practice Management and Transitions	1
ORTHODONT 457	Orthodontics and Orthognathic Surgery	1.5
ORTHODONT 458	Orthodontics and Prosthodontics	0.5
ORTHODONT 459	Orthodontic and Periodontic Treatment	0.5
ORTHODONT 461	Orthodontic Research 1	1
ORTHODONT 462	Orthodontic Clinics	10
Units		17.5
Total Units		70

Non-course Core Requirements

Completion of the following seminars:

- Applied Ortho Techniques Seminar

Completion of course content in the following courses, which are taken in the parallel Oral and Craniofacial Sciences Master's program:

Code	Title	Units
DEN PUB HL 200	Ethical Considerations in Clinical & Public Health Dentistry	2
DEN PUB HL 210	Introduction to Research Methods and Design	2
CRAN ANOM 206	Etiology, Growth Characteristic and Management of Cleft Lip	2
CRAN ANOM 207	Etiology, Growth Characteristics & Management of CFA	2
OR CRA FAC 205	Advanced Topics in Pharmacology for the Dental Specialist	1
OR CRA FAC 283	Introduction of Biostatistics for Dentistry	2.5
ORAL MED 208	Oral Diseases	3
OR CRA FAC 204	Biology of Craniofacial Development and Tooth Movement	2