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

a. Graduate must become proficient in evidence-based orthodontic practice and conduct advanced scholarly activity culminating in a thesis.
b. 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.
c. 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.
d. Graduate must be familiar with aspects of practice management and the importance of effective people management and interaction.
e. 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