

# ORAL AND CRANIOFACIAL SCIENCES (MS)

**Degree Offered:** MS

**Program website URL:** N/A

**Program Leadership:**

Nathan M. Young, PhD, Program Director

**Admissions Inquiries:**

Roger Mraz, Program Coordinator

## Program Description

The Oral and Craniofacial Sciences (OCS) Master of Science degree is a "Plan I" program, requiring a minimum of 30 academic units and a written thesis, including at least one full year of research and didactic study. Students are encouraged to publish their MS thesis work in a peer-reviewed journal with their mentor.

Postgraduate programs at UCSF allow the combination of academic/research training for the MS degree with clinical training leading to a specialty certification, usually over a three-year period.

Like the Oral and Craniofacial Sciences PhD program, the MS program is interdisciplinary in focus, and provides students with the knowledge and research tools needed to study oral and craniofacial tissue and organ systems. From a variety of approaches, students learn about the functions of these tissues and systems, and about the conditions and diseases to which these tissues and systems are susceptible. The OCS program emphasizes the importance of translating scientific discovery into advances in patient diagnosis, treatment, and clinical care.

## Faculty

Fifty faculty members are associated with the OCS programs, representing several departments in the UCSF School of Dentistry as well as many departments in the UCSF School of Medicine. This ensures a program curriculum that spans a range of disciplines. See a list of faculty (<https://dentistry.ucsf.edu/programs/oral-cranio-phd/faculty/>) and their research areas.

## Career Outcomes

Since the OCS/MS program is taken in conjunction with a professional program, most program alumni are working in a dental practice setting.

The OCS program office is located at the Parnassus campus. Please contact Roger Mraz, program administrator, if you have any questions.

The Oral and Craniofacial Sciences program is offered by the UCSF Graduate Division, administered by the UCSF School of Dentistry, and delivered by faculty members in the UCSF schools of dentistry and medicine.

## Admission Requirements

Students must be accepted and enrolled in a UCSF School of Dentistry residency program.

## Learning Outcomes

Upon completion of this program, students will have:

- Completed coursework and learned best practices in dental-based research including ethical considerations.

- Obtained statistical skills to appropriately design and test a research hypothesis.
- Developed an independent and novel hypothesis-driven research project from background reading to data collection to analysis and write up.
- Performed independent research leading to a published master's-level thesis.

## Degree Requirements

- Minimum GPA of 3.0
- 30 units (where applicable for MS programs)
- All core courses and required activities taken and passed
- Pass comprehensive examination **or** completion and submission of a master's thesis (students should consult with their program for specific requirements).
- For additional details, please see: [graduate.ucsf.edu/ocs-ms](https://graduate.ucsf.edu/ocs-ms) (<https://graduate.ucsf.edu/ocs-ms/>)

## Core Courses

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
OR CRA FAC 296	Master's Thesis Project Design (Thesis Protocol)	1
OR CRA FAC 220	Seminar Series	1
OR CRA FAC 283	Introduction of Biostatistics for Dentistry	2.5
OR CRA FAC 295	Masters Studies Journal Club	1
OR CRA FAC 250	Research	1-8
<b>Total Units</b>		<b>10.5-17.5</b>

## Elective Requirements

Code	Title	Units
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 204	Biology of Craniofacial Development and Tooth Movement	2
OR CRA FAC 221	Current Concepts in Oral Biology	2.5
OR CRA FAC 224	Host Response	2
RESTOR DEN 203	Mineralized Tissues: Science, Engineering & Clinical Aspects	2
ORAL MED 208	Oral Diseases	3
RESTOR DEN 213	Chemical Aspects of Dental Caries	2