

# Oral and Maxillofacial Surgery

## Head

- Kirk L. Fridrich

## Assistant Head

- Richard G. Burton

## Director, Graduate Program

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**Professional certificate:** oral and maxillofacial surgery  
**Faculty:** <https://www.dentistry.uiowa.edu/oral-maxillofacial-surgery-faculty>  
**Website:** <https://www.dentistry.uiowa.edu/oral-maxillofacial-surgery>

The Department of Oral and Maxillofacial Surgery combines clinical and didactic training to fit the individual interests, abilities, and development of students. Its training program for predoctoral students is based in the College of Dentistry, with some clinical assignments in the oral and maxillofacial surgery division at University of Iowa Hospitals and Clinics. Its certificate program is based primarily in the Oral and Maxillofacial Surgery Residency program at University of Iowa Hospitals and Clinics.

## D.D.S. Student Training

The Doctor of Dental Surgery curriculum in oral and maxillofacial surgery is designed to develop a foundation of professional knowledge and surgical skills that will enable students to diagnose and manage surgical problems related to general dentistry practice. The program emphasizes high ethical standards and development of good surgical concepts and judgment.

The clinical portion of the curriculum allows students to develop surgical skills and apply the theoretical knowledge acquired in didactic courses. Theory and application of anesthesia-analgesia, intravenous sedation, and nitrous oxide analgesia techniques are presented through didactic and clinical experiences.

## Programs

### Professional Program of Study

#### Certificate

- Certificate in Oral and Maxillofacial Surgery

## Facilities

The University of Iowa health sciences campus has outstanding basic and clinical science departments that stimulate and support scholarly research and superior clinical practice. Appropriate environments for residency training in oral and maxillofacial surgery are provided by University of Iowa Hospitals and Clinics, the College of Dentistry, and the Carver College of Medicine.

## Courses

### Oral and Maxillofacial Surgery Courses

#### OMFS:5208 Pain and Anxiety Control 0-3 s.h.

Nitrous oxide; intravenous, oral, intramuscular anxiety and pain control; pharmacology of agents; complications, their management.

#### OMFS:8115 Anesthesia and Pain Control I 1 s.h.

Principles, techniques of complete medical history, head and neck examination, cardiovascular and respiratory examination; neuroanatomical, psychophysiological aspects of pain; pharmacologic action and techniques for using local anesthetics.

#### OMFS:8230 Basic Oral and Maxillofacial Surgery 2 s.h.

Principles; indications, contraindications for extractions; evaluation of patient's related medical history; techniques of extraction, minor oral surgery procedures.

#### OMFS:8245 Anesthesia and Pain Control II 1 s.h.

Theory, application, instrumentation of nitrous oxide sedation; emphasis on cardiovascular, respiratory physiology; evaluation of patients, practical techniques for nitrous oxide sedation.

#### OMFS:8355 Advanced Oral and Maxillofacial Surgery 1 s.h.

History, examination, diagnosis, treatment of diseases and traumatic injuries of oral cavity.

#### OMFS:8360 Clinical Oral and Maxillofacial Surgery arr.

Clinical experience at the College of Dentistry, University of Iowa Hospitals and Clinics, Veterans Affairs Iowa City Health Care System.