The Oral and Maxillofacial Surgery-Advanced Specialty Program is designed to prepare the resident for practice of the specialty and to provide the foundation for the continued acquisition of knowledge and skills. Clinical surgical health-care delivery is emphasized. The resident is introduced to research methodology and teaching to develop an increased awareness of its importance in assessing clinical procedures and patient management. The content of the program conforms to the Standards of the Commission on Dental Accreditation (CODA) and is designed to prepare the surgeon for certification by the American Board of Oral and Maxillofacial Surgery.

Four-year and six-year residency programs are available. Residents in the six-year program will also complete medical school and a one-year general surgery internship. Residency begins July 1.

Following enrollment into the program, residents may apply for acceptance to either the Master of Science (M.S.) or the Master of Science in Dentistry (M.S.D.) degree track, in addition to the specialty certificate. The application should be submitted before the end of the first year and must be supported by the program director. Admission into the M.S. or the M.S.D. degree track may extend the length of study. The additional time must be in residence.

### Oral and maxillofacial surgery program goals
1. To prepare the resident for competent delivery of health care.
2. To prepare the resident for continual acquisition of skills and knowledge to improve health care.
3. To prepare the resident for certification by the American Board of Oral and Maxillofacial Surgery.
4. To provide the background for stimulation of academic achievement should the resident wish to enter into a teaching career.
5. To enable the resident to practice the full scope of oral and maxillofacial surgery in a competent and skillful manner, based on a thorough knowledge of the basic sciences.
6. To integrate oral and maxillofacial surgical care with other medical and dental specialties in the health-care delivery system.
7. To conduct clinical investigation and/or research studies.
8. To encourage the resident to practice the specialty based upon the highest moral and ethical standards.
9. To provide the resident the opportunity to achieve a high degree of clinical proficiency in his/her specialty.
10. To provide a broad and extensive surgical experience.
11. To develop competence in the administration of inpatient and outpatient general anesthesia, local anesthesia, and sedation techniques.
12. To provide the resident with the basic skills and tools required to manage the administration of his/her practice.
13. To provide competence in resident communication skills. Training will include public speaking, lecturing, writing, and improving the resident’s critical thinking—providing a foundation to become an effective student and mentor.
14. To provide residents with the skill to proficiently assess and treat problems of the maxillofacial region. This includes dentoalveolar surgery, maxillofacial trauma, reconstructive surgery, pathology, and orthognathic/craniofacial surgery.
15. To demonstrate the importance of lifelong learning and to encourage promotion of faculty.

### Program link
https://llu.edu/dentistry/gradprograms

### Program director
Jayini S. Thakker

### Pre-doctoral program director
Murray K. Jacobs

### Faculty
Jeffrey A. Elo
Alan S. Herford
Murray K. Jacobs
Frederick R. Mathews
Dale E. Stringer
Jayini S. Thakker

### Admissions

#### Application process
The Oral and Maxillofacial Surgery, Advanced Program participates in the Postdoctoral Application Support Service (PASS) of the American Dental Education Association (ADEA), which allows applicants to apply to multiple participating institutions.

PASS applicants for the advanced education program in oral and maxillofacial surgery must also complete and submit an online application (<llu.edu/central/apply>) directly to Loma Linda University.

The advanced education program also participates in the Postdoctoral Dental Matching Program (Match). This program identifies and "matches" the preferences of applicants and the advanced education program, using a rank order list submitted by the applicant and the program. A Match application (<https://portal.passweb.org/>) is also required.

#### Application deadline
Application for admission should be submitted by September 15 of the year prior to the summer of intended enrollment. Applicants to the six-year program must also apply to the School of Medicine.

### Tuition
Fees will be charged but tuition will be waived for 2018-2019 academic year. Residents are paid a stipend during training.

### Program requirements
#### Certificate

<table>
<thead>
<tr>
<th>Major</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMFS 604</td>
<td>Selected Topics in Oral and Maxillofacial Surgery</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>OMFS 605</td>
<td>Integrated Orthodontic and Surgical Correction of Dentofacial Deformities</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>OMFS 606</td>
<td>Applied Surgical Anatomy</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
Normal time to complete the program

Certificate—4 years (48 months) — full-time enrollment required

Certificate/M.D.—6 years — full-time enrollment required

M.S.D.

In addition to completing the requirements for the certificate as listed above, students must also complete the following courses and fulfill the general requirements (http://llucatalog.llu.edu/dentistry/graduate/#generaldegreerequirementstext) for the degree. Students may take up to one year following the completion of the certificate program to complete the M.S.D. degree.

OMFS 607 Principles of Medical History, Physical Examination, and Clinical Medicine 2

OMFS 608 Surgical Oral and Maxillofacial Pathology Conference 6

OMFS 609 Literature Review in Oral and Maxillofacial Surgery 6

OMFS 616 Application of Surgical Principles to Orthognathic Surgery 1

OMFS 617 Critical Decision Making in Oral and Maxillofacial Surgery 12

OMFS 618 Introduction to General Anesthesia 1

OMFS 696 Scholarly Activity in Oral and Maxillofacial Surgery 1

Interdisciplinary

GRDN 601 Practice Management 2

GRDN 632 Basic Microsurgery Techniques 2

IMPD 547 Implant Dentistry Grand Rounds 4

IMPD 611 Introduction to Implant Dentistry 2

IMPD 612 Advanced Implant Dentistry 2

RELE 534 Ethical Issues in Public Health 3

Total Units 69

Clinical 1

OMFS 614 Clinical Experience in Oral and Maxillofacial Surgery Practice 70

OMFS 615 Current Trends in Medicine and Surgery 12

Total Units 82

1 Units for clinic practice courses do not count toward minimum number of didactic units required for the degree.

Normal time to complete the program

Certificate—4 years (48 months) — full-time enrollment required

Certificate/M.D.—6 years — full-time enrollment required

M.S.

In addition to completing the requirements for the certificate as listed above, students must also complete the following courses and fulfill the general requirements (http://llucatalog.llu.edu/dentistry/graduate/#generaldegreerequirementstext) for the degree. Students have 5 years from the start of the certificate program to complete the M.S. degree.

OMFS 697A Research 1

OMFS 697B Research 1

OMFS 697C Research 1

Normal time to complete the program

4 years (48 months) + thesis — full-time enrollment required (this includes the time needed to complete the certificate program).

OMFS 698 Thesis 1

Normal time to complete the program

4 years (48 months) + thesis — full-time enrollment required (this includes the time needed to complete the certificate program).

Courses

OMFS 604. Selected Topics in Oral and Maxillofacial Surgery. 1 Unit.

A rotating, two-year schedule of weekly seminars covering selected topics in oral and maxillofacial surgery. Following a lecture on these topics, recent representational clinical cases presented and used as the basis for review and discussion—enhancing the knowledge base and critical thinking. Monthly grand rounds, given by respected guest speakers considered to be experts in their respective fields, cover current topics in oral and maxillofacial surgery and in practice management. Repeated registrations required to fulfill the total units.

OMFS 605. Integrated Orthodontic and Surgical Correction of Dentofacial Deformities. 1 Unit.

A monthly multidisciplinary seminar course emphasizing preoperative diagnosis, planning, intraoperative procedures, and postoperative care of orthognathic patients. Includes description of congenital and developmental deformities, emphasizing all aspects of surgical-orthodontics patient management leading to critical thinking and decision making. Patients selected include a wide range of dentofacial deformities. Preoperative skeletal, dental, and soft-tissue analyses performed. Emphasizes the importance of accurate cephalometric analysis in treatment planning, including accurate prediction tracings. Repeated registrations required to fulfill the total units.

OMFS 606. Applied Surgical Anatomy. 1 Unit.

Enables the resident to master the anatomic principles involved in clinical diagnosis and in assessing clinical problem areas encountered in various health-care delivery situations. Discusses in detail the applied anatomic consequences of various surgical and treatment procedures and the anatomic aspects of emergencies occurring in practice, including cadaveric dissection. Emphasizes knowledge of the vascular supply and neuroinnervation of the structures of the oral cavity and adjacent areas of the head and neck. Applies material discussed in terms of actual clinical case presentations.

OMFS 607. Principles of Medical History, Physical Examination, and Clinical Medicine. 2 Units.

Focuses on developing accurate history-taking and physical examination skills. Specific topics include review of organ systems and associated pathology (physical and laboratory), hospital protocol, and charting. Residents perform history and physical (H&P) on medical and surgical patients. Emphasizes proficiency in developing differential diagnoses of common medical and surgical problems.

OMFS 608. Surgical Oral and Maxillofacial Pathology Conference. 0.5 Units.

Uses recent pathology cases as the basis for review and discussion of common and ominous lesions encountered. Emphasizes differential diagnosis and patient management. Guest lecturers cover selected topics in oral and maxillofacial pathology. Repeated registrations required to fulfill the total units.

OMFS 609. Literature Review in Oral and Maxillofacial Surgery. 0.5 Units.

A monthly discussion of recent literature from selected journals. Reviews classic landmark articles and their impact on the specialty. Repeated registrations required to fulfill total units.
OMFS 614. Clinical Experience in Oral and Maxillofacial Surgery Practice. 7 Units.
Training in various aspects of oral and maxillofacial surgery. Training in dentoalveolar surgery, complicated fractures of the facial bones, reconstructive maxillofacial surgery, surgical orthognathic correction, treatment of developmental and acquired deformities of the jaw, implant surgery, temporomandibular joint surgery, and osseous grafting of postresection and posttraumatic maxillofacial defects. Study continues in the application of general anesthesia to ambulatory outpatient surgery patients. Residents trained to assume full responsibility for all aspects of the oral and maxillofacial surgery practice. Advanced clinical training in the subspecialty areas of oral and maxillofacial surgery, as well as training through off-service rotations with internal medicine, plastic and reconstructive surgery, head and neck surgery, general surgery, and other specialties. Repeated registrations required to fulfill the total units.

OMFS 615. Current Trends in Medicine and Surgery. 2 Units.
Off-service specialty seminars on a wide range of topics, including anesthesia, internal medicine, ICU care, general surgery, and various specialty topics. Repeated registrations required to fulfill the total units.

OMFS 616. Application of Surgical Principles to Orthognathic Surgery. 1 Unit.
Introductory multidisciplinary lecture-seminar emphasizing preoperative diagnosis, treatment planning, intraoperative procedures, and postoperative care of orthognathic patients; description of congenital and developmental deformities, emphasizing all aspects of surgical orthodontic patient management.

OMFS 617. Critical Decision Making in Oral and Maxillofacial Surgery. 1 Unit.
A weekly seminar designed to expand the participants’ skill in critical decision making as it pertains to patient care in the field of oral and maxillofacial surgery. Students present cases weekly of proposed surgical experiences—reviewing data gathering, treatment alternatives, and treatment of complications. Additionally, selected posttreatment cases presented to review the proposed treatment versus the actual outcome as an opportunity for the participant to be involved with an outcome assessment analysis. Repeated registrations required to fulfill the total units.

OMFS 618. Introduction to General Anesthesia. 1 Unit.
Introduces the theory and practice of general anesthesia.

OMFS 696. Scholarly Activity in Oral and Maxillofacial Surgery. 1 Unit.
Selected didactic, clinical, and/or laboratory activity developed by the program director or a designated program faculty member. Primarily designed for residents to fulfill the certificate requirements for scholarly activity/research in oral and maxillofacial surgery. Multiple registrations may be needed to complete these activities.

OMFS 697A. Research. 1 Unit.
Student identifies a research project, prepares a protocol, and obtains approval for the protocol. Multiple registrations may be needed to complete these research activities.

OMFS 697B. Research. 1 Unit.
Conducting the actual research project, including the data collection. Multiple registrations may be needed to complete these research activities.

OMFS 697C. Research. 1 Unit.
Resident completes research project, holds a public presentation of research, and submits a publishable paper to his/her research guidance committee (RGC) for approval. Multiple registrations may be needed to complete the publishable paper.