Lincoln Memorial University – College of Dental Medicine

CATALOG 2023-2024

Updated June 2023

Table of Contents

DMD Program

Mission Statement - DMD

The mission of the Lincoln Memorial University College of Dental Medicine is to develop competent oral health care providers who are committed to the premise that the cornerstone of meaningful existence is service to humanity.

The Mission of LMU-CDM is achieved by:

1. Graduating competent Doctor of Medicine in Dentistry.
2. Providing a values-based learning community as the context for teaching, research, patient care, and service.
3. Improving the oral and general health of the people within the Appalachian region and beyond.
4. Focusing on enhanced access to comprehensive oral health care for underserved communities.
5. Investing in quality academic programs supported by superior faculty and technology.
6. Embracing compassionate, patient-centered, and person-centered oral health care that values diversity, public service, and leadership as an enduring commitment to professionalism and the highest ethical standards.
7. Facilitating the growth, development, and maintenance of graduate dental education.

Program Overview - DMD

The program is a full-time, continuous, 46-month cohort program consisting of 270.5/280.5 credit hours culminating in the receipt of the DMD degree. The curriculum includes eleven consecutive semesters of academic and clinical education. The projected life of the program is ongoing but will admit only one cohort per year.

The competency-based curriculum design is based on the American Dental Education Association's (ADEA) Competencies for the New General Dentist. When achieved, it predicts with confidence that students have attained the knowledge; clinical, research, critical thinking, practice management, behavioral, and interpersonal skills; clinical experience; sound clinical judgment; professional and ethical behavior; and patient care training to provide comprehensive oral health care to diverse patients of all ages and conditions of physical, mental, and emotional health. The 39 competency statements address the following domains of competence: Critical Thinking, Professionalism, Communication, and Interpersonal Skills, Health Promotion, Practice Management and Informatics, Patient Care; Assessment, Diagnosis, and Treatment Planning, and Establishment and Maintenance of Oral Health.

Admissions - DMD

The Office of Admissions and Student Services is responsible for admissions, recruitment, retention, securing financial services, student records, tracking of outcomes data, providing academic support, and counseling for dental students. In addition, the Office is a center of campus life and oversees all student activities, student government functions, student clubs, the student ambassador program, and all other non-academic student-life issues. The Office is committed to creating an environment that is conducive to learning so that all LMU-CDM dental students fully reach their academic and personal potential. The Office works closely with various college and university committees to create an environment that facilitates student learning. The Office has an open-door policy and students are welcome to come in at any time, although appointments are recommended.

The Lincoln Memorial University Office of Student Services will provide students with information on parking, meal plans, housing, ticket sales, campus events, security etc. in cooperation with the LMU-CDM.

Application Process - DMD

The Director of Admissions is the primary contact for students making applications to LMU-CDM.

ADEA AADSAS Application

LMU-CDM participates in a centralized application service, the ADEA Associated American Dental Schools Application Service (ADEA AADSAS). The American Dental Education Association (ADEA) offers prospective students a convenient, centralized on-line application service for accredited dental schools. Through ADEA AADSAS, students can file one electronic application. ADEA AADSAS then verifies and distributes the information to each of the colleges designated by the applicant. AACOMAS can be reached at www.adea.org.

Admissions Requirements by Pathway of Entry

Required Undergraduate Courses:

- General Biology: 8 semester hours (including lecture and lab)
- Inorganic (General) Chemistry: 8 semester hours (including lecture and lab)

- Organic Chemistry: 8 semester hours (including lecture and lab)
- Physics: 8 semester hours (including lecture and lab)
- English: 8 semester hours

Note: Labs are required in all science prerequisites unless otherwise noted.

Recommended Undergraduate Courses:

- Anatomy and Physiology: 4 semester hours
- Biochemistry: 4 semester hours
- Cellular & Molecular Biology: 4 semester hours
- Histology: 4 semester hours

Direct Freshman Entry – BS to DMD
This pathway is appropriate for high school seniors applying to LMU who would like to complete their Bachelor of Science (Biology, Chemistry, or Pre-Health Professions Track) and DMD degree in 8 years via the BS/DMD degree path.

These students must meet the following criteria for undergraduate admissions:

Required Entrance Test(s):

- For high school seniors, either the ACT or SAT to determine eligibility to take biology and chemistry courses. Students applying to the Doctor of Medicine in Dentistry (DMD) program must possess a cumulative high school GPA of 3.7 on a 4.0 scale.
- Minimum Score on Required Entrance Test(s): ACT of 25+ or SAT of 1250

Students Must Satisfy the Following Requirements for Guaranteed Admissions:

High School Seniors:

- Complete the LMU College of Dental Medicine Application for Admissions
- Initial Admissions Interview with LMU-CDM Admissions Committee (During Senior Year)
- 1000-word essay – How you arrived at this career goal.
- Two letters of reference attesting to community service and leadership ability addressing character and other skills (from non-relatives)
- Overall Undergraduate Grade Point Average (GPA): 3.3
    - Required GPA in Undergraduate Major: Student must maintain at least a 3.3 (science) and 3.2 (non-science) GPA
    - Minimum GPA for each Required Course: A C+ is the minimum grade need for all required courses. However, a "B" or better is generally needed.
- Required Technical Standards and Competencies for Program Admission:
    - DAT – Dental Aptitude Test (can be no more than one year old): Student must score a 19 or better
    - 60 Observation/Shadowing Hours in a General Dentist's Office
    - Chalk/Soap Carving Exercise: Student Must Score a Minimum of 7/12
- During the summer before the last year of college, the student will apply to LMU-CDM through the ADEA Associated American Dental Schools Application Service (ADEA AADSAS) for admissions to the DMD program with three letters of recommendation. The student will be required to complete the supplemental application and meet for a second interview with the LMU-CDM Admissions Committee.
- Applicants must pass the Lincoln Memorial University College of Dental Medicine criminal background check.
- Applicants must be drug-free, as evidenced through required drug-testing (completed upon offer of admission).

LMU-CDM Technical Standards for Admissions and Retention
Candidates for admission must also have abilities and skills in five areas: I) Observation; II) Communication; III) Motor; IV) Conceptual, Integrative, and Quantitative; and V) Behavioral and Social. Technological compensation can be made for some limitations in certain areas, but candidates should perform in a reasonably independent manner (Technical Standards).

I. Observation: The candidate must be able to accurately make observations at a distance and close at hand. Observation necessitates the functional use of the sense of vision and somatic sensation and is enhanced by the functional use of all other senses.
II. Communication: The candidate must communicate effectively, efficiently, and sensitively in both oral and written form and perceive nonverbal communication.
III. Motor: The candidate must coordinate both gross and fine muscular movements, maintain equilibrium, and have functional use of the senses of touch and vision. The candidate must possess sufficient postural control, neuromuscular control, and eye-to-hand coordination to perform profession-specific skills and tasks.

IV. Conceptual, Integrative, and Quantitative Abilities: The candidate must be able to problem- solve, measure, calculate, reason, analyze, record, and synthesize large amounts of information in a timely manner. The candidate must be able to comprehend three- dimensional relationships and understand spatial relationships.
V. Behavioral and Social Attributes: The candidate must possess the emotional health required to utilize his/her intellectual abilities fully, the exercise of good judgment, the consistent, prompt completion of all responsibilities, and the development of mature, sensitive, and effective relationships. The candidate must tolerate physically, mentally, and emotionally taxing workloads and function effectively under stress. The candidate must be able to adapt to changing environments, display flexibility, and to learn to function in the face of uncertainties. Compassion, integrity, concern for others, effective interpersonal skills, willingness, and ability to function as an effective team player, and interest and motivation to learn are all personal qualities required during the educational process.

Students must attest to the ability to meet technical requirements. Any student seeking accommodation must follow Lincoln Memorial University's established process through the Department of Student Services. No accommodation is available for preclinical and clinical courses.

Post-baccalaureate Degree Entry
To qualify for entry via this pathway, students must possess a bachelor's degree from an accredited 4-year institution. Prerequisites and recommended courses align with those of previous pathways.

1. Complete the Associated American Dental Schools Application through ADEA (AADSA ADEA) and the LMU College of Dental Medicine Supplementary Application.
2. At a minimum, applicants must report both a science and a cumulative GPA over 3.00 (although over 3.33 will be generally competitively necessary) on a 4.00 scale and a plan leading to a bachelor's degree before matriculation. Minimum science and cumulative GPAs of 3.33 on a 4.00 scale are required.
3. Applicants must submit competitive scores on the Dental Aptitude Test (DAT). An Average Academic score of **19 or higher** and a Reading Comprehension score of 19 or higher is desired. The DAT must have been taken no more than three years before the application.
4. **Three** letters of recommendation are required. One must be from either a predental advisory committee or a science professor; the College of Dental Medicine prefers other letters to be written by either a dental or medical professional or someone who can attest to the applicant's integrity and ethical standards. Letters written by immediate family members will not be accepted. All letters of recommendation must be submitted directly to the school by those completing the letters. The Office of Admissions will not accept letters submitted by students.
5. Complete 60 observation/shadowing hours before entering the DMD program.
6. Applicants must demonstrate a genuine understanding of, and interest in, the humanitarian ethos of health care, particularly dental medicine.
7. Applicants should reflect a people and service orientation through community service or extracurricular activities.
8. Applicants should reflect proper motivation for and commitment to health care as demonstrated by previous salaried work, volunteer work, or other life experiences.
9. Applicants must possess the oral and written communication skills necessary to interact with patients and colleagues. Directions for the required essay submission will be provided before scheduling an interview.
10. Applicants must pass the Lincoln Memorial University College of Dental Medicine criminal background check.
11. Applicants must be drug-free, as evidenced through required drug-testing (completed upon offer of admission).
12. In addition to students' GPA and DAT scores, prospective students granted an interview would participate in a chalk/soap carving exercise. This exercise will take thirty-five minutes and the carvings evaluated by the Admissions Committee. These results will be used as an adjunct to the GPA and DAT in the selection process. Students must score a minimum of 7 out of 12 to be eligible for admissions to the College of Dental Medicine program.

Admissions criteria are weighted with an emphasis on academic performance will account for about 1/3 of the final score, which includes science GPAs, nonscience GPAs, cumulative GPAs, number of hours completed per semester or quarter, and institution(s) attended. The DAT scores and the chalk/soap carving exercise results will account for about 1/3 of the final score. Motivation, experience, recommendations, community service experience, and the interview evaluation will account for about 1/3 of the final score. The ranking formula, the weighting, and the scoring will be analyzed and reviewed before each admission cycle by the Admissions Committee (Applicant Ranking Plan).

Student Services - DMD

Documentation of Immunizations, Immunity, and Physical Health

Matriculating students are required to set up an account with an LMU-CDM contracted vendor who monitors, approves, and manages all required health forms and substantiating documentation. Applicants accepted for admission are required to submit medical history, physical examination, PPD testing and proof of immunity forms that have been completed, reviewed, and signed by a licensed health care provider (DO, MD, PA-C, FNP) prior to matriculation. Students without the required immunizations and proof of immunity will not be permitted to actively participate in patient care activities until the requirements have been completed and authorized by an LMU- CDM healthcare provider. Students must also provide proof of health insurance.

Documents that must be completed prior to matriculation include:

- LMU-CDM Prematriculation Medical History completed and signed by the student and reviewed/ signed by a healthcare provider
- LMU-CDM Prematriculation Physical Exam form, completed and signed by a licensed healthcare provider (DO, MD, PA-C, FNP)
- LMU-CDM Record of Immunity form, completed and signed by the licensed healthcare professional (Prematriculation Provider)
- Substantiating documentation (copies of laboratory results, immunization records, chart records of immunizations, PPD testing form or CXR report, etc.) must accompany the Record of Immunity Form for the student's folder to be considered complete
- Records Release Form signed by student authorizing LMU-CDM to release health related information to affiliated training sites where the student will be rotating

It is expected that this documentation will be provided by the matriculating student to the Admissions Office, along with other required admissions documents, by June 30 of the matriculating year, unless extenuating circumstances exist. The expense of immunizations and immunity titers is understood by LMU-CDM, and the possibility of non-immunity and the necessity for booster vaccination has been taken into account with the expectation that all files will be complete no later than the end of the first semester following matriculation. **Any student not making a good faith effort to complete their immunization record by this time will not be permitted to register for the second semester.**

During the second semester of the first, second, and third years, students will be expected to provide an updated PPD and urine drug screen as a requirement for beginning clinical rotations. **Any student not providing evidence of updated PPD and urine drug screen by June 30 will not be authorized to participate in the dental clinic until completed.**

Required prior to matriculation

- Proof of TdAp and polio vaccine
- Proof of meningococcal vaccine
- Negative PPD screening for tuberculosis (Yearly Requirement)
    - If prior history of tuberculosis, BCG vaccination, or positive PPD, must provide negative chest x-ray and/or negative QuantiFERON- TB Gold test within 6 months of matriculation
- Proof of initial vaccination in Hepatitis B series and Immunity
- Urine drug screen (10 panel testing) negative except for prescribed substances (Yearly Requirement)
- Proof of immunity against measles, mumps, and rubella
    - Qualitative or quantitative antibody titers for MMR
    - If any of the three components show insufficient immunity, a booster vaccination and recheck of titer 6 weeks later is required
- Proof of immunity against varicella
    - Qualitative or quantitative antibody titers for varicella
    - History of infection is not considered proof of immunity
    - If antibody titer is negative, booster vaccination and recheck of titer 6 weeks later is required

Required prior to starting clinical patient

- Proof of immunity against measles, mumps, and rubella, if not provided at matriculation
    - Qualitative or quantitative antibody titers for MMR
    - If any of the three components show insufficient immunity, a booster and recheck of titer 6 weeks later will be required
- Proof of immunity against varicella, if not provided at matriculation
    - Qualitative or quantitative antibody titers for varicella
    - History of infection is not considered proof of immunity
    - If antibody titer is negative, booster vaccination and recheck of titer 6 weeks later is required

- Proof of immunity against hepatitis B, if not provided at matriculation
    - Proof of completion of 3 injection series (takes 7 months to complete)
    - Qualitative or quantitative antibody titers showing immunity to Hepatitis B, ideally drawn 6-12 weeks after completion of 3 injection series
    - If antibody titers are negative 6-12 weeks following completion of Hepatitis B series, a second series of 3 injections needs to be completed, with antibody titers drawn 6-12 weeks following completion
    - If antibody titers are negative following second series of 3 injections (per protocol), and proof of completion of two full series of vaccinations is provided, student will be considered a "non-responder" to Hepatitis B immunization
- Negative PPD screening for tuberculosis within 6 months of starting rotations
    - If prior history of tuberculosis, BCG vaccination, or positive PPD, must provide negative chest x-ray and/or QuantiFERON-TB Gold test within 6 months of starting rotations
- Urine drug screen (10 panel testing) negative with the exception of prescribed medication

Note: Though proof of Hepatitis B immunity is not required until the start of rotations, if you have completed the Hepatitis B vaccination series, it is advisable to provide proof of immunity prior to matriculation.

Tuition & Fees - DMD

2022-2023 Tuition and Fees – DMD Program (Subject to Change)	
DMD Year 1	
Tuition	$69,500
Student Activity Fee	$150
Instrument, Loupes, and Supplies	$14,500
Comprehensive Fee – Knoxville	$310
Background Check, Drug Screening, and Vaccination Recording	$125
Cardiopulmonary Resuscitation	$75
Uniforms – Scrubs and Shoes	$275
Textbooks	$1650
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3175
DMD Year 2	
Tuition	$69,500
Student Activity Fee	$150
Instruments and Supplies	$3500
Comprehensive Fee – Knoxville	$310
Textbooks	$1000
Background Check, Drug Screening, and Vaccination Recording	$125
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3157
DMD Year 3	
Tuition	$69,500
Student Activity Fee	$150
Supplies	$3500
Comprehensive Fee – Knoxville	$310
Textbooks	$500
Background Check, Drug Screening, and Vaccination Recording	$125
Cardiopulmonary Resuscitation	$75
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3175
DMD Year 4	
Tuition	$69,500
Student Activity Fee	$150
Supplies	$3500
Comprehensive Fee – Knoxville	$310
Textbooks	$300
Background Check, Drug Screening, and Vaccination Recording	$125
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3175
Graduation Fee	$400
Integrated National Board Dental Examination	$845
ADEX Dental Examination	$2560
Initial Dental Licensure (TN)	$410
Miscellaneous	
Late Payment Fee	$100
Lost ID Badge	$10.00
Remediation Fee	$100.00
One Time Fee	
Acceptance/Matriculation Fee	$1250 (Non-Refundable)

Curriculum - DMD

The program is a full-time, continuous, 46-month cohort program consisting of 270.5/280.5 credit hours culminating in the receipt of the DMD degree. The curriculum includes

eleven consecutive semesters of academic and clinical education. The projected life of the program is ongoing but will admit only one cohort per year.

The competency-based curriculum design is based on the American Dental Education Association's (ADEA) Competencies for the New General Dentist. When achieved, it predicts with confidence that students have attained the knowledge; clinical, research, critical thinking, practice management, behavioral, and interpersonal skills; clinical experience; sound clinical judgment; professional and ethical behavior; and patient care training to provide comprehensive oral health care to diverse patients of all ages and conditions of physical, mental, and emotional health. The 39 competency statements address the following domains of competence: Critical Thinking, Professionalism, Communication, and Interpersonal Skills, Health Promotion, Practice Management and Informatics, Patient Care; Assessment, Diagnosis, and Treatment Planning, and Establishment and Maintenance of Oral Health.

The 39 competency statements for the “New General Dentist” are developed as the overarching goals for achievement, the courses, learning activities, clinical cases, skill development exercises and labs, behavioral training, and clinical training, and become an integrated whole during patient care delivery, by the competent general dentist. “Competency” assumes that all taught behaviors and skills are performed with a degree of quality consistent with patient well-being and that the general dentist can self-evaluate treatment effectiveness. In competency-based dental education, what the students learn is based upon clearly articulated competencies and further assumes that all behaviors/abilities are supported by foundation knowledge and psychomotor skills in the biomedical, behavioral, ethical, clinical dental science, and informatics areas that are essential for independent and unsupervised performance as an entry-level general dentist.

The curriculum was designed to ensure that learning experiences will lead to the development of these competencies. The curriculum is firmly rooted in evidence and largely modeled after Bruner's spiral curriculum approach. Content is introduced, emphasized, and reinforced with increasing levels of complexity, eventually leading to competency prior to graduation. Each time the content is re-visited, the student gains deeper knowledge of the topic and allows for the reinforcement of information over time, requiring the use of prior knowledge to inform future learning. By implementing this curriculum design, students are reminded that courses are not singular, nor does learning occur in silos. Each subsequent course or unit of work covered will build upon previous content. Faculty involved in teaching similar content in various years of the curriculum collaborate to develop student learning outcomes that reflect a progression from foundational knowledge to application, synthesis, and evaluation.

The curriculum design is divided into four categories: Biomedical/Basic Medical Sciences, Oral Health/Clinical Sciences, Behavioral Sciences, and Interprofessional Healthcare. Based on the topics presented, most courses will be taught with an integrated approach. During the D-1 year, the biomedical/basic medical science courses focus on the "Normal," how the body works optimally and is presented in a disciplined approach. In the Spring, MFMII begins the introduction into the pathology of disease. The D-2 year is about the "Abnormal" presented through traditional medical systems, with the idea of what happens when the normal systems go awry and result in the clinical manifestation of disease.

During the D-1 and D-2 years of student study in the Biomedical/Basic Medical Sciences, Behavioral Sciences, Interprofessional Healthcare, and Oral Health Science courses include didactic coursework. The faculty will most often utilize traditional assessment modalities, instruments, literature reviews, case studies, papers, and presentations to measure student learning and incremental competency successes.

In the Oral Health Sciences Courses, the laboratory/ preclinical component will be conducted in the technologically advanced simulation clinic. This allows students to begin to apply their knowledge and develop new clinical skills as they learn and demonstrate dental procedures for the faculty. To determine when new competencies have been achieved, the faculty will introduce simulated clinical examinations to assess student knowledge and skills and to demonstrate their growing competency as they progress to the clinical curriculum for their third and fourth years of study.

In the College of Dental Medicine's clinical curriculum, the Oral Health Science coursework in the D-1 and D-2 years evolves into Comprehensive Patient Care in the D- 3 and D-4 years. The College of Dental Medicine is committed to providing students with sufficient and diverse patient population and clinical experiences to attain clinical competency. The university will provide fully equipped, state-of-the-art dental clinics to enrich and enhance their learning. The College of Dental Medicine faculty will design a series of comprehensive clinical examinations and Clinical Competency Evaluations to assess student knowledge, behavioral characteristics, and clinical skills as well as other qualities and performance abilities to validate determinations of competency.

During the D-1 and D-2 years, six semesters consist of didactic courses delivered mostly in a lecture and team-based learning format. The oral health science courses have both didactic and laboratory/preclinic components. During the D-3 and D-4 years, the five semesters consist of 90 weeks (3040 hours) of full-time clinical experience with Comprehensive General Dentistry Seminars during the D-3 year and Advanced Topics in General Dentistry Seminars D-4 year.

Curriculum Digest - DMD

Degree Type

Doctor of Medicine in Dentistry

CDM I, Fall Semester

Item #	Title	Credits
DMDSYS-701	Medical Gross Anatomy	5.5
DMDSYS-711	Molecular Fund of Medicine I	6
DMDSYS-714	Medical Histology	4
DMD-700	Oral Histology and Embryology	0.5
DMD-701	Found Mod Oral Healthcare I	1.5
DMD-702	Oral Health Science	10
DMD-703	Community Outreach	0.5

CDM I, Spring Semester

Item #	Title	Credits
DMDSYS-712	Molecular Fund of Medicine II	7
DMDSYS-715	Medical Neuroanatomy	3.5
DMDSYS-716	Medical Physiology	7.5
DMDSYS-717	Medical Basic Pharmacology	4
DMD-704	Head and Neck Anatomy	4
DMD-705	Oral Hlth Sci w/Case Studies II	10
DMD-706	Found Mod Oral Hlthcare II	1.5
DMD-707	Interprofessional Educ I	0.5
DMD-708	Commun Outreach/Serv Lrng II	0.5

CDM I, Summer Semester

Item #	Title	Credits
DMD 709	Oral Health Science with Case Studies III	15
DMD 710	Community Outreach/Service-Learning III– Health Promotions	0.5
DMD 711	Evidence-Based Dentistry I	0.5
DMD 712	Interprofessional Education II – Roles and Responsibilities	0.5
DMD 713	Research Experience	10

CDM II, Fall Semester

Item #	Title	Credits
DMDSYS-724	Musculoskeletal System	4
DMDSYS-751	Hematology & Lymph	3
DMDSYS-753	Cardiovascular	5.5
DMDSYS-755	Renal	2.5
DMDSYS-757	Respiratory	3
DMD-714	Oral Pathology	3
DMD 715	Oral Health Science with Case Studies IV	15
DMD-716	Community Outreach/Service-Learning IV– Local and Global Health	0.5
DMD-717	Evidence-Based Dentistry II	0.5

CDM II, Spring Semester

Item #	Title	Credits
DMDSYS-762	Reproductive/Genital Urinary	5
DMDSYS-760	Endocrine	3
DMDSYS-764	Gastrointestinal	3
DMDSYS-768	Integument	2
DMD-718	Foundations of Modern Oral Healthcare III	2
DMD-719	Oral Health Science with Case Studies V	15
DMD-720	Interprofessional Education III – Communication	0.5
DMD-721	Community Outreach/Service-Learning V– Local and Global Health	0.5

CDM II, Summer Semester

Item #	Title	Credits
DMD-722	Treatment of Patients with Special Needs	2
DMD-723	Pain Management, Anxiety Control, and Medical Emergencies	3
DMD-724	Oral Health Science with Case Studies VI	15
DMD-725	Community Outreach/Service-Learning VI– Local and Global Health	0.5
DMD-726	Ethics, Jurisprudence, and Practice Management	1
DMD-727	Behavioral Dentistry I	0.5
DMD-728	Comprehensive Patient Care with Case Studies I	1
DMD-729	Interprofessional Education IV– Teams and Teamwork	0.5

CDM III, Fall Semester

Item #	Title	Credits
DMD-730	Comprehensive Patient Care with Case Studies II	14
DMD-731	Behavioral Dentistry II	0.5
DMD-732	Community Outreach/Service-Learning VII– School Districts	0.5
DMD-733	Comprehensive General Dentistry Seminar I	4
DMD-734	Grand Rounds I	0.5

CDM III, Spring Semester

Item #	Title	Credits
DMD-735	Comprehensive Patient Care with Case Studies III	14
DMD-736	Community Outreach/Service-Learning VIII– School Districts	0.5
DMD-737	Comprehensive General Dentistry Seminar II	4
DMD-738	Grand Rounds II	0.5

CDM III, Summer Semester

Item #	Title	Credits
DMD-739	Comprehensive Patient Care with Case Studies IV	14
DMD-740	Community Outreach/Service-Learning IX– School Districts	0.5
DMD-741	Behavioral Dentistry III	0.5
DMD-742	Comprehensive General Dentistry Seminar III	4
DMD-743	Grand Rounds III	0.5

CDM IV, Fall Semester

Item #	Title	Credits
DMD-744	Comprehensive Patient Care with Case Studies V	14
DMD-745	Community Outreach/Service-Learning X– Advanced Experiences in Community Health	0.5
DMD-746	Advanced Topics in Comprehensive General Dentistry I	4
DMD-747	Grand Rounds IV	0.5

CDM IV, Spring Semester

Item #	Title	Credits
DMD-748	Comprehensive Patient Care with Case Studies VI	14
DMD-749	Community Outreach/Service-Learning XI– Advanced Experiences in Community Health	0.5
DMD-750	Advanced Topics in Comprehensive General Dentistry I	4
DMD-751	Grand Rounds V	0.5
	Total Credits	**280.5**

Orientation - DMD

Orientation will be held the week before classes begin. A reception and meet and greet will be held the first day, with CPR, and orientation on the 2nd and 3rd day. The exact dates will be sent out in the welcome packet.

ASDH Program

Mission Statement - ASDH

The Mission of the LMU-DH Program is to develop competent oral health care providers who are committed to the premise that the cornerstone of meaningful existence is service to humanity.

THE MISSION OF THE LMU-DH PROGRAM IS ACHIEVED BY:

- Graduating competent Registered Dental Hygienists.
- Providing a values-based learning community as the context for teaching, research, patient care, and service.
- Improving the oral and general health of the people within the Appalachian region and beyond.
- Focusing on enhanced access to oral health care for underserved communities.
- Investing in quality academic programs supported by superior faculty and technology.
- Embracing compassionate, patient-centered, and person-centered oral health care values diversity, public service, and leadership as an enduring commitment to professionalism and the highest ethical standards.
- Facilitating the growth, development, and maintenance of graduate dental hygiene education.

LINCOLN MEMORIAL UNIVERSITY DENTAL HYGIENE PROGRAM GOALS

1. Provide dental hygiene students with a quality education that integrates evidence-based knowledge and skills in general education, biomedical science, dental science, dental hygiene science, and basic clinical education necessary to become competent dental hygiene practitioners.
2. Provide an environment that promotes and supports research and scholarly activity in education and oral health care.
3. Provide high quality, evidence-based, patient-centered care for our patients while improving access to oral health care in the region through the practice of our graduates.
4. Address the oral health needs and improve access to oral healthcare in the region through continuing dental hygiene education and community service efforts.

Program Overview - ASDH

LINCOLN MEMORIAL UNIVERSITY DENTAL HYGIENE PROGRAM GOALS

1. Provide dental hygiene students with a quality education that integrates evidence-based knowledge and skills in general education, biomedical science, dental science, dental hygiene science, and basic clinical education necessary to become competent dental hygiene practitioners.
2. Provide an environment that promotes and supports research and scholarly activity in education and oral health care.
3. Provide high quality, evidence-based, patient-centered care for our patients while improving access to oral health care in the region through the practice of our graduates.
4. Address the oral health needs and improve access to oral healthcare in the region through continuing dental hygiene education and community service efforts.

Admissions - ASDH

Application Procedures

Lincoln Memorial University operates on a semester system with terms beginning in August, January, and May. Actual class start dates throughout the academic year are available in the Admissions Department.

The Dental Hygiene program will begin each August, with the application deadline March 15 each year. The dental hygiene program has 16-week semesters for fall and spring, with summer consisting of 10-week.

Applications for undergraduate general admissions for programs offered at all locations can be completed at https://www.lmunet.edu/undergraduate-admissions/application-process

General admission to Lincoln Memorial University does not guarantee admission to specific programs. Please see the section of the catalog pertaining to the declared major for information relating to specific program acceptance. Programs may require additional applications when applying to the major.

Students Right To Know

To comply with federal regulations regarding the reporting of completion/graduation and transfer-out, Lincoln Memorial University annually prepares information regarding the completion/graduation rates within 150% of the normal tie to complete the program and the transfer-out rates of full-time, first-time students enrolled at the institution in the fall quarter who are pursuing certificate and degree programs at the institution. You may review this information in the Consumer Information section of the Lincoln Memorial University website.

Admissions Requirements by Pathway of Entry

Direct Freshman Entry

This pathway is appropriate for high school seniors applying to LMU who would like to complete their Associate of Science in Dental Hygiene in 3.0 years via the ASDH degree path. These students must meet the following criteria for undergraduate admissions:

Required Entrance Test(s):

For high school seniors, either the ACT or SAT to determine eligibility to take biology and chemistry courses. Students applying to the DHP must possess a cumulative high school GPA of 3.25 on a 4.0 scale. Minimum Score on Required Entrance Test(s): ACT of 22+

Students Must Satisfy the Following Requirements for Guaranteed Admissions:

High School Seniors:

- Complete the DH Application for Admissions.
- Initial Admissions Interview with CDM and DHP Admissions Committee (During Senior Year).
- 1,000-word essay – How you arrived at this career goal.
- Two letters of recommendation (from non-relatives) attesting to community service, leadership ability, character, and other skills.

- Minimum GPA for each Required Course: A C+ is the minimum grade needed for all required courses.

Required Technical Standards and Competencies for Program Admission:

- 30 documented observation/shadowing hours in a General Dentist's Office shadowing the Dental Hygienist.
- During the Spring before the last semester of prerequisites, the student will apply to LMU-DHP through the admission portal. The student will be required to complete the supplemental application and meet for a second interview with the LMU-DHP admissions committee.
- Applicants must pass the LMU-CDM Medicine criminal background check.
- Applicants must be drug-free, as evidenced through required drug-testing (completed upon offer of admission).

LMU-DHP Technical Standards for Admissions and Retention

Candidates for admission must have sufficient abilities and skills in five areas: I) Observation; II) Communication; III) Motor; IV) Conceptual, Integrative, and Quantitative; and V) Behavioral and Social. Technological compensation can be made for some limitations in certain areas, but candidates should perform in a reasonably independent manner (Technical Standards).

I. Observation: The candidate must be able to make observations at a distance and close at hand accurately. Observation necessitates the functional use of the sense of vision and somatic sensation and is enhanced by the functional use of all other senses.
II. Communication: The candidate must communicate effectively, efficiently, and sensitively in both oral and written forms and perceive nonverbal communication.
III. Motor: The candidate must coordinate both gross and fine muscular movements, maintain equilibrium, and have functional use of the senses of touch and vision. The candidate must possess sufficient postural control, neuromuscular control, and eye-to-hand coordination to perform profession-specific skills and tasks.
IV. Conceptual, Integrative, and Quantitative Abilities: The candidate must be able to problem-solve, measure, calculate, reason, analyze, record, and synthesize large amounts of information in a timely manner. The candidate must be able to comprehend three-dimensional relationships and understand spatial relationships.
V. Behavioral and Social Attributes: The candidate must possess the emotional health required to utilize his/her intellectual abilities fully, the exercise of good judgment, the consistent, prompt completion of all responsibilities, and the development of mature, sensitive, and effective relationships.The candidate must tolerate physically, mentally, and emotionally taxing workloads and function effectively under stress. The candidate must adapt to changing environments, display flexibility, and learn to function in the face of uncertainties. Compassion, integrity, concern for others, effective interpersonal skills, willingness, and ability to function as an effective team player, and interest and motivation to learn are all personal qualities required during the educational process.

Students must attest to the ability to meet technical requirements. Any student seeking accommodation must follow LMU's established process through the Department of Accessible Education Services. No accommodation is available for preclinical and clinical courses

Direct Entry to the DHP:

Students must have taken the seven prerequisite courses from an accredited institution to qualify for entry via this pathway. Prerequisites and recommended courses align with those of the previous path.

1. Complete the Dental Hygiene Application through the admissions portal.
2. At a minimum, science GPAs of 3.00 on a 4.00 scale are required. Applicants must report both a science and a cumulative GPA over 3.00 (although >3.25 will be generally competitive) on a 4.00 scale.
3. Two letters of recommendation are required. One must be from either a predental advisory committee or a science professor; the DHP prefers other letters to be written by either a dental or medical professional or someone who can attest to the applicant's integrity and ethical standards. Letters written by immediate family members will not be accepted. All letters of recommendation must be submitted directly to the School by those completing the letters. The Office of Admissions will not accept letters submitted by students.
4. Complete 30 documented observation/shadowing hours before entering the DHP
5. Applicants must demonstrate a genuine understanding of, and interest in, the humanitarian ethos of health care, particularly dental medicine.
6. Applicants should reflect a people and service orientation through community service or extracurricular activities.

7. Applicants should reflect proper motivation for and commitment to health care as demonstrated by previous salaried work, volunteer work, or other life experiences.
8. Applicants must possess the oral and written communication skills necessary to interact with patients and colleagues. Directions for the required essay submission will be provided before scheduling an interview.
9. Applicants must pass the LMU-CDM criminal background check.
10. Applicants must be drug-free, as evidenced through required drug-testing (completed upon offer of admission).

Admissions criteria are weighted with an emphasis on academic performance (approximately 3/4 of the final score), including science GPAs, non-science GPAs, cumulative GPAs, number of hours completed per semester or quarter, and institution(s) attended. Motivation, experience, recommendations, community service experience, and the interview evaluation (about 1/4 of the final score) also contribute to candidate rankings. The ranking formula, the weighting, and the scoring will be analyzed and reviewed before each admission cycle by the Admissions Committee (Applicant Ranking Plan).

Technical Standards for Admission

Candidates for admission must have sufficient abilities and skills in five areas: I) Observation; II) Communication; III) Motor; IV) Conceptual, Integrative, and Quantitative; and V) Behavioral and Social. Technological compensation can be made for some limitations in certain areas, but candidates should perform in a reasonably independent manner (Technical Standards).

I. Observation: The candidate must be able to make observations at a distance and close at hand accurately. Observation necessitates the functional use of the sense of vision and somatic sensation and is enhanced by the functional use of all other senses.
II. Communication: The candidate must communicate effectively, efficiently, and sensitively in both oral and written forms and perceive nonverbal communication.
III. Motor: The candidate must coordinate both gross and fine muscular movements, maintain equilibrium, and have functional use of the senses of touch and vision. The candidate must possess sufficient postural control, neuromuscular control, and eye-to-hand coordination to perform profession-specific skills and tasks.
IV. Conceptual, Integrative, and Quantitative Abilities: The candidate must be able to problem-solve, measure, calculate, reason, analyze, record, and synthesize large amounts of information in a timely manner. The candidate must be able to comprehend three-dimensional relationships and understand spatial relationships.
V. Behavioral and Social Attributes: The candidate must possess the emotional health required to utilize his/her intellectual abilities fully, the exercise of good judgment, the consistent, prompt completion of all responsibilities, and the development of mature, sensitive, and effective relationships. The candidate must tolerate physically, mentally, and emotionally taxing workloads and function effectively under stress. The candidate must adapt to changing environments, display flexibility, and learn to function in the face of uncertainties. Compassion, integrity, concern for others, effective interpersonal skills, willingness, and ability to function as an effective team player, and interest and motivation to learn are all personal qualities required during the educational process.

Students must attest to the ability to meet technical requirements. Any student seeking accommodation must follow LMU's established process through the Department of Accessible Education Services.

Acceptance into a Lincoln Memorial University Dental Hygiene Program does not imply or guarantee that a student will be able to obtain licensure, certification, or employment. Several Lincoln Memorial University programs require field experiences during the curriculum (e.g., clinicals, internships, practicums, student teaching) and/or lead to a field that requires a license or certification. Background checks are required prior to matriculation into these programs and may further be required prior to the field experiences and/or licensure/certification. Students should be aware that a prior misdemeanor or felony arrest or conviction (or an event of this nature occurring during the program) may restrict the individual's ability to gain admission into the program, progress into field experiential training, and/or obtain professional licensure or certification. It is the responsibility of the student to inform the program of any issues that may have occurred in the past or that arise during the program. The events may require voluntary withdrawal or administrative dismissal from the program. All students are responsible for learning the requirements for licensure within their home state or any state in which he/she wishes to practice ensuring ability to meet these requirements.

Admission Of Transfer Students

Regular Transfer Admission- LMU meets the needs of community college students in the Appalachian Region by

providing transference of credit. Overseen by the Director of Community College Relations and the Office of Undergraduate Admissions, LMU's transfer policies are proactive in assuring that students have all the information necessary to make informed transfer decisions.

Regular Transfer Admission status is granted if a student has a cumulative GPA of 2.4 or higher on all previous college level work. Students with a cumulative GPA of less than 2.4 on previously attempted college- level work earned within the past five years must be reviewed by the Undergraduate Admissions Committee.

Students going before the Undergraduate Admissions Committee may be required to participate in the University's academic support and tutoring programs, may receive the recommendation to send more information, or may be denied admission to the University.

Transfer admission students who have completed fifteen (15) or more semester credit hours of potentially transferable seated, college-level course work at an accredited/approved college or university will be considered for regular transfer admission.

Students having completed fewer than fifteen (15) semester credit hours are subject to the Regular Admission criteria and procedures applicable to freshman admissions (see above). Transfer student applicants must submit the following:

- The online Application for Admission
- Official transcripts from all colleges and universities attended (sent directly from the institution)
- If fewer than fifteen (15) semester credit hours of college level course work have been completed, an official high school transcript must be submitted, along with official ACT/SAT test scores.

For more detail regarding Lincoln Memorial University policies regarding transfer credit, see the *Lincoln Memorial University Undergraduate Catalog* section entitled, "Transfer Credits from Other Institutions."

The college reserves the right to reject any or all credits from other institutions regardless of their accreditation status. The college reserves the right to refuse transfer credit for courses if the student's subsequent grades in required courses in the same subject fall below a 2.0 average.

Tuition and Fees - ASDH

2023-2024 Tuition and Fees – DH Program (Subject to Change)	
DH Year 1	
Tuition	$12,360 per semester
Student Activity Fee	$150
Instruments, Loupes, and Supplies	$5200
Comprehensive Fee – Knoxville	$310
Textbooks	$1650
Background Check, Drug Screening, and Vaccination Recording	$125
Cardiopulmonary Resuscitation	$75
Uniforms – Scrubs and Shoes	$275
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3175
DH Year 2	
Tuition	$12,360 per semester
Student Activity Fee	$150
Comprehensive Fee – Knoxville	$310
Textbooks	$1650
Graduation Fee	$400
Background Check, Drug Screening, and Vaccination Recording	$125
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3157
National Board Dental Hygiene Examination	$565
ADEX Dental Hygiene Examination	$1075
Initial Dental Licensure Tennessee	$125
Late Payment Fee	$100
Lost ID Badge	$10
Remediation Fee	$100
One Time Fee	
Acceptance/Matriculation Fee	$1250 (Non-Refundable)

Curriculum Digest - ASDH, Direct Admit from High School

Degree Type
Dental Hygiene

General Education and Prerequisites, Fall

Item #	Title	Credits
BIOL-261	Human Anatomy and Physiology I	4
ISYS-100	Computer Literacy	2
ENG 101	Composition	3
SOCI-100	Introduction to Sociology	3
MATH 105	College Level Math	3
LNCN-100	Lincoln's Life and Legacy	1
UACT-100	Strategies for College Success	1

General Education and Prerequisites, Spring

Item #	Title	Credits
ENG-102	Composition II	3
BIOL-230	Microbiology	4
COMM-200	Speech Communications	3
PSYC-100	Introduction to Psychology	3
CHEM-100	Introduction to Chemistry	4

DH-1, Fall - 20 Weeks

Item #	Title	Credits
DH-200	Clinical Theory I - Lec/Lab	5.2
DH-201	Embryology, Histology, & Dental Anatomy	3
DH-202	Head and Neck Anatomy	2
DH-203	Dental Radiology	3

DH-1, Spring - 20 Weeks

Item #	Title	Credits
DH-250	Clinic Theory II - Lec/Lab	5.8
DH-251	General and Oral Pathology	2
DH-252	Periodontology	2
DH-253	Pharmacology	2
DH-254	Pain, Anxiety, Medical Emergencies	4

DH-2, Summer - 10 Weeks

Item #	Title	Credits
DH-300	Clinic Theory III - Lec/Lab	6
DH-301	Dental Materials	3
DH-302	Treatment of Patients With Special Needs	3

DH-2, Fall Semester - 20 Weeks

Item #	Title	Credits
DH-350	Clinic Theory IV - Lec/Lab	6.4
DH-351	Commun Outreach, Service Learn	3
DH-352	Ethics, Jurisprudence, and Practice Management	3

DH-2, Spring Semester - 20 Weeks

Item #	Title	Credits
DH-360	Clinic Theory V - Lec/Lab	9
DH-361	Dental Hygiene Board Review	3
	Total Credits	**99.4**

Curriculum Digest - ASDH, Direct Admissions to DH with 7 Prerequisites

Degree Type

Dental Hygiene

Associate of Science in Dental Hygiene Prerequisites

Item #	Title	Credits
BIOL-261	Human Anatomy and Physiology I	4
BIOL-230	Microbiology	4
ENG 101	Composition	3
PSYC-100	Introduction to Psychology	3
MATH 105	College Level Math	3
CHEM-100	Introduction to Chemistry	4
SOCI-100	Introduction to Sociology	3

DH-1, Fall - 20 Weeks

Item #	Title	Credits
DH-200	Clinical Theory I - Lec/Lab	5.2
DH-201	Embryology, Histology, & Dental Anatomy	3
DH-202	Head and Neck Anatomy	2
DH-203	Dental Radiology	3
ISYS-100	Computer Literacy	2

DH-1, Spring - 20 Weeks

Item #	Title	Credits
DH-250	Clinic Theory II - Lec/Lab	5.8
DH-251	General and Oral Pathology	2
DH-252	Periodontology	2
DH-253	Pharmacology	2
DH-254	Pain, Anxiety, Medical Emergencies	4
LNCN-100	Lincoln's Life and Legacy	1

DH-2, Summer - 10 Weeks

Item #	Title	Credits
DH-300	Clinic Theory III - Lec/Lab	6
DH-301	Dental Materials	3
DH-302	Treatment of Patients With Special Needs	3

DH-2, Fall Semester - 20 Weeks

Item #	Title	Credits
DH-350	Clinic Theory IV - Lec/Lab	6.4
DH-351	Commun Outreach, Service Learn	3
DH-352	Ethics, Jurisprudence, and Practice Management	3
COMM-200	Speech Communications	3

DH-2, Spring Semester - 20 Weeks

Item #	Title	Credits
DH-360	Clinic Theory V - Lec/Lab	9
DH-361	Dental Hygiene Board Review	3
ENG-102	Composition II	3
	Total Credits	**98.4**

Orientation - ASDH

Orientation for new students will be the 3 days before classes begin. With CPR training happening during the orientation.

MSFD Program

Mission - MSFD

The mission of the Lincoln Memorial University Master of Dental Science, Forensic Odontology is to develop competent forensic dentists to serve communities, agencies and jurisdictions nationally and internationally.

The Mission is achieved by:

1. Graduating competent Master of Science, Forensic Dentistry doctors.
2. Providing forensic dental education, training, research and service to the Appalachian region and beyond.
3. Improving the availability and quality of forensic dental services provided nationally and internationally.
4. Investing in quality academic programs supported by superior faculty and technology.
5. Promote public service and commitment to professionalism and ethical standards.
6. Facilitate the growth, development, and maintenance of forensic dental education.

Goals - MSFD

Domains:

1. Teaching, Training and Didactic Excellence
2. Forensic Services
3. Research
4. Clandestine Grave & Crimes Scene Recovery of Dental Evidence

1. Education, Training, and Didactic Excellence: Provide the postdoctoral students with a quality education integrating scientific-based knowledge and skills in the forensic sciences necessary to become competent
2. forensic dental practitioners.
3. Forensic Services: Provide comprehensive dental and anthropological services to the Knox County (Tennessee) Regional Forensic Center (Knoxville) and outside individuals, organizations, and agencies upon request.
4. Research: Provide an environment that promotes and supports scholarly activity in forensic research.
5. Clandestine Grave & Crime Scene Recovery of Dental Evidence: To expose and educate the forensic dentist how the anthropologist analyzes decomposed and skeletal and dental remains in clandestine and crime scene situations. Special training involves discovery and archaeological excavation of skeletal and dental remains followed by laboratory interpretation of perimortem ballistic, blunt and sharp-force injury.

Program Overview - MSFD

The program is a full-time, continuous, 24-month cohort program consisting of 36 credit hours culminating in the MSFD degree. The curriculum includes 4 consecutive semesters of academic education and research. The projected life of the program is ongoing, and the program will admit one cohort per year.

The competency-based curriculum design is based on the American Board of Forensic Odontology's standards and guidelines; and qualifications and requirements for Board Certification. It provides the didactic education, hands-on training, practical experience, and report writing skills in all disciplines within the forensic dentistry field required to competently assist and pursue careers within the medio-legal system.

Admission Requirements - MSFD

DDS, DMD, or similar International Degree

Application Procedures

The Master of Science in Forensic Dentistry program is a 24 month, 36 credit hour program, which will begin each

August, with the application deadline March 15 each year. The Master of Science in Forensic Dentistry program has 16-week semesters for fall and spring

The application can be found at https://www.lmunet.edu/college-of-dental-medicine/forensic-education/master-of-science-in-forensic-dentistry.

Program Fees - MSFD

Type	Amount
Tuition	$12,500 per Semester
Student Activity Fee	$150
Comprehensive Fee – Knoxville	$310
Textbooks	$1000
Background Check, Drug Screening, and Vaccination Recording	$125
Mandatory Health Insurance (Can be waived with proof of Insurance)	$3175
One Time Fee	
Acceptance/Matriculation Fee	$500 (Non-Refundable)

*A $500 deposit fee will be due within 30 days of receiving the offer letter. The date will be clearly written on this letter also.

Veterans - MSFD

In accordance with the Veterans Benefits and Transition Act of 2018, Section 367(e) of title 38 (Public Law 115-407), a student who is entitled to educational assistance under Chapter 31, Vocational Rehabilitation & Employment, or Chapter 33, Post 9/11 GI Bill® *benefits shall be permitted to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a Certificate of Eligibility for entitlement to educational assistance under Chapter 31 or 33 (a Certificate of Eligibility can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs website- eBenefits, or a VAF 28-1905 form for Chapter 31) and ending on the earlier of the following dates:

1. The date on which payment from the VA is made to the institution.
2. 90 days after the date the institution certified tuition and fees following receipt of the Certificate of Eligibility.

The university shall not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or require the student to borrow additional funds, in order to meet his or her financial obligations to the institution due to the delayed disbursement funding form VA under Chapter 31 or 33.

Beginning with the terms starting after December17, 2021, students using their Post 9/11 GI Bill will be required to verify their enrollment at the end of each month. Students receiving the Montgomery GI Bill will not be impacted by this change. They are already required to verify their enrollment.

After December 17, 2021, all impacted students with a US mobile phone number on file with the VA will receive an opt-in text as their next enrollment period approaches. Students who do not have a mobile phone number on file will not be able to use text verify. They will be automatically enrolled into email verification.

* GI Bill is a registered trademark of the US Department of Veteran Affairs.

Curriculum Digest - MSFD

Degree Type
Master of Science in Forensic Dentistry

Year 1

Fall Semester

Item #	Title	Credits
F DENT 801	Introduction to Forensic Science	2
F DENT 802	Clinical Head & Neck Anatomy	3
F DENT 803	Radiology	2
F DENT 807	Statistics	3

Spring Semester

Item #	Title	Credits
F DENT 804	Forensics Research Methods	2
F DENT 805	Forensic Science Journal Club	1
F DENT 806	Forensic Odontology I	3
F DENT 808	Dental Ethics	1
F DENT 809	Dental Specialties Review	2
F DENT 810	Research and Manuscript I	1

Year 2

Fall Semester

Item #	Title	Credits
F DENT 811	Statistics for Research	3
F DENT 812	Forensic Odontology II	3
F DENT 813	Forensic Science II	3
F DENT 814	Research and Manuscript II	1

Spring Semester

Item #	Title	Credits
F DENT 815	Research and Manuscript III	6
	Total Credits	**36**

Academic Calendar

College of Dental Medicine Academic Calendar 2023-2024

Doctor of Medicine in Dentistry Program **Class of 2026**		**Associate of Science in Dental Hygiene**	
Fall Semester 2023		**Fall Semester 2023**	
Classes Begin	August 21st	Classes Begin	August 16
Labor Day	September 4	Labor Day	September 4
Fall Break	October 19-21	Fall Break	October 19-21
Thanksgiving Break	November 23-24	Thanksgiving Break	November 23-24
End of Semester	December 15	End of Semester	December 8
Spring Semester 2024		**Spring Semester 2024**	
Classes Begin	January 2	Classes Begin	January 8
Martin Luther King (No Classes)	January 15	Martin Luther King (No Classes)	January 15
Spring Break	March 18-22	Spring Break	March 18-22
Good Friday	March 29	Good Friday	March 29
End of Semester	May 14	End of Semester	May 9
Summer Semester 2024		**Summer Semester 2024**	
Classes Begin	May 24	Classes Start	May 13
Memorial Day (no class)	May 27	Memorial Day (no class)	May 27
Independence Day (no class)	July 4	Independence Day (no class)	July 4
End of Semester	July 30	End of Semester	July 30

Doctor of Medicine in Dentistry Program **Class of 2027**		**Master of Science in Forensic Dentistry**	
Fall Semester 2023		**Fall Semester 2023**	
Classes Begin	August 1st	Classes Begin	August 1
Labor Day	September 4	Labor Day	September 4
Fall Break	October 19-21	Fall Break	October 19-21
Thanksgiving Break	November 23-24	Thanksgiving Break	November 23-24
End of Semester	December 15	End of Semester	December 15
Spring Semester 2024		**Spring Semester 2024**	
Classes Begin	January 2	Classes Begin	January 2
Martin Luther King (No Classes)	January 15	Martin Luther King (No Classes)	January 15
Spring Break	March 18-22	Spring Break	March 18-22
Good Friday	March 29	Good Friday	March 29
End of Semester	May 14	End of Semester	May 14
Summer Semester 2024		**Summer Semester 2024**	
Classes Begin	May 24	Classes Begin	May 24
Memorial Day (no class)	May 27	Memorial Day (no class)	May 27
Independence Day (no class)	July 4	Independence Day (no class)	July 4
End of Semester	July 30	End of Semester	July 30

Courses

Dental Hygiene

DH-200 : Clinical Theory I - Lec/Lab

This course introduces the dental hygiene student to clinical dental hygiene practice. It provides a historical overview of dentistry and dental careers, ethical principles, the science behind disease transmission, instrument sterilization, and infection control procedures. Ergonomics, communication skills, and preliminary patient assessment tools, including vital signs, are covered. The dental hygiene process of care, basic instrumentation, extrinsic stain removal, and fluoride application will be covered in the simulation laboratory.
Credits 5.2

DH-201 : Embryology, Histology, & Dental Anatomy

This course will introduce the dental hygiene student to the form, function, and comparative anatomy of primary and permanent teeth, tooth numbering, and dentition periods. Embryologic development of the face, neck, orofacial structures, and teeth. And the histologic study of the gingiva, oral mucosa, and attachment apparatus.
Credits 3

DH-202 : Head and Neck Anatomy

This course is designed to provide dental hygiene students with the anatomical foundation of dental hygiene and study regional and systemic anatomy. Presented through didactic, case-based learning, and experiential learning pedagogy, this course focuses on conceptual anatomy, demonstrating the dental significance of anatomical structures including the skull, face, oral cavity, and cranial cavity are critical to the practice of dental hygiene.
Credits 2

DH-203 : Dental Radiology

This course introduces dental hygiene students to the science of radiography and safety techniques for the operator and patient, intraoral and extraoral radiographic techniques, interpretation, and identification of pathological processes. Students will be acquiring radiographs on the simulation manikin and transition to live patient experiences during the lab portion of the course.
Credits 3

DH-250 : Clinic Theory II - Lec/Lab

This course is a continuation of Clinic Theory I. In the lab, simulation exercises will provide practice exercises for assessment and instrumentation techniques. Students will begin the application of dental hygiene theory to responsible patient-centered dental hygiene care.
Credits 5.8

DH-251 : General and Oral Pathology

This course has been designed to integrate oral pathology and general pathology. Students will study principles of general pathology with emphasis on the relationships to oral diseases. Pathologic physiology includes tissue regeneration, the inflammatory process, immunology, and wound healing. Clinical appearance, etiology, location, and treatment options of general system diseases is presented, along with the oral manifestations. Special attention will be placed on the oral cavity's common pathological conditions and early recognition of these conditions.
Credits 2

DH-252 : Periodontology

This course introduces students to the identification, treatment, and prevention of pathological conditions that affect the periodontium. Includes assessment, diagnosis, and initial treatment of periodontal disease. Emphasis will be placed on anatomy and histology of normal periodontal tissues, etiology of periodontal diseases, and resulting tissue changes. Classification of Periodontal Disease will be discussed in depth.
Credits 2

DH-253 : Pharmacology

This course introduces the student to classes of drugs and their uses, actions, interactions, side effects, contraindications, systemic and oral manifestations, emphasizing dental application. Students will learn the dosages of commonly prescribed medications in dentistry and prescription writing.
Credits 2

DH-254 : Pain, Anxiety, Medical Emergencies

This course provides student hygienists with the anatomy, medical considerations, pharmacology, needle safety, preparation, procedures, complications, documentation, and the legal considerations of delivering local anesthesia and nitrous oxide sedation. Students will administer local anesthesia, administer and monitor nitrous oxide sedation, and manage simulated medical emergencies in the laboratory. Completing this course satisfies the State of Tennessee Board of Dentistry requirements for licensure in administering local anesthesia and administering and monitoring of nitrous oxide.
Credits 4

DH-300 : Clinic Theory III - Lec/Lab

This course is a continuation of Clinical Theory II. Through patient care experiences, students will review and assess medical histories, take and recording vital signs, perform intraoral and extraoral exams, assess periodontal health, treatment planning, provision of routine prophylaxis and scaling and root planing, and remove calculus and stain, oral hygiene instruction, the use of preventative agents and adjuncts to homecare. Students will understand the biochemistry of nutrition, the effect of nutrition on oral cavity disease processes, and systemic health. Tobacco cessation will be discussed in depth.
Credits 6

DH-301 : Dental Materials

This course presents the fundamentals of dental materials used in dental hygiene, including laboratory techniques, procedures, advantages, and disadvantages. The properties of dental materials are covered, including prophy paste, fluoride gel, fluoride varnish, cements, bleaching gels, bleaching trays, occlusal guards, and sealants. Labs will cover mixing techniques, applications, and uses of different dental materials.
Credits 3

DH-302 : Treatment of Patients With Special Needs

This course focuses on the unique dental and medical needs of pediatric, adult, and geriatric patients with special needs and limitations. Student dental hygienists will develop the knowledge and skills required to provide oral health care to this population. They will understand the complexities and limitations, management techniques, and the dental hygienist's role in delivering oral healthcare while managing patients with mental or physical disabilities and those medically compromised.
Credits 3

DH-350 : Clinic Theory IV - Lec/Lab

This course is a continuation of Clinic Theory III. Through patient-care experiences, students will continue developing communication and critical thinking skills, treatment planning, patient-centered care, time management, and treatment outcome evaluation skills to achieve competence.
Credits 6.4

DH-351 : Commun Outreach, Service Learn

This course focuses on the importance of community oral health and its impact on the population. It correlates oral health as an entity of one's overall health as illuminated in The Healthy People initiative adopted by the Federal Government. The dental hygiene student will be able to identify career options for a dental hygienist in community health and promote disease prevention. Students will develop and implement a community health outreach event at the College of Dental Medicine for the community.
Credits 3

DH-352 : Ethics, Jurisprudence, and Practice Management

This course introduces the student dental hygienis
Credits 3

DH-360 : Clinic Theory V - Lec/Lab

This course is a continuation of Clinic Theory IV. Through patient-care experiences, students will continue developing communication and critical thinking skills, treatment planning, patient-centered care, time management, and treatment outcome evaluation skills to achieve competence.
Credits 9

DH-361 : Dental Hygiene Board Review

This course helps dental hygiene students prepare for the National Board Dental Hygiene Examination and the ADEX Dental Hygiene Examination. Course content will include a comprehensive review of dental hygiene curriculum content, computer-simulated clinical examination (case studies), and patient treatment clinical examination (mock board exam).
Credits 3

Doctor of Med in Dentistry

DMD-700 : Oral Histology and Embryology

This course establishes the foundation of normal oral histology, embryology, and the surrounding extraoral and intraoral structures. Topics include the embryologic development and related histology of the orofacial structures, which is a fundamental element in the oral health science and provides the background for Oral Pathology, Operative Dentistry, Endodontics, and Periodontics.
Credits 0.5

DMD-701 : Found Mod Oral Healthcare I

This course will introduce students to the structure and function of the healthcare system. The course will also lay the groundwork in establishing the student as a lifelong learner who will uphold the professional and ethical standards of the Doctor of Medicine in Dentistry
Credits 1.5

DMD-702 : Oral Health Science

This course is continuous, throughout the D1 and D2 year (I - VI) with integrated didactic and laboratory components to take the student from dental materials, dental morphology and occlusion, basic through advanced clinical dentistry including radiology, oral medicine, nutrition, periodontics, rotary endodontics, cariology, operative dentistry, fixed prosthodontics including CAD/CAM and implant dentistry, removable prosthodontics, oral surgery including temporomandibular function and dysfunction, pediatric dentistry, and orthodontics including Invisalign while utilizing case-studies and an evidence-based approach to simulate patient cases and treatment. Students will participate in simulated clinical competency evaluations, including radiographic interpretation and diagnosis, oral health sciences, oral medicine, and treatment planning while developing the psychomotor skills necessary to practice Comprehensive General Dentistry.
Credits 10

DMD-703 : Community Outreach

This course is continuous throughout the D1, D2, D3, and D4 year (I - XI) and involves community service-learning theory and practice. Courses I - III focus on Health Promotion. Through Remote Area Medical, the Health Wagon, and Smile TN, students' partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service-learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.
Credits 0.5

DMD-704 : Head and Neck Anatomy

This course is designed to provide dental students with the anatomical foundation of dentistry and entails the study of regional and systemic anatomy. Presented through didactic, case-based learning, and experiential learning pedagogy, this course focuses on conceptual anatomy, demonstrating the dental significance of anatomical structures including the skull, face, oral cavity, and cranial cavity are critical to the practice of dentistry.
Credits 4

DMD-705 : Oral Hlth Sci w/Case Studies II

This course is continuous, throughout the D1 and D2 year (I - VI) with integrated didactic and laboratory components to take the student from dental materials, dental morphology and occlusion, basic through advanced clinical dentistry including radiology, oral medicine, nutrition, periodontics, rotary endodontics, cariology, operative dentistry, fixed prosthodontics including CAD/CAM and implant dentistry, removable prosthodontics, oral surgery including temporomandibular function and dysfunction, pediatric dentistry, and orthodontics including Invisalign while utilizing case-studies and an evidence-based approach to simulate patient cases and treatment. Students will participate in simulated clinical competency evaluations, including radiographic interpretation and diagnosis, oral health sciences, oral medicine, and treatment planning while developing the psychomotor skills necessary to practice Comprehensive General Dentistry.
Credits 10

DMD-706 : Found Mod Oral Hlthcare II

This course will introduce students to the structure and function of the healthcare system, including topics in health policy, professionalism, research, and the dentist-patient relationships. These areas are topics such as epidemiology and population health, interprofessional education, evidence-based dentistry, research ethics, and public health and disease surveillance. The course will include introducing the importance of standard precaution and disease prevention, along with topics in global health and the epidemiology of infectious diseases.
Credits 1.5

DMD-707 : Interprofessional Educ I

This course introduces the student dentist to activities that offer knowledge-based information, focused on describing roles and responsibilities, and demonstrates awareness of interprofessional communication and teamwork required across the health profession. Concentrating on the interprofessional team dynamics as they relate to individual team members' values and the impact on team functioning in ethical dilemmas.
Credits 0.5

DMD-708 : Commun Outreach/Serv Lrng II

This course is continuous throughout the D1, D2, D3, and D4 year (I - XI) and involves community service-learning theory and practice. Courses I - III focus on Health Promotion. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service-learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.
Credits 0.5

DMD-714 : Oral Pathology

This course focuses on the identification and differential diagnosis of the oral pathology lesions most encountered in general dental practice and their management. Emphasis is placed on the pathology of the oral mucosa, dental tissues, and related structures. Student dentists learn about the pathogenesis, etiology, histopathological features, and diagnostic methods of a range of lesions of the teeth, oral mucosa, and jawbones, including developmental anomalies, caries, pulp, periapical, and periodontal diseases. Additionally, cystic lesions that affect the jaws and perioral soft tissues will be discussed, along with oral connective tissue lesions and epithelial lesions, most importantly, squamous cell carcinoma.
Credits 3

DMD-716 : Community Outreach/Service-Learning IV–Local and Global Health

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses IV-VI focuses on Local and Global Health. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service- learning. Students will have an opportunity to participate in humanitarian mission trips to Uganda and Belize to provide dental care to the underserved. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.
Credits 0.5

DMD-717 : Evidence-Based Dentistry II

Evidence-based dentistry (EDB) is the major theme for all courses within the dental medicine curriculum and contemporary comprehensive dental practice. This course discusses the integration of the dentist's clinical expertise, the patient's needs and preferences, and the most current, clinically relevant evidence as to the three-part decision-making process for patient care.
Credits 0.5

DMD-718 : Foundations of Modern Oral Healthcare III

This course will introduce students to the structure and function of the healthcare system. The course will also lay the groundwork in establishing the student as a lifelong learner that upholds the professional and ethical standards of the dentist while exposing the students to diverse populations. This will include topics in health policy, professionalism, research, and dentist-patient relationships. Included in these areas are topics such as health care organization, dental service organizations, insurance, interprofessional education, evidence-based dentistry, ethics, and malpractice. The course will include the introduction of key principles and methods of biostatistics and epidemiology that are important for the understanding of published studies.
Credits 2

DMD-719 : Oral Health Science with Case Studies V

This course is continuous throughout the D-1 and D-2 year (I – VI) with integrated didactic and laboratory components to take the student from dental materials, dental morphology and occlusion, basic through advanced clinical dentistry including radiology, oral medicine, nutrition, periodontics, rotary endodontics, cariology, operative dentistry, fixed prosthodontics including CAD/CAM and implant dentistry, removable prosthodontics, oral surgery including temporomandibular function and dysfunction, pediatric dentistry, and orthodontics including Invisalign while utilizing case-studies and an evidence-based approach to simulate patient cases and treatment. Students will participate in simulated clinical competency evaluations, including radiographic interpretation and diagnosis, oral health sciences, oral medicine, and treatment planning, while developing the psychomotor skills necessary to practice Comprehensive General Dentistry.

Credits 15

DMD-720 : Interprofessional Education III – Communication

This course is a continuation of Interprofessional Education II and introduces the student dentist to activities that offer knowledge-based information, focused on describing role and responsibilities, and demonstrates awareness of interprofessional communication and teamwork required across the health profession—focusing on the recognition and understanding of how one's uniqueness, including power and hierarchy within the IP team, contributes to communication effectiveness.

Credits 0.5

DMD-721 : Community Outreach/Service-Learning V– Local and Global Health

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses IV-VI focuses on Local and Global Health. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service- learning. Students will have an opportunity to participate in humanitarian mission trips to Uganda and Belize to provide dental care to the underserved. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.

Credits 0.5

DMD-722 : Treatment of Patients with Special Needs

This course focuses on the unique dental and medical needs of pediatric, adult, and geriatric patients with special needs and limitations. Student dentists will develop the knowledge and skills required to provide comprehensive oral health care to this population. They will gain an understanding of the complexities and limitations, management techniques, and the role so the dentist in comprehensive oral healthcare while managing patients with mental or physical disabilities and those medically compromised.

Credits 2

DMD-723 : Pain Management, Anxiety Control, and Medical Emergencies

This course provides student dentists with the anatomy, medical considerations, pharmacology, techniques, and complications of local anesthesia in dental practice. Additional topics include the administration of nitrous oxide, oral, IM, IV, and conscious sedation, general anesthesia, along with the management of medical emergencies likely to be seen in the dental office. Students will learn how to administer local anesthesia efficiently and effectively for patient treatment

Credits 3

DMD-724 : Oral Health Science with Case Studies VI

This course is continuous throughout the D-1 and D-2 year (I – VI) with integrated didactic and laboratory components to take the student from dental materials, dental morphology and occlusion, basic through advanced clinical dentistry including radiology, oral medicine, nutrition, periodontics, rotary endodontics, cariology, operative dentistry, fixed prosthodontics including CAD/CAM and implant dentistry, removable prosthodontics, oral surgery including temporomandibular function and dysfunction, pediatric dentistry, and orthodontics including Invisalign while utilizing case-studies and an evidence-based approach to simulate patient cases and treatment. Students will participate in simulated clinical competency evaluations, including radiographic interpretation and diagnosis, oral health sciences, oral medicine, and treatment planning, while developing the psychomotor skills necessary to practice Comprehensive General Dentistry.

Credits 15

DMD-725 : Community Outreach/Service-Learning VI– Local and Global Health

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses IV-VI focuses on Local and Global Health. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service- learning. Students will have an opportunity to participate in humanitarian mission trips to Uganda and Belize to provide dental care to the underserved. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.

Credits 0.5

DMD-726 : Ethics, Jurisprudence, and Practice Management

This course introduces the student dentist to the ethical and legal issues related to the practice of dentistry. Case studies are presented to determine the principles of dental ethics and jurisprudence. Review and interpretation of the Tennessee Dental Practice Act and licensure requirements are reviewed. The student dentist will be introduced to practice management, employment issues, dental office procedures, career opportunities, resume building, and effective communication as a member of the oral healthcare team.

Credits 1

DMD-727 : Behavioral Dentistry I

This course introduces the student dentist to the role of behavioral science in the study and practice of dentistry. It provides the student with an understanding of human behavior and its effects on dental treatment. Emphasis is placed on the psychobiology of inflammation and pain, oral health and quality of life, saliva health, and hypnosis in dentistry.

Credits 0.5

DMD-728 : Comprehensive Patient Care with Case Studies I

This course is continuous throughout the D-3 and D-4 years (I – VI). Student dentists learn comprehensive patient-centered oral health care and develop clinical competency required to enter the general practice of dentistry. Student dentists will provide patient care under the supervision, guidance, and support of faculty and will enhance their diagnostic, technical, and interpersonal skills. This courses emphasize the importance of these skills in effective, efficient, and compassionate patient care and guide the students towards independent practice by evaluating competence in the delivery of specific services, providing high-quality, comprehensive care to all patients, maintaining professionalism in the delivery of care, accurately self-evaluating one's clinical performance, and practicing efficiently and profitably. Case studies include topics in evidence-based, comprehensive general dentistry, advanced radiological interpretation and diagnosis, implantology, laser dentistry, CAD/CAM dentistry, occlusion, obstructive sleep apnea, temporomandibular dysfunction, occlusion, surgical periodontics, pharmacology, and practice management.

Credits 1

DMD-729 : Interprofessional Education IV– Teams and Teamwork

This course is a continuation of Interprofessional Education III and introduces the student dentist to activities that offer knowledge-based information, focused on describing roles and responsibilities, and demonstrates awareness of interprofessional communication and teamwork required across the health profession—focusing on the practice of Interprofessional Education with respect to the science and theories behind teamwork. Including the description of the culture of the Interprofessional team that facilitates or inhibits collaboration and its constraints. And identifies instances where Interprofessional care will improve patient, family, and community outcomes.
Credits 0.5

DMD-730 : Comprehensive Patient Care with Case Studies II

This course is continuous throughout the D-3 and D-4 years (I – VI). Student dentists learn comprehensive patient-centered oral health care and develop clinical competency required to enter the general practice of dentistry. Student dentists will provide patient care under the supervision, guidance, and support of faculty and will enhance their diagnostic, technical, and interpersonal skills. This courses emphasize the importance of these skills in effective, efficient, and compassionate patient care and guide the students towards independent practice by evaluating competence in the delivery of specific services, providing high-quality, comprehensive care to all patients, maintaining professionalism in the delivery of care, accurately self-evaluating one's clinical performance, and practicing efficiently and profitably. Case studies include topics in evidence-based, comprehensive general dentistry, advanced radiological interpretation and diagnosis, implantology, laser dentistry, CAD/CAM dentistry, occlusion, obstructive sleep apnea, temporomandibular dysfunction, occlusion, surgical periodontics, pharmacology, and practice management.
Credits 14

DMD-731 : Behavioral Dentistry II

This course is a continuation of Behavioral Dentistry I and facilitates the integration of the role of behavioral science in the study and practice of dentistry and provides the student with an understanding of human behavior and its effects on dental treatment. Emphasis is placed on the examination of anxiety, fear, dental and chronic orofacial pain, and then reviews techniques for designing and managing behavior change.
Credits 0.5

DMD-732 : Community Outreach/Service-Learning VII– School Districts

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses VII-IX focus on School Districts. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service- learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.
Credits 0.5

DMD-733 : Comprehensive General Dentistry Seminar I

This course is continuous throughout the D-3 year (I-III) and is a seminar review course that involves the synthesis and implementation of comprehensive treatment plans applicable to direct patient care. Emphasis is placed on collecting diagnostic data, proper sequencing of treatment steps dealing with the prevention, elimination, and control of the dental disease. Clinical patient management and practice management are incorporated into the course design. Topics will include practice management, radiology, oral medicine, internal medicine, advanced treatment planning, emergency patient care, pain management, periodontics, endodontics, operative dentistry, fixed prosthodontics, implantology, occlusion, removable prosthodontics, oral surgery, pediatric dentistry, geriatric dentistry, oral and maxillofacial surgery, and orthodontics.
Credits 4

DMD-734 : Grand Rounds I

This course is continuous throughout the D-3 and D-4 years (I -V). It gives student dentists the broadest input on the treatment of patients with perspectives from endodontists, orthodontists, periodontists, pedodontists, prosthodontists, and oral surgeons, for the development of interdisciplinary comprehensive treatment plan.
Credits 0.5

DMD-735 : Comprehensive Patient Care with Case Studies III

This course is continuous throughout the D-3 and D-4 years (I – VI). Student dentists learn comprehensive patient-centered oral health care and develop clinical competency required to enter the general practice of dentistry. Student dentists will provide patient care under the supervision, guidance, and support of faculty and will enhance their diagnostic, technical, and interpersonal skills. This courses emphasize the importance of these skills in effective, efficient, and compassionate patient care and guide the students towards independent practice by evaluating competence in the delivery of specific services, providing high-quality, comprehensive care to all patients, maintaining professionalism in the delivery of care, accurately self-evaluating one's clinical performance, and practicing efficiently and profitably. Case studies include topics in evidence-based, comprehensive general dentistry, advanced radiological interpretation and diagnosis, implantology, laser dentistry, CAD/CAM dentistry, occlusion, obstructive sleep apnea, temporomandibular dysfunction, occlusion, surgical periodontics, pharmacology, and practice management.
Credits 14

DMD-736 : Community Outreach/Service-Learning VIII–School Districts

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses VII-IX focus on School Districts. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service-learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.
Credits 0.5

DMD-737 : Comprehensive General Dentistry Seminar II

This course is continuous throughout the D-3 year (I-III) and is a seminar review course that involves the synthesis and implementation of comprehensive treatment plans applicable to direct patient care. Emphasis is placed on collecting diagnostic data, proper sequencing of treatment steps dealing with the prevention, elimination, and control of the dental disease. Clinical patient management and practice management are incorporated into the course design. Topics will include practice management, radiology, oral medicine, internal medicine, advanced treatment planning, emergency patient care, pain management, periodontics, endodontics, operative dentistry, fixed prosthodontics, implantology, occlusion, removable prosthodontics, oral surgery, pediatric dentistry, geriatric dentistry, oral and maxillofacial surgery, and orthodontics.
Credits 4

DMD-738 : Grand Rounds II

This course is continuous throughout the D-3 and D-4 years (I -V). It gives student dentists the broadest input on the treatment of patients with perspectives from endodontists, orthodontists, periodontists, pedodontists, prosthodontists, and oral surgeons, for the development of interdisciplinary comprehensive treatment plan.
Credits 0.5

DMD-739 : Comprehensive Patient Care with Case Studies IV

This course is continuous throughout the D-3 and D-4 years (I – VI). Student dentists learn comprehensive patient-centered oral health care and develop clinical competency required to enter the general practice of dentistry. Student dentists will provide patient care under the supervision, guidance, and support of faculty and will enhance their diagnostic, technical, and interpersonal skills. This courses emphasize the importance of these skills in effective, efficient, and compassionate patient care and guide the students towards independent practice by evaluating competence in the delivery of specific services, providing high-quality, comprehensive care to all patients, maintaining professionalism in the delivery of care, accurately self-evaluating one's clinical performance, and practicing efficiently and profitably. Case studies include topics in evidence-based, comprehensive general dentistry, advanced radiological interpretation and diagnosis, implantology, laser dentistry, CAD/CAM dentistry, occlusion, obstructive sleep apnea, temporomandibular dysfunction, occlusion, surgical periodontics, pharmacology, and practice management.
Credits 14

DMD-740 : Community Outreach/Service-Learning IX– School Districts

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses VII-IX focus on School Districts. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service- learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.

Credits 0.5

DMD-741 : Behavioral Dentistry III

This course is a continuation of Behavioral Dentistry II and facilitates the integration of the role of behavioral science in the study and practice of dentistry and provides the student with an understanding of human behavior and its effects on dental treatment. Emphasis is placed on professional practice, including care of special needs, geriatric, and diabetic patients, and interpersonal communication in dental education.

Credits 0.5

DMD-742 : Comprehensive General Dentistry Seminar III

This course is continuous throughout the D-3 year (I-III) and is a seminar review course that involves the synthesis and implementation of comprehensive treatment plans applicable to direct patient care. Emphasis is placed on collecting diagnostic data, proper sequencing of treatment steps dealing with the prevention, elimination, and control of dental disease. Clinical patient management and practice management are incorporated into the course design. Topics will include practice management, radiology, oral medicine, internal medicine, advanced treatment planning, emergency patient care, pain management, periodontics, endodontics, operative dentistry, fixed prosthodontics, implantology, occlusion, removable prosthodontics, oral surgery, pediatric dentistry, geriatric dentistry, oral and maxillofacial surgery, and orthodontics.

Credits 4

DMD-743 : Grand Rounds III

This course is continuous throughout the D-3 and D-4 years (I -V). It gives student dentists the broadest input on the treatment of patients with perspectives from endodontists, orthodontists, periodontists, pedodontists, prosthodontists, and oral surgeons, for the development of interdisciplinary comprehensive treatment plan.

Credits 0.5

DMD-744 : Comprehensive Patient Care with Case Studies V

This course is continuous throughout the D-3 and D-4 years (I – VI). Student dentists learn comprehensive patient-centered oral health care and develop clinical competency required to enter the general practice of dentistry. Student dentists will provide patient care under the supervision, guidance, and support of faculty and will enhance their diagnostic, technical, and interpersonal skills. This courses emphasize the importance of these skills in effective, efficient, and compassionate patient care and guide the students towards independent practice by evaluating competence in the delivery of specific services, providing high-quality, comprehensive care to all patients, maintaining professionalism in the delivery of care, accurately self-evaluating one's clinical performance, and practicing efficiently and profitably. Case studies include topics in evidence-based, comprehensive general dentistry, advanced radiological interpretation and diagnosis, implantology, laser dentistry, CAD/CAM dentistry, occlusion, obstructive sleep apnea, temporomandibular dysfunction, occlusion, surgical periodontics, pharmacology, and practice management.

Credits 14

DMD-745 : Community Outreach/Service-Learning X– Advanced Experiences in Community Health

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses X – XI focus on Community Health. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service-learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.

Credits 0.5

DMD-746 : Advanced Topics in Comprehensive General Dentistry I

This course is continuous throughout the D-4 year (I-II) and will provide student dentists with lectures on advanced topics in general dentistry, including practice management, radiology, oral medicine, internal medicine, advanced treatment planning, emergency patient care, pain management, periodontics, endodontics, operative dentistry, fixed prosthodontics, implantology, occlusion, removable prosthodontics, oral surgery, pediatric dentistry, geriatric dentistry, oral and maxillofacial surgery, orthodontics, behavioral dentistry, forensic odontology**, leadership and communication**, evidence based-dentistry, ethics and jurisprudence, community health and epidemiology**, Invisalign treatment for Class I and II Malocclusion**, obstructive sleep apnea, oral parafunction, substance abuse, temporomandibular function and dysfunction, orofacial myofunctional disorders, and IV sedation**. **lectures are elective.

Credits 4

DMD-747 : Grand Rounds IV

This course is continuous throughout the D-3 and D-4 years (I -V). It gives student dentists the broadest input on the treatment of patients with perspectives from endodontists, orthodontists, periodontists, pedodontists, prosthodontists, and oral surgeons, for the development of interdisciplinary comprehensive treatment plan.

Credits 0.5

DMD-748 : Comprehensive Patient Care with Case Studies VI

This course is continuous throughout the D-3 and D-4 years (I – VI). Student dentists learn comprehensive patient-centered oral health care and develop clinical competency required to enter the general practice of dentistry. Student dentists will provide patient care under the supervision, guidance, and support of faculty and will enhance their diagnostic, technical, and interpersonal skills. This courses emphasize the importance of these skills in effective, efficient, and compassionate patient care and guide the students towards independent practice by evaluating competence in the delivery of specific services, providing high-quality, comprehensive care to all patients, maintaining professionalism in the delivery of care, accurately self-evaluating one's clinical performance, and practicing efficiently and profitably. Case studies include topics in evidence-based, comprehensive general dentistry, advanced radiological interpretation and diagnosis, implantology, laser dentistry, CAD/CAM dentistry, occlusion, obstructive sleep apnea, temporomandibular dysfunction, occlusion, surgical periodontics, pharmacology, and practice management.

Credits 14

DMD-749 : Community Outreach/Service-Learning XI– Advanced Experiences in Community Health

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses X – XI focus on Community Health. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service-learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.

Credits 0.5

DMD-750 : Advanced Topics in Comprehensive General Dentistry I

This course is continuous throughout the D-4 year (I-II) and will provide student dentists with lectures on advanced topics in general dentistry, including practice management, radiology, oral medicine, internal medicine, advanced treatment planning, emergency patient care, pain management, periodontics, endodontics, operative dentistry, fixed prosthodontics, implantology, occlusion, removable prosthodontics, oral surgery, pediatric dentistry, geriatric dentistry, oral and maxillofacial surgery, orthodontics, behavioral dentistry, forensic odontology**, leadership and communication**, evidence based-dentistry, ethics and jurisprudence, community health and epidemiology**, Invisalign treatment for Class I and II Malocclusion**, obstructive sleep apnea, oral parafunction, substance abuse, temporomandibular function and dysfunction, orofacial myofunctional disorders, and IV sedation**. **lectures are elective.

Credits 4

DMD-751 : Grand Rounds V

This course is continuous throughout the D-3 and D-4 years (I -V). It gives student dentists the broadest input on the treatment of patients with perspectives from endodontists, orthodontists, periodontists, pedodontists, prosthodontists, and oral surgeons, for the development of interdisciplina

Credits 0.5

DMD 709 : Oral Health Science with Case Studies III

This course is continuous throughout the D-1 and D-2 year (I – VI) with integrated didactic and laboratory components to take the student from dental materials, dental morphology and occlusion, basic through advanced clinical dentistry including radiology, oral medicine, nutrition, periodontics, rotary endodontics, cariology, operative dentistry, fixed prosthodontics including CAD/CAM and implant dentistry, removable prosthodontics, oral surgery including temporomandibular function and dysfunction, pediatric dentistry, and orthodontics including Invisalign while utilizing case-studies and an evidence-based approach to simulate patient cases and treatment. Students will participate in simulated clinical competency evaluations, including radiographic interpretation and diagnosis, oral health sciences, oral medicine, and treatment planning, while developing the psychomotor skills necessary to practice Comprehensive General Dentistry.

Credits 15

DMD 710 : Community Outreach/Service-Learning III– Health Promotions

This course is continuous throughout the D-1, D-2, D-3, and D-4 years (I – XI) and involves community service-learning theory and practice. Courses I – III focus on Health Promotion. Through Remote Area Medical, the Health Wagon, and Smile TN, students partner with non-profit agencies and programs serving the underserved populations of Tennessee, Kentucky, Virginia, and Georgia. Additionally, students will visit elementary and junior high schools to provide health promotion education to students in oral disease prevention, tobacco cessation, and drug avoidance. Student engagement, reflection, reciprocity, and public dissemination are vehicles for the implementation of service- learning. These courses are designed to enhance students' understanding of the social determinants of illness, community public health dentistry, and civic engagement.

Credits 0.5

DMD 711 : Evidence-Based Dentistry I

Evidence-based dentistry (EDB) is the major theme for all courses within the dental medicine curriculum and contemporary dental practice. This course provides a foundation for students, along with an introductory working knowledge of all of the tools for EBD.

Credits 0.5

DMD 712 : Interprofessional Education II – Roles and Responsibilities

This course is a continuation of Interprofessional Education I and introduces the student dentist to activities that offer knowledge-based information, focused on describing roles and responsibilities, and demonstrates awareness of interprofessional communication and teamwork required across the health profession—focusing on describing the student dentist's role, responsibilities, values, and scope of practice effectively to clients/patients/families and other professionals.

Credits 0.5

DMD 713 : Research Experience

This course encourages LMU College of Dental Medicine students to become involved in oral health-related research (basic, biomaterials, clinical, or behavioral) at LMU CDM. The research experience is flexible to fit the diversity of the projects and the changing goals of the students as they progress through the dental medicine curriculum.

Credits 10

DMD 715 : Oral Health Science with Case Studies IV

This course is continuous throughout the D-1 and D-2 year (I – VI) with integrated didactic and laboratory components to take the student from dental materials, dental morphology and occlusion, basic through advanced clinical dentistry including radiology, oral medicine, nutrition, periodontics, rotary endodontics, cariology, operative dentistry, fixed prosthodontics including CAD/CAM and implant dentistry, removable prosthodontics, oral surgery including temporomandibular function and dysfunction, pediatric dentistry, and orthodontics including Invisalign while utilizing case-studies and an evidence-based approach to simulate patient cases and treatment. Students will participate in simulated clinical competency evaluations, including radiographic interpretation and diagnosis, oral health sciences, oral medicine, and treatment planning, while developing the psychomotor skills necessary to practice Comprehensive General Dentistry.

Credits 15

DMDSYS-701 : Medical Gross Anatomy

Medical Gross Anatomy (MGA) is the study of the body's structure. The course is organized according to the major body regions: back and upper limb; thorax and abdomen; pelvis and lower limb; and head and neck. Laboratory dissections will be utilized throughout the entire course. Supplemental lectures and tutorials will also be given. The student is expected to learn anatomical terminology, three-dimensional, and radiological anatomy. Throughout the course, students will be challenged to relate anatomy to solving clinical problems. The latter is an integral part of the anatomy curriculum. Students will be evaluated by a series of five written examinations and four laboratory practical exams.
Credits 5.5

DMDSYS-711 : Molecular Fund of Medicine I

The Molecular Fundamentals of Medicine I (MFM I) course is designed to provide each student with an integrated understanding of the basic biochemical, molecular, and cellular principles underlying cell structure and function in health and disease. The course integrates the basic science disciplines of molecular and cellular biology, biochemistry and metabolism, pathology, and medical genetics within the context of their clinical applications to basic biomedical sciences. Students will gain an understanding of (1) human molecular biology and genetics; (2) cellular biology and metabolism (3) cellular, molecular, and metabolic abnormalities resulting in pathological conditions and disease; and (4) the molecular basis for clinical diagnosis and therapy.
Credits 6

DMDSYS-712 : Molecular Fund of Medicine II

MFM II focuses on the function of the human immune system and the infectious diseases that afflict body uses normal microbiota and various components of the immune system for self-regulation, self- healing, and health preservation to protect us from infection and disease. The microbiology content is delivered in a "bug parade" manor to study the characteristics, disease presentation, and pathology caused by individual microorganisms allowing students to determine the diagnosis and treatments of infectious diseases. It is an integrated course introducing the student unfamiliar with microbiology to foundations of bacteriology, virology, parasitology, and mycology.
Credits 7

DMDSYS-714 : Medical Histology

Medical Histology gives students a foundation in the basic structural and functional organization of cells and tissues in the human body. The course focuses on the histologic study of basic tissue types and the microscopic anatomy of major organs and organ systems. The understanding of the normal histology presented in this course is critical for the student's ability to: (1) envision the cellular/tissue structures associated with the biochemical and physiological processes explained in other courses, and (2) identify and comprehend the histopathology presented in the second-year systems courses
Credits 4

DMDSYS-715 : Medical Neuroanatomy

This course provides a thorough survey of the central, peripheral, and autonomic nervous systems. The basic science components will include embryologic neural development, neuroanatomy, and neurophysiology.
Credits 3.5

DMDSYS-716 : Medical Physiology

This course is a comprehensive study of normal human physiology organized by system, with an emphasis on integration and control based on the body's innate capacity for regulation and healing. Students are also introduced to failures of the regulatory systems, due either to internal or external pathology. The major class activities are lectures and team-based learning (TBL) exercises. TBL activities are problem-solving exercises to reinforce learning.
Credits 7.5

DMDSYS-717 : Medical Basic Pharmacology

The course is designed to build a foundation of pharmacologic knowledge. Drug modes of action and physiologic effects that stem from drug actions are introduced systematically by pharmacologic class with emphasis placed upon prototypical and commonly used members from each pharmacologic class.
Credits 4

DMDSYS-724 : Musculoskeletal System

This course provides the student with an interdisciplinary approach to the primary care focused evaluation and treatment of conditions involving the neuromusculoskeletal system. Foundations of anatomy and biomechanics, physiology, pharmacology, and pathology are included to enhance the understanding of fundamental clinical concepts. Basic science and aspects of clinical neuromusculoskeletal medicine are considered.
Credits 4

DMDSYS-751 : Hematology & Lymph

This course provides the dental student with an interdisciplinary, integrated approach to the basic science and clinical medicine framework for understanding the fundamentals of the hematopoietic and lymphatic systems. The course will introduce students to biochemical, genetic, pathological, pharmacologic, and immunologic considerations as the basis for an approach to the pathophysiology and clinical evaluation and treatment of anemia, hemoglobinopathies, white blood cell disorders, primary immunodeficiency disorders, leukemias and lymphomas, multiple myeloma, myeloproliferative disorders, hemostasis disorders, platelet disorders, transfusion medicine, lymphedema, select infectious disease considerations, along with other specialized topics.
Credits 3

DMDSYS-753 : Cardiovascular

This course will prepare students to apply scientific understanding of normal physiological functions, the mechanisms of disease, and principles of therapeutics within conceptual and clinical applications in order to:

A. Distinguish normal from abnormal cardiovascular function, formulate a diagnosis, and determine the most appropriate basic therapeutic approach.
B. Interpret and analyze history and physical examination, laboratory results, ECGs, and imaging technologies to diagnose and guide basic therapeutic approach for common cardiovascular conditions.

Credits 5.5

DMDSYS-755 : Renal

The purpose of this course is to present relevant clinical information of the pathophysiology and diagnosis and treatment of renal diseases to allow the student to develop an in-depth knowledge of the structures and functions of the human renal system and how they are altered by various specific renal and systemic disease processes. This second-year renal course will build on and augment what the student has already learned in the various first- year courses and will develop a more comprehensive understanding of the structure and function of the renal system in health and illness and how it is evaluated. This course will also introduce and reinforce for the student the systemic manifestations of renal disease impacting other body systems and how pathophysiological processes in other systems impact renal function. The course will also provide an introduction to the understanding of the alterations of the pharmacology of various medications as a result of the presence of renal disease.
Credits 2.5

DMDSYS-757 : Respiratory

The Respiratory Course is designed to instruct students about the pathologic conditions ofthe Respiratory system. The course is organized by disease types and has the pathophysiology early and integrated throughout the course. The course instructs students on the diagnostic and therapeutic tools used to evaluate and manage patients with pathology of the respiratory system. Numerous disciplines like anatomy, microbiology, and pharmacology are used to instruct the students about the evaluation and treatment of the pathology of the respiratory system. The greater design of the course is to teach an osteopathic student how to diagnose and treat problems originating from or related to the respiratory system.
Credits 3

DMDSYS-760 : Endocrine

This course applies the physiologic principles of hormone production and function to pathologic processes of endocrine disorders. It also explores metabolic dysfunction, including the pathophysiology of type 2 diabetes and other obesity-related conditions. Clinical manifestations, diagnosis, and treatment of common adult endocrine disorders are covered. Emphasis is placed on understanding the interplay of endocrine regulatory mechanisms as they relate to appropriate pharmacologic treatment of endocrine dysfunction.
Credits 3

DMDSYS-762 : Reproductive/Genital Urinary

This course will familiarize the student with the female and male reproductive system. The basic science and clinical information regarding the normal structure and function of the genitourinary system, the pathophysiology of genitourinary system disorders, and the clinical characteristics and epidemiology of these disorders.
Credits 5

DMDSYS-764 : Gastrointestinal

This course tasks the student with applying basic principles of histology, embryology, anatomy, genetics, microbiology, physiology, pharmacology, and pathology of gastrointestinal diseases in the adult and pediatric population. Basic concepts of nutrition will also be covered in this system.
Credits 3

DMDSYS-768 : Integument

This course explores the anatomy of the skin, pathologies of the skin, and the pharmacology of dermatologic drugs. Clinical manifestations of skin disorders of various ages are presented in lecture format or TBL categorized by classification of lesions.
Credits 2

Gen Eds

BIOL-230 : Microbiology

The microbial world: emphasis on techniques of studying microbes, isolation and identification of bacteria, and modern methods of molecular techniques used in the study of microbes. Corequisite: BIOL 230L lab, 1 credit hour. Fall and Spring.
Credits 4

BIOL-261 : Human Anatomy and Physiology I

This course is the first of a two-semester sequence of courses addressing the human body's structure and function and 99 mechanisms for maintaining homeostasis. Emphasis will be given to aspects relevant to medical science. The first semester (BIOL 261) will focus on the anatomy and physiology of human cells, tissues, and systems, including the integumentary, skeletal, muscular, and nervous systems. In the laboratory, students will examine human anatomy through histological and skeletal preparations, as well as through dissection of mammals. Physiological lab experiments and/or computer simulation exercises will also be conducted. Corequisite: BIOL 261L lab, 1 credit hour. Fall.
Credits 4

CHEM-100 : Introduction to Chemistry

This course provides students with an introduction to the basic principles of modern chemistry. The course uses real-world applications such as ozone depletion, air and water quality, nuclear power, and the pharmaceutical industry to introduce the essential concepts of modern chemistry. Corequisite: CHEM 100 Lab, 1 cr hr. Fall, Spring.
Credits 4

COMM-200 : Speech Communications

Introductory course designed to increase skills and ease interpersonal oral communications through development of analytical thinking, clear organization and support of ideas, effective expression/delivery techniques, confidence before groups, and effective listening. Includes a variety of formal and informal speaking situations and experiences. Recommended prerequisite: ENGL 101. Fall, Spring.
Credits 3

ENG-102 : Composition II

Extends concepts introduced in ENGL 101 with emphasis on effective writing in response to a variety of reading selections. An important feature of ENGL 201 is information literacy and research based writing using correct formatting and documentation. Writing intensive. Requires a college-level research paper of significant length, supported by authoritative sources. Prerequisites: "C-" or high in ENGL 101; or "C-" or higher in one (1) dual enrollment composition course; or 4 or higher on the AP English Language and Composition Exam; or 26 or higher on the ACT English exam; or 670 or higher on the SAT Verbal exam. Fall, Spring
Credits 3

ENG 101 : Composition

This course is an introduction to the conventions of college-level reading, writing, and research. Emphasis is on the writing process and the improvement of critical thinking, language, and grammar skills. Admission to the course is determined by student writing samples administered in ENGL 099; or successful completion of ENGL 099 with a grade of "C-" or higher; or an ACT English score between 18 and 25; or an SAT Verbal score between 470 and 660. Fall, Spring.
Credits 3

ISYS-100 : Computer Literacy

This course addresses the elementary study of microcomputers; topics include hardware and operating systems, introduction to word processing, spreadsheets and database, communications software, computer terminology, ethics, social implications, and career opportunities. This course should be completed during the freshman year. For students demonstrating computer skills equivalent to ISYS 100, the General Education Core Curriculum requirement in Computer Literacy may be waived; opportunities for such are provided during Student Orientation sessions preceding each semester. Fall, Spring, Summer
Credits 2

LNCN-100 : Lincoln's Life and Legacy

An introduction to the life, career, and legacy of Abraham Lincoln. The course will focus on Lincoln's biography (including the lives of his family members), his letters and speeches, and his place in American culture. Attention will be devoted to his impact on shaping the course of American history in the mid- nineteenth century, and to assessing the way Americans have remembered him. The course will include discussion of the origins and history of LMU. Fall, Spring.
Credits 1

MATH 105 : College Level Math

This course is designed to be a logical foundation for both the classical instance of algebra in MATH 115 College Algebra and the alternative general education course, MATH 100, Reasoning and Problem Solving. Emphasis S on the logical and computational elements: operators, operands, expressions, distinct but equivalent expressions, words of a type versus objects of a type, and use thereof in both contexts. Exercises address interpretation and use of math language and notation, algebra of sets, algebra of numbers, and processes utilized in solving linear and quadratic equations and inequalities. Prerequisites: Math ACT of 19 or higher, or Math SAT 510 or higher, or successful completion of MATH 099. Fall/Spring.
Credits 3

PSYC-100 : Introduction to Psychology

An introduction to the basic concepts, methods, theories, and applications of psychology. Survey of the major areas of psychology such as the scientific method, biological basis of behavior, sensation, perception, and consciousness, conditioning and learning, memory and cognition, motivation.
Credits 3

SOCI-100 : Introduction to Sociology

Overview of principles employed in analyzing the nature of societal, cultural, and group behavior. Applications to major social institutions and individual lives. Fall, Spring.
Credits 3

UACT-100 : Strategies for College Success

This course explores and integrates topics of relevance for a more successful transition to university academic and social life. Along with gaining a better understanding of LMU's values, topics such as time management, learning strategies, self-understanding, and career and life choices will be addressed. Health issues such as managing stress, substance use and abuse, and general wellness are also examined. This course is required of all new freshmen with less than 15 credits of college credit. Given the goals of this course, AP, CLEP, dual enrollment, and online courses may not be included in the calculation of the 15 credits necessary to be exempt from this course. University Honors Scholars may substitute HNRS 100. Fall/Spring. The following courses are given a grade of Pass/Fail. These courses are offered as needed Fall and/or Spring.
Credits 1

Master of Science in Forensic Dentistry

F DENT 801 : Introduction to Forensic Science

A survey of the American Academy of Forensic Science forensic specialties and provides basic information on morgue protocols. This course provides the basic medico-legal knowledge and understanding of morgue protocols necessary to perform duties in a medical examiner's office.
Credits 2

F DENT 802 : Clinical Head & Neck Anatomy

This course presents a detailed study of the anatomic structures fundamental to dental specialty training. Detailed gross dissection of the human head and neck with emphasis placed on traditional musculo-skeletal and neuro-vascular architectural relationships as they relate to growth and development. This pedagogy allows immediate recognition of odonto-skeletal structures relevant to positive identification, and the pathology of forensic perimortem trauma. Participants review standard texts of head and neck anatomy and radiology, and other professional literature to support specialty-specific questions/topics.
Credits 3

F DENT 803 : Radiology

This course offers the fundamentals of theory and practice that constitute a working knowledge of the radiologic sciences as they apply to general and forensic dentistry. Laboratory exercises will be utilized to develop practical skills in the area of dental radiographic procedures which serve as the foundation for intraoral radiographic image acquisition and interpretation. The course will cover basic principles and anatomy revealed by intraoral and panoramic imaging as well as cone beam computed tomography (CBCT).
Credits 2

F DENT 804 : Forensics Research Methods

This course is a hybrid course, combining both lecture and on-line material. The biostatistics portion of this course introduces students to widely used methods for analysis of experimental and observational data with orientation toward statistical inference from dental research. The research methods aspect of this course serves as an introduction to research, including methods for handling experimental data.
Credits 2

F DENT 805 : Forensic Science Journal Club

An evaluation and discussion of relevant historical and current methodology and trends in forensic dentistry and forensic science (focus choice of faculty).
Credits 1

F DENT 806 : Forensic Odontology I

This course is a historical and practical demonstration of the theory and practice in human forensic identification procedures and age assessment methodology. Its aim is to prepare the student to perform human identifications and age assessments in a medical examiner office setting as well as in mass disaster situations. It provides the basic medico-legal knowledge necessary to perform these duties in its application to law and the U.S. legal system.
Credits 3

F DENT 807 : Statistics

An introduction to statistics and its application to interpretation of biological research. Notation, descriptive statistics, probability distributions, confidence intervals, t- and chi-square tests. Analysis of variance, mean separation procedures, and linear regression and correlation.
Credits 3

F DENT 808 : Dental Ethics

Sixteen online modules available through the American College of Dentists identified as particularly relevant to postgraduate dental education and the specialty practice of dentistry will constitute this course. Following completion of online activities, students review modules with individual Postgraduate Program Directors to explore and reinforce ties between ethics concepts learned and specific applications in dental specialty practice.
Credits 1

F DENT 809 : Dental Specialties Review

This course is a review of the current dental school level standards and trends in the areas of biomaterials, endodontics, pedodontics, periodontics, prosthodontics, orthodontics, oral/maxillofacial surgery, and oral medicine. It provides basic knowledge in recognition of dental materials, restorations, prostheses, and oral pathology in order to assist the forensic dentist perform duties in application to the law and medico-legal system.
Credits 2

F DENT 810 : Research and Manuscript I

This course provides postgraduate students with the experience of engaging in dental and related sciences, and to pursue a Masters of Science in Forensic Dentistry (MSFD) degree. In this course, students will work on individual research projects under the supervision of an individual advisor experienced in research methodologies and scientific writing. Students will work on the inception, implementation, and submission for publication of a research project with an individual advisor. Student activities include library research, writing a literature review, developing a research protocol, hands-on research, gathering and analyzing data, interpreting experimental results, developing conclusions, and publishing outcomes. Submission for publication of the original research is required.
Credits 1

F DENT 811 : Statistics for Research

Principles and application of statistical methodology, integrated with considerable use of major statistical computing system. Probability and probability distributions, forming and testing hypotheses using parametric and nonparametric inference methods. Matrix-based simple linear regression and correlation.
Credits 3

F DENT 812 : Forensic Odontology II

A continuation of Forensic Odontology I with emphasis on the role of the forensic dentist in pattern injury recognition, analysis and comparison; human abuse; civil litigation; court room dynamics and their role as an expert witness. It provides the basic medico-legal knowledge necessary to perform these duties in its application to law and the U.S. legal system.
Credits 3

F DENT 813 : Forensic Science II

An advanced exposure to specific forensic science protocols including autopsy and report findings, crime scene procedures including clandestine grave excavation, legal proceedings of criminal investigations, crime scene protocols, corporeal evidence, expert testimony, and courtroom dynamics.
Credits 3

F DENT 814 : Research and Manuscript II

This course provides postgraduate students with the experience of engaging in dental and related sciences, and to pursue a Master's of Science in Forensic Dentistry (MSFD) degree. In this course, students will work on individual research projects under the supervision of an individual advisor experienced in research methodologies and scientific writing. Students will work on the inception, implementation, and submission for publication of a research project with an individual advisor. Student activities include library research, writing a literature review, developing a research protocol, hands-on research, gathering and analyzing data, interpreting experimental results, developing conclusions, and publishing outcomes. Submission for publication of the original research is required.

Credits 1

F DENT 815 : Research and Manuscript III

This course provides postgraduate students with the experience of engaging in dental and related sciences, and to pursue a Master's of Science in Forensic Dentistry (MSFD) degree. In this course, students will work on individual research projects under the supervision of an individual advisor experienced in research methodologies and scientific writing. Students will work on the inception, implementation, and submission for publication of a research project with an individual advisor. Student activities include library research, writing a literature review, developing a research protocol, hands-on research, gathering and analyzing data, interpreting experimental results, developing conclusions, and publishing outcomes. Submission for publication of the original research is required.

Credits 6