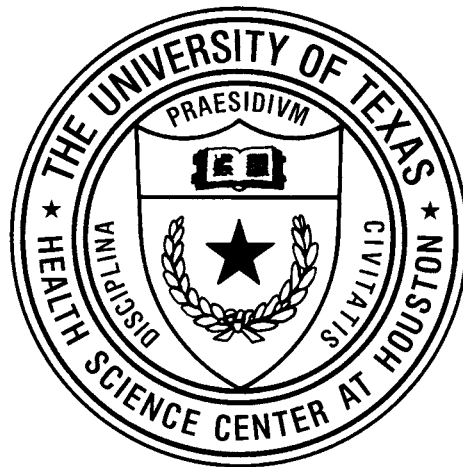


The University of Texas Health Science Center at Houston

The School of Dentistry 2018 – 2020 Catalog



The The University of Texas Health Science Center at Houston (UTHealth) is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificate, undergraduate, masters, doctoral, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-40097 or call 404-679-4500 for questions about the accreditation of The University of Health Science Center at Houston.

This catalog is a general information publication only. It is not intended to nor does it contain all regulations that relate to students. Applicants, students, and faculty are referred to The University of Texas Health Science Center at Houston General Catalog. The provisions of this catalog and/or the General Catalog do not constitute a contract, express or implied, between any applicant, student or faculty member and The University of Texas School of Dentistry at Houston or The University of Texas System. The University of Texas School of Dentistry at Houston reserves the right to withdraw courses at any time, to change fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever the proper authorities so determine and will apply to both prospective students and those already enrolled.

To the extent provided by applicable law, no person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored or conducted by UTHealth on the basis of race, color, national origin, religion, sex, sexual orientation, gender expression or gender identity, age, veteran status or disability.

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MESSAGE TO STUDENTS FROM DEAN JOHN A. VALENZA, DDS

Welcome to Houston and the Texas Medical Center!



Welcome to The University of Texas School of Dentistry at Houston (UTSD), a part of The University of Texas Health Science Center at Houston (UTHealth). Within this catalog, you'll find important information affecting almost every aspect of academic life — from course listings to scholarship offerings to criteria for graduation, and much, much more.

As a UTSD student in the world-renowned Texas Medical Center, you'll have opportunities to forge lasting friendships and make meaningful professional connections in one of the richest intellectual, cultural and collaborative environments in the world. We encourage you to make the most of your time here and enjoy everything Houston has to offer.

We hope this catalog will be helpful as you embark on your journey into the world of dentistry. And once again, welcome to UTSD!

Sincerely,

John A. Valenza, DDS '81

Dean

William N. Finnegan III Distinguished Teaching Professor in the Dental Sciences

ACADEMIC CALENDAR 2018-2019

2018	July 2	Monday	Session Begins at 8:00 a.m. for Graduate Students, Postgraduate Students and Residents
	July 4	Wednesday	Holiday- Independence Day
	August 13	Monday	Fall Semester begins at 8:00 a.m. for all Dental and Dental Hygiene Students
	August 27	Monday	Fall Semester begins for Graduate, Postgraduate Students, and Residents
	September 3	Monday	Holiday - Labor Day
	November 22-23	Thursday-Friday	Holiday -Thanksgiving
	December 3-14	Monday-Friday	Examinations for Dental and Dental Hygiene Students
	December 14	Friday	Fall Semester ends at 5:00 p.m. for all Students

2019	January 2	Wednesday	Spring Semester begins at 8:00 a.m. for Dental, Dental Hygiene, Graduate and Postgraduate Students
	January 21	Monday	Holiday - Martin Luther King, Jr.'s Birthday
	March 18-22	Monday-Friday	Spring Break
	April 29-May 10	Monday- Friday	Examinations for Dental and Dental Hygiene Students
	May 10	Friday	Spring Semester ends at 5:00 p.m. for, DDS IV and Dental Hygiene Students II
	May 17	Friday	Graduation
	May 27	Monday	Holiday - Memorial Day
	May 28	Tuesday	Summer Term begins for DDS I, II, III and Dental Hygiene I
	June 28	Friday	Spring Session ends at 5:00 p.m. for Advanced Education Students
	July 19	Friday	Summer Term ends at 5:00 p.m. for DDS I, II, III and Dental Hygiene I

*The Postgraduate School operates on a calendar year basis from July 1 to June 30 for all program activities. Basic science courses are conducted during the summer term, and fall and spring semesters.

ACADEMIC CALENDAR 2019-2020

2019	July 1	Monday	Session begins at 8:00 a.m. for Graduate Students, Postgraduate Students and Residents
	July 4	Thursday	Holiday - Independence Day
	August 12	Monday	Fall Semester begins at 8:00 a.m. for all Dental Students and Dental Hygiene
	August 12	Monday	Fall Semester begins for Graduate Students, Postgraduate Students and Residents.
	September 2	Monday	Holiday - Labor Day
	November 28-29	Thursday - Friday	Holiday - Thanksgiving
	December 2-13	Monday - Friday	Examinations for Dental and Dental Hygiene Students
	December 13	Friday	Fall Semester ends for all Students

2020	January 6	Monday	Spring Semester begins at 8:00 a.m. for Dental, Graduate, Postgraduate and Dental Hygiene Students
	January 20	Monday	Holiday - Martin Luther King, Jr.'s Birthday
	March 16-20	Monday- Friday	Spring Break
	May 8	Friday	Semester ends at 5:00 p.m. for DDS IV and Dental Hygiene Students II
	May 22	Friday	Graduation
	May 25	Monday	Holiday - Memorial Day
	June 1	Monday	Summer Term begins for DDS I, II, III and Dental Hygiene I
	June 30	Tuesday	Spring Session ends at 5:00 p.m. for Advance Education Students
	July 24	Friday	Summer Term ends at 5:00 p.m. for DDS I, II, III and Dental Hygiene I

*The Postgraduate School operates on a calendar year basis from July 1 to June 30 for all program activities. Basic science courses are conducted during the summer term, and fall and spring semesters.

ADMINISTRATION

John A. Valenza, DDS

Dean

Robert D. Spears, PhD

Associate Dean for Student and Academic Affairs

Kimberly S. Ruona, DDS

Associate Dean for Patient Care

Lisa D. Cain, PhD

Associate Dean for Professional Development and Faculty Affairs

Jacqueline T. Hecht, PhD

Associate Dean for Research

Arthur H. Jeske, DMD, PhD

Associate Dean for Strategic Planning and Continuing Dental Education

Muhammad F. Walji, PhD

Associate Dean for Technology Services & Informatics

GENERAL INFORMATION

Accreditation

The programs offered by The University of Texas School of Dentistry at Houston are accredited by the Commission on Dental Accreditation of the American Dental Association.

The Commission on Dental Accreditation will review complaints that relate to a program compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admission, appointment, promotion, or dismissal of faculty, staff, or students.

A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago, IL 60611-2678 or by calling 1-800-621-8099, extension 4653.

Veterans Administration Training Program

The University of Texas School of Dentistry at Houston has programs approved by the Texas Workforce Commission for veterans training. Training programs are offered on the undergraduate and graduate level. For complete information regarding provisions of the program, candidates should contact the Veterans Administration office nearest their home.

Vocational Rehabilitation

The State Board of Vocational Education, through the Vocational Rehabilitation Division, will pay the tuition of students who have certain disabilities, provided the vocational objective selected by the disabled persons have been approved by a representative of the Division. Application for vocational rehabilitation assistance should be made to the nearest Texas Rehabilitation Commission office.

Mission, Vision and History

The University of Texas School of Dentistry at Houston has set the standard for oral health excellence since 1905 as the first dental school in Texas and the oldest professional school in Houston. Since then, thousands of dentists, dental hygienists and dental specialists have been educated at UTSD, where the mission is "to improve human health by providing high quality education, patient care and research in oral health for Texas, the nation and the world."

The school was founded as the privately owned Texas Dental College and joined The University of Texas System in 1943. From 1955-2011, the school was known as "UT Dental Branch," but the name "School of Dentistry" was restored in June 2011. The school is part of The University of Texas Health Science Center at Houston (UTHealth).

Our Vision "Improving Oral Health...Improving Overall Health"

Our Mission "To improve human health by providing high-quality education, patient care, and research in oral health for Texas, the nation and the world."

FULFILLING OUR MISSION

Education

UTSD offers eight accredited advanced education programs in primary care and dental specialties. It also offers a broad-based competency driven curricula with extensive use of outcomes assessment to evaluate student/resident performance in each program. Curriculum development is ongoing, with an emphasis on evidence-based dentistry and building skills for life-long learning.

In response to the state's potential need for oral healthcare providers and an increase in the number of highly-qualified applicants, UTSD increased its DDS class size during the 2005 and 2006 academic years. With the move to new School of Dentistry building in 2012, enrollment was increased to 100. The continuation of a robust applicant pool, and the recruitment of additional outstanding faculty, further growth in class size is anticipated to meet the oral health needs of Texans.

Because serving the community is an important part of the School's mission, the institution also believes that the student body should look like the community it serves — diverse. UTSD has integrated a focus on cultural competency, diversity, and inclusion built on the foundation of the American Medical Student Association's Achieving Diversity in Dentistry and Medicine guidelines into all four years of the undergraduate dental curriculum. This focus is supported by, the Robert Wood Johnson Foundation Summer Medical and Dental Education Program, which provides intensive and personalized training opportunities for pre-dental and medical students as a preparatory program to ultimately increase the number of under-represented and minority health care practitioners in Texas. UTSD has also been recognized as a Hispanic Center of Excellence through award of the HCOE Grant from HRSA. The grant provides funding for programs to increase the pipeline of Hispanic applicants, to support currently enrolled Hispanic students, to support Hispanic faculty, to promote Hispanic health research and to promote cultural competency. As the only dental school in southeast Texas, a top priority of the School of Dentistry is to retain its pivotal role as a primary source of quality oral health care to low income families and the traditionally underserved.

Research

Research brings about progress and advancement that changes and saves lives. Therefore, it is an important part of our mission. UTSD faculty members are investigating:

- saliva as a diagnostic tool using proteomic analysis
- mechanisms of autoimmune disease
- mechanisms of mucosal immunity
- advanced imaging for diagnosis and treatment of craniofacial anomalies
- molecular imaging of oral cavity and other cancers using nanotechnology
- oral manifestations of HIV infection
- tissue engineering

The UTSD has a strong commitment to building the workforce of oral health scientists for the 21st century.

Community Service/Patient Care

Caring for people is the reason for our existence. The educational and research components of our mission are driven by our desire to provide our patients with high-quality care and the opportunity for better health. As our vision states, ***Improving Oral Health...Improving Overall Health!***

In fiscal year 2018, UTSD continued to support community outreach programs at a variety of sites throughout the greater Houston metropolitan area, as well as in the east Texas communities of Orange and Jasper, with our two mobile dental clinics. Through these community partnerships, our students and faculty completed 1,500 patient visits and offered a full scope of dental treatments and oral health preventive care valued at \$430,000. At the clinics in our main building, our primary patient care site, we have increased our patient visits and total treatments provided each year since opening at our new location in 2012. We now anticipate more than 71,000 visits annually for patients of all ages. An additional 20,000 patient visits are performed at our offsite clinics and over 70% of those are pediatric patients and patients with special health care needs. The clinical enterprise of UTSD is a primary source of quality oral health care for our community's low-income families and has consistently provided more than \$1 million of unsponsored charitable dental treatment annually.

Students, residents, faculty and staff volunteers, 127 strong, teamed together in response to Hurricane Harvey in early September 2017 to provide onsite care for evacuees with dental emergencies at the George R. Brown Convention Center in our mobile dental clinic, followed by care at UTSD and other locations around Houston. Over the course of two weeks, we treated 146 patients who otherwise would not have received much-needed pain relief. For this team effort, led in large part by our students, UTSD was recognized nationally with a Tarrson Award from the American Dental Association Foundation. Additionally, our annual special events held at the school are Give Vets a Smile in early November and Give Kids a Smile in February, National Children's Dental Health Month.

Instructional Programs

UTSD sponsors 10 accredited academic programs.

- Doctor of Dental Surgery
- Graduate Primary Care
 - Advanced Education in General Dentistry (AEGD)
 - General Practice Residency (GPR)
- Postgraduate/Graduate Specialty Care
 - Endodontics
 - Oral & Maxillofacial Surgery
 - Orthodontics
 - Pediatric Dentistry
 - Periodontics
 - Prosthodontics
- **Dental Hygiene Program (Certificate and Bachelor)**

Formal dual-degree Programs

- Oral & Maxillofacial Surgery/Doctor of Medicine
- Oral & Maxillofacial Surgery/Doctor of Philosophy Degree

Facilities

In May 2012, UTSD moved into a new, 300,000-square-foot building at 7500 Cambridge St. in UT Research Park on the south campus of the Texas Medical Center. The six-story facility is fully Wi-Fi enabled and features classrooms, clinics, laboratories and research areas with state-of-the-art equipment. In classrooms, faculty can use audience-response technology to immediately assess students' understanding of lecture concepts, and many lectures are recorded and posted on the school's intranet (Canvas). An expansive new simulation clinic lets students and continuing education clients learn and practice skills in a virtual setting before moving on to live patients.

In the patient care clinics, natural lighting is abundant. Spacious bays are equipped with chairside computers to make it easy for students and faculty to access electronic health records and X-rays without leaving the patient. All equipment is state-of-the-art, and UTSD is the first dental school in the country to have both predoctoral and graduate endodontic clinics fully equipped with microscopes.

Additionally, the school has a library and learning commons, a faculty practice clinic, "grab-n-go" food service, and an adjacent 14,000-square-foot conference center with a landscaped, Wi-Fi enabled courtyard.

POLICIES AND PROCEDURES

Student Conduct and Discipline

Students are responsible for knowing and observing University regulations concerning student conduct and discipline as set forth The University of Texas Health Science Center at Houston (UTHealth) Handbook of Operating Procedures (HOOP) Policy 186, **Student Conduct and Discipline**. <https://www.uth.edu/hoop/policy.htm?id=1448220>. Rules specific to student conduct and discipline are also outlined in *The University of Texas School of Dentistry at Houston Student Guide to Academic Studies*, which is distributed during orientation and at the beginning of each semester.

STUDENT GRIEVANCES PROCEDURES

Grade Grievance Procedure

The faculty retains the primary responsibility for student evaluation and assignment of grades. In attempting to resolve any student grievance regarding grades or evaluations, it is the obligation of the student to first make a serious effort to resolve the matter with the faculty member with whom the grievance originated. A faculty member's judgment is final unless there is substantial evidence of discrimination, mistake or differential treatment. If, after meeting with the appropriate faculty member, the student feels that the grade grievance has not been adequately addressed, the student may appeal the faculty member's determination, in writing, to the Associate Dean for Student and Academic Affairs within seven calendar days of grade posting. The Associate Dean for Student and Academic Affairs will review the case and submit a written recommendation to the Dean within 14 calendar days of submission of the appeal by the student. The determination of the Dean is final.

Nonacademic Grievance Procedure

Students enrolled in UTSD should report abuse or mistreatment to the Associate Dean for Student and Academic Affairs. The Associate Dean will meet with the student to discuss the incident or behavior and the options for action.

University policies and procedures concerning misconduct by faculty and staff, including sexual and physical abuse and harassment, are outlined in the UTHHealth Handbook of Operating Procedures (HOOP) see HOOP 59 Sexual Misconduct <https://www.uth.edu/hoop/policy.htm?id=1447966> and HOOP 183, Nondiscrimination, Anti-Harassment and Equal Opportunity <https://www.uth.edu/hoop/policy.htm?id=1448214>. The Associate Dean for Student and Academic Affairs will advise and assist the student in following applicable procedures of the institution.

Texas Core Curriculum Requirements

Students who will be receiving their first baccalaureate degrees from UTSD must successfully complete the Texas Core Curriculum requirements. The core curriculum consists of 42 semester credit hour in specified component areas. Applicants are encouraged to contact the Office of the Registrar or UTSD to inquire about other courses that may satisfy Core Curriculum requirements.

Texas Core Curriculum Component Areas and Requirements	Credit Hours
Communication (English rhetoric/composition) – ENGL 1301, ENGL 1302, ENGL 1311, ENGL, 1312, ENGL 2311, ENGL 2314, ENGL 2315, or Equivalent*	6
Mathematics – 3 hours in Algebra – MATH 1314 or higher; 3 hours in Statistics – MATH 1342, MATH 1442, MATH 2342, MATH 2442, or PSYC 2317, or equivalent	3
Natural Sciences – Courses with prefixes BIOL, CHEM, GEOL, PHYS, HORT, or other natural sciences	9
Humanities & Visual and Performing Arts Must include: 3 hours in visual/performing arts – Courses with prefixes ART, DANC, MUAP, MUEN, MUSI, DRAM, or equivalent; 3 hours in “other”, including literature, philosophy, modern or classical language/literature, and cultural studies**	6
Social and Behavioral Sciences – Must include: 6 hours in U.S. history – Either HIST 1301 & HIST 1302, or HIST 1301 & HIST 2301; 6 hours in political science – GOVT 2301 & GOVT 2302, or GOVT 2301 & GOVT 2305, or GOVT 2301 & GOVT 2306, or GOVT 2305 & GOVT 2306; 6 hours In social/behavioral science – Courses with prefixes ECON, CRIJ, GEOG, PSYC, SOCI, SOCW	18
<i>Total Texas Core Curriculum Semester Credit Hours</i>	42

Transfer of Credit

Credit for semester hours of work completed at another institution towards prerequisites for admission or in lieu of UTSD requirements must be approved by the Admissions Committee of the specific program to which the individual is applying. Official transcripts must accompany any request of transfer credit.

Registration

All students must register at the time designated in the Registration Schedule. Instruction will begin as scheduled. No student may attend class, laboratory, or clinic unless registered as a student in UTSD and all required fees have been paid.

Tuition and Fee Exemption

Continued receipt of a tuition and fee exemption and/or waiver is contingent upon the student maintaining academic levels to achieve satisfactory academic progress and not enrolling in or completing an excessive number of hours.

Tuition Set Aside for Financial Assistance

UTSD will inform students of the amount of their tuition set aside for financial assistance for students. The information will be included on their tuition bill or billing statement, printed receipt, or in an e-mail statement prominently displaying the notice regarding the specific amount that is required to be set aside by the institution.

Student Health Insurance Program

The University of Texas System Board of Regents mandates all students in the UT System to obtain health insurance. More information regarding Student Health Insurance is found in the UHealth General Information Catalog or online under Auxiliary Enterprises Student Insurance at <http://www.uth.edu/auxiliary-enterprises/insurance/index.htm>

STUDENT ORGANIZATIONS

Professional Organizations

Several organizations exist independently of UTSD to provide students the opportunity to become familiar with the activities of professional societies. These include the American Dental Education Association, the Texas Dental Association, the Greater Houston Dental Society, the Greater Houston Dental Hygienists' Society, the American Student Dental Association, the Hispanic Student Dental Association, the Zeb Ferdinand Poindexter Chapter of The Student National Dental Association, the Asian American Student Dental Association, Pediatric Education in the Dental Society, Christian Dental Fellowship, Muslim Dental Association, Student Research Group, the Donald Butler Society, Student Chapter of the American Dental Hygienists' Association, and the Texas Association of Women Dentists Chapter of the American Association of Women Dentists. For information on all UTSD, registered student organizations please visit <https://inside.uth.edu/academics/organizations.htm>

Student Governance Organizations

All students regularly enrolled at UTSD are members of the Student Association at UTSD, which coordinates a number of student-related activities. The Student Council serves as the governing body of the Student Association at UTSD. Members of the Student Council are elected from each class. Students may also participate in UTHealth student organizations such as the Student InterCouncil, or other registered student groups.

Honor Societies

Mu Mu Chapter of Omicron Kappa Upsilon (“OKU”), the national dental honor society, was established in 1940. This independent society provides recognition for those students who have been outstanding in their class during their four years of study at the UTSD. The members of the graduating class, who in the opinion of the faculty members of OKU warrant such consideration, are recommended to the active members of Omicron Kappa Upsilon for membership in the honor society. Election to membership in OKU is limited to no more than 12% of a graduating class.

Sigma Phi Alpha is the national dental hygiene honor society. Selection for membership is based on overall achievement during the two years in the Dental Hygiene Program. Membership is limited to no more than 10% of a graduating class.

Fraternities (Independent)

The Delta Upsilon Chapter of Psi Omega Fraternity was organized in 1913 and the Tau Tau Chapter of Delta Sigma Delta Fraternity in 1948.

THE SCHOOL OF DENTISTRY

UTSD offers a program that provides the student with the opportunity to qualify for the Doctor of Dental Surgery degree and for eligibility for licensure in the 50 states and the Territory of Puerto Rico.

The course of instruction includes basic sciences, behavioral sciences, preclinical sciences, and clinical sciences. The instruction in basic and preclinical sciences, along with initial clinical experiences, are the primary focus in the first two years of study, with more emphasis placed on clinical sciences during the latter two years.

Essential Skills for Dentists and Dental Hygienists

To be successful, dentists and dental hygienists must demonstrate cognitive skills in critical and logical/analytical thinking. Dentists and dental hygienists must possess and demonstrate psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing and tactile abilities) sufficient to master the clinical procedures essential in the treatment of dental disease.

All individuals who apply for admission and all individuals admitted to UTSD, without exception, must be able to perform essential functions, with or without reasonable accommodation. Essential functions are the basic activities that a student must be able to perform to complete the curriculum. An applicant who cannot perform the following essential functions will not be considered for admission nor permitted to continue in the program. Students can obtain information concerning program-related accommodations from the school’s Section 504 Coordinator. See also HOOP 101, Disability Accommodation.

Communication

Students must be able to communicate effectively with patients and patient family members, peers, staff, faculty and other members of the health care team. Communication requires the ability to assess all information provided by the patient including non-verbal responses, within safety-related timeframes. Students must be able to communicate in oral and written format that is succinct, organized and complete. These communications will include assessments, prescriptions and dental record notes. Students must be able to demonstrate sensitivity to cultural, emotional, and societal issues.

Sensory and Psychomotor Skills

Students must be able to gather patient information needed for a diagnosis through adequate visual, tactile, smell, and auditory senses. Students must have sufficient physical abilities and stamina to provide dental care and respond to emergency situations. Students must have the manual dexterity to execute both gross and fine motor movements required to provide dental care for their patients within the mandated time frame established by the curriculum and or licensing boards.

Cognitive Abilities

Students must have the cognitive abilities to master the dental curriculum, including the basic, behavioral, and clinical sciences. Students must be able to measure, calculate reason, analyze, synthesize, integrate, and apply information. In addition, students must be able to comprehend three-dimensional relationships and to understand the spatial relationships required to provide dental care. Students must be able to demonstrate critical thinking and problem solving and decision-making skills required in the practice of dentistry.

Behavioral and Social Attributes

Students must be able to demonstrate professional behavior and function with integrity and responsibility while maintaining a high ethical standard. In addition, the students must be able to demonstrate the ability to be compassionate, empathic, and tolerant. Students must be able to interact in a collegial manner and demonstrate the ability to participate in teamwork. Students must possess the emotional health required to use their intellectual abilities fully, such as exercising good judgment, promptly completing all responsibilities attendant to the diagnosis and care of patients, and developing mature, sensitive, and effective relationships with patients. Students must be able to tolerate physically taxing workloads and to function effectively under stress. Students must be able to adapt to changing environments, respond appropriately to unpredictable circumstances, and to display flexibility.

Chronic Conditions

Students must not be subject to any chronic or recurrent illnesses that would interfere with quality patient care or safety and that are not compatible with dental practice or training.

Education Requirements for UTHHealth School of Dentistry at Houston:

- Applicants must have completed a minimum of 90 semester hours (or 134 quarter hours) at a [regionally accredited](#) US or Canadian college or university.
- All undergraduate course requirements listed in the table below must have been completed at a regionally accredited US or Canadian university/college. Foreign coursework will not count towards meeting any of the prerequisites, even if transfer credit has been given for them by a US or Canadian school.
- Each required course, listed in the table below, must be completed with a grade of C or

better. Courses taken Pass/Fail or Credit/No Credit will not count towards meeting the requirement.

- Advanced placement credit is accepted only if the school granting the credit lists the specific course(s) and number of units granted per course on an official transcript. Lump sum credit is not accepted.
- Graduate courses **do not** satisfy the 90 hour requirement OR the required coursework.
- All required course work must be completed before OR by the time of enrollment into UTSD.
- Baccalaureate degrees are highly desirable. However, exceptionally mature students without a degree, who have outstanding academic records, superior performance on the respective admissions test and highly desirable personal qualifications, may be considered for admission.
- The prescribed course requirements are the **minimum** requirements for admission to UTSD. Applicants are best served to take additional upper-level course work so they are better prepared for the academic rigors of dental school.

Undergraduate Course Requirements

Courses for non-science majors or for health career majors (nursing, pharmacy, allied health sciences, etc.) **will not** satisfy the required coursework. All required coursework must be applicable towards a traditional science degree.

Biological Sciences 14 semester hours (12 semester hours of lecture & 2 semester hours of formal lab) or 21 quarter hours (18 quarter lecture hours & 3 quarter lab hours) of Biological Science are required.

Includes all Biological Science courses applied toward Baccalaureate degree in traditional science fields, such as General Biology, Biochemistry, Microbiology, Molecular Biology, Genetics, Ecology, Immunology, Parasitology and Anatomy & Physiology.

UTSD requires 3 semester hours (or 5 quarter hours) of Microbiology. This requirement will count toward fulfilling part of the 14 semester hour Biological Science requirement.

General Chemistry 8 semester hours or 12 quarter hours of General (Inorganic) Chemistry, as required for college science majors, including the corresponding laboratory experience are required. (8 semester hours = 6 hours of lecture & 2 hours of lab; 12 quarter hours = 9 hours of lecture & 3 hours of lab).

Courses such as **Physical Chemistry** and **Quantitative Analysis** may also satisfy the requirement.

Organic Chemistry 8 semester hours or 12 quarter hours of Organic Chemistry, as required for college science majors, including the corresponding laboratory experience are required. (8 semester hours = 6 hours of lecture & 2 hours of lab; 12 quarter hours = 9 hours of lecture & 3 hours of lab).

Biochemistry 3 semester hours or 5 quarter hours of Biochemistry are required. This requirement is in addition to the Biological Science requirement of 14 hours and may not be used to fulfill the Biological Science requirement.

The course may be taught in the **Biology, Biochemistry** or **Chemistry** department.

Physics 8 semester hours or 12 quarter hours of Physics, as required for college science majors, including the corresponding laboratory experience are required. (8 semester hours = 6 hours of lecture & 2 hours of lab; 12 quarter hours = 9 hours of lecture & 3 hours of lab)

Includes all physics courses applied toward a baccalaureate degree in any traditional science field.

English 6 semester hours or 9 quarter hours of college English are required.

Any course accredited by the English Department that fulfills a general education English requirement of a baccalaureate degree will be accepted. Remedial or developmental courses or "English As a Second Language" courses **ARE NOT ACCEPTED**.

Statistics 3 semester hours or 5 quarter hours of Statistics are required.

The Statistics course should be taught in a Math or Statistics Department.

Dental Admission Test:

In addition to the scholastic requirements for admissions, all candidates are required to take the Dental Admission Test (DAT). The DAT should be taken in the spring of the year in which the application is initiated. It is given at several testing centers in the state by the Division of Educational Measurements, Council on Dental Education of the American Dental Association. An application to take the DAT and a brochure describing the testing program may be obtained from the American Dental Association's [website](#) or by calling them at 312-440-2689.

Procedure and Criteria for Dental School Admissions

The Dental Admissions Committee at UTSD is composed of faculty members, student members, and ex officio members. The Dental Admissions Committee considers, selects, and recommends to the Dean applicants for admission to the D.D.S. program.

Applicants to be offered positions are selected through the collective judgment of the Dental Admissions Committee members. The decisions are made by evaluation of the record of the applicant and comparative study with other applicants' records that reflect academic qualifications and personal attributes that contribute to success as a dental professional. Qualified legal residents of Texas are given preference.

The members of the Dental Admissions Committee serve as a resource to applicants in all programs by 1) participating in a yearly pre-professional advisors conference; 2) making visits to area Texas colleges to provide information about dentistry and dental education; 3) conducting programs at the School of Dentistry for groups of applicants; and 4) participating in Health Career Days at Texas universities and colleges.

Initial screening factors considered by the Committee include:

Academic Achievement

- Overall grade point average
- Science grade point average
- Academic progression or regression
- Educational experience as reflected by the total credit hours

Aptitude for dentistry as predicted by the Dental Admissions Test (DAT).

- Survey of the Natural Sciences (Biology, Inorganic and Organic Chemistry)
- Reading Comprehension (Natural and Basic Sciences)
- Test of Perceptual Ability

Scores used in the Dental Admissions Testing range from 1 to 30. While there is not a “passing” or “failing” score, a score of 18.5 on the academic average was representative of average performance on a national basis in 2013. If the exam is retaken, only the most recent score is used in the applicant management model. The DAT Academic Average mean has been above 19 for recent entering classes.

Admissions Policy

The admissions policy of UTSD includes a wide variety of criteria, including qualitative and quantitative information, in evaluating applicants on an individual basis and making decisions on acceptance into the D.D.S. degree program. The admissions processes for the undergraduate Dental Hygiene certificate, Baccalaureate (B.S.) degree programs, and graduate Advanced Education Programs utilize a mix of cognitive and non-cognitive consideration factors that are similar to the Dental Education Program. The Dental Admissions Committee gives individual consideration to applicants. The Admissions Committee considers the application in its entirety and gives importance to the following factors:

- Intellectual capacity, based on consideration of undergraduate and graduate records; academic progression/regression; standardized test scores; academic awards and honors; a history of research accomplishments; degree of difficulty of undergraduate academic program; pre-professional evaluations; personal interview; and any other data submitted;
- Interpersonal and communication skills, based on consideration of community or charitable service, extracurricular activities and organizations; leadership positions; employment history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may have an impact on healthcare; expression of future goals in the written essay; statements made on the application or in the personal interview; and any other relevant considerations the student’s pre-professional advisors may present;
- Knowledge of the profession, based on consideration of an understanding of factors that have an impact on access to care, along with the social and financial implications; consideration of the implications of lifelong learning; and demonstrated significant effort in seeking knowledge regarding the practice of dentistry or participation in oral health promotion activities;
- Potential for service to the State of Texas, based on consideration of the applicant’s goals for the future; size and location of hometown and whether the applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or needed specialties; race/ethnicity as it relates to service to underserved and/or underrepresented populations; linguistic skills appropriate to the Health Professions Shortage Area the applicant wishes to serve;
- Motivation, based on consideration of success in overcoming adverse personal, economic or educational conditions; employment during undergraduate education; participation in activities requiring time management skills; experience in health-related activities; and heavier than normal academic course loads (16 hrs/semester);
- Integrity, based on consideration of professional evaluations; any academic integrity

violation; commission of a crime; any other relevant background relating either positively or negatively to the applicant's standard of integrity; and

- Essential skills, based on consideration of psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing and tactile abilities) sufficient to master the clinical procedures essential to the treatment of oral disease, with or without reasonable accommodation.

An interview is required before the Dental Admissions Committee will make a final determination regarding any applicant. Interviews are arranged by invitation only, and are conducted both for informational purposes of the Committee and to provide the applicant with information about dentistry and the School of Dentistry program. The interview is a substantive step in the admissions process and will be used to further investigate the criteria noted above. All interviews are conducted by an Admissions Committee member or designee. Interview candidates are scored by the interviewing committee member, and that score further contributes to the overall evaluation of the applicant.

The selection of the entering class is based upon the total evaluation conducted by the Dental Admissions Committee incorporating criteria listed above.

Criminal Background Checks

An offer of admission to any program at UTSD is expressly contingent upon the successful completion and review of a criminal background check, which is required prior to matriculation. The criminal background check will, among other things, serve to verify information provided in the Texas Medical and Dental Schools Application Service (TMDSAS) Application. Individuals who do not give permission to the conduct of the criminal background check or who fail to provide the report as required will be subject to withdrawal of the offer of admission to School programs.

Application and Acceptance Procedures

Application to UTSD may be made through the TMDSAS or the Associated American Dental Schools Application Service. Application is preferred through TMDSAS and is required of Texas resident applicants. Application information can be obtained from Texas Medical and Dental Schools Application Service, P.O. Box 2175, Austin, TX 78768. On-line application and information is available at: <http://www.tmdsas.com/>

The following requirements are stipulated for official consideration of an application for admission to the School of Dentistry

- Applications will be accepted only between May 1 and October 1 of the year preceding expected matriculation.
- Applications are processed by the Texas Medical and Dental Schools Application Service or American Associated Dental School Application Service
- The Texas Medical and Dental Schools Application Service or American Associated Dental School Application Service must receive:
 - All application forms, completed and signed where appropriate;
 - Official transcripts of courses and grades directly from all academic institutions attended;

- An evaluation of the applicant from the Health Professions Advisor, the Health Profession Advisory Committee, or from two academic professors of the applicant's choosing. If an Advisor or Advisory Committee is on the applicant's undergraduate campus, a letter from them is desired. A letter of evaluation is also required from a practicing dentist;
- DAT Scores;
- TMDSAS will charge a non-refundable filing fee, based on the number of schools to which you apply and Texas residency. If a doubt exists regarding your residency status, the application will not be processed unless a non-resident filing fee is submitted or until a determination of legal Texas residency can be made. If you submit a non-resident filing fee and it is subsequently determined that you are a resident of Texas, an appropriate refund will be made. If your residency status is questionable, it will be necessary for you to complete a Residency Questionnaire so that a residence determination can be made. The filing fees are published on the Texas Medical and Dental School Application Service web site: <http://www.tmdsas.com/>
- Photographs for each school and the Application Service;

The TMDSAS is operated for administrative purposes involving the application process. All actions on admission to a professional program are the prerogative of the admissions committees of the individual professional schools. All questions concerning the status of a completed application should be directed to the Office of Student and Academic Affairs of the School of Dentistry at sod.questions@uth.tmc.edu

Questions concerning the degree of completion of an application should be directed to the Application Service. Applicants are encouraged to monitor application completion on-line at <http://www.tmdsas.com/>

Non-resident students will be limited to not more than a certain percentage of the total enrollment per class established by the Texas State Legislature.

Transfer and Advanced Standing Applicants

UTSD classifies "transfer" students as applicants currently enrolled in good standing in dental schools accredited by the American Dental Association, and "advanced" standing applicants as graduates of dental schools not accredited by the American Dental Association. Both transfer applicants and advanced standing applicants will be considered for admission only if space is available in the appropriate second year class. No transfer will be accepted beyond the second year.

Requirements that govern the admission of transfer students are as follows:

- Official transcripts from all colleges and universities attended. Applicant must provide adequate translations (if applicable)
- DAT Scores
- National Board Scores (if applicable)
- A letter of recommendation from the Dean of the dental school in which the applicant is currently enrolled.
- Curriculum of the school attended must be compatible with that of UTSD. The transfer

student must ensure that documentation and analysis of program compatibility is provided by the institution attended by the transfer applicant.

- A personal interview is required before the Dental Admissions Committee will consider the completed application.

Requirements that govern the admission of advance standing applicants to the second year are as follows:

- Must not have been out of pre-doctoral dental school for more than five years at the time of acceptance or must have completed a two year postdoctoral program accredited by the American Dental Association within the past five years.
- Official transcripts from all colleges and universities attended. Applicant must provide adequate translations (if applicable).
- Must have passed Part I of the National Board Examination. Part II scores are considered if available.
- Applicants from countries where English is not the native language are required to submit scores on the Test of English as a Foreign Language (TOEFL).
- A letter of recommendation from the chief administrative officer of the college, university, or dental school in which the applicant was last enrolled.
- An interview will be required prior to an offer of admission. Those selected for interview by the committee will be notified.
- A skills assessment bench exam will administered during the interview process which includes a non-refundable fee and is required prior to an office of admission. Those selected to take the exam by the Committee on Admissions will be notified.
- No admission beyond the second year DDS class for the advanced standing.
- Students accepted as advanced standing participants will pursue the prescribed dental course of study and be required to complete satisfactorily published graduation requirements for Doctor of Dental Surgery candidates.

No plan for admission or reporting to The University of Texas School of Dentistry at Houston should be made until official notice of acceptance has been received.

Readmission

A student who voluntarily withdraws or is dismissed from the dental program and subsequently applies for readmission will be considered on an individual basis by the Dental Admissions Committee.

EXPENSES

Tuition

Beginning 2018-2019, the annual resident tuition is \$27,211; non-resident tuition is \$40,486. The tuition amount includes designated and differential tuition used for program enhancement, annual capital renewal, deferred maintenance, and bond retirement for the construction of new buildings. Attendance during any part of an academic year will require payment of full tuition subject to the refund provisions. Tuition for each academic year is due at the time of registration. Tuition and fees are subject to change according to the actions of the UTHealth or

UT System Board of Regents. Changes become effective when enacted.

Fees and Costs

Late Registration Fee: A \$25 fee will be required of those students not registering or paying on those dates designated in the school calendar.

Installment Use Fee: \$20 per term

Late Payment Fee: \$25 for each late installment (other than the initial payment)

Laboratory Fee: An annual laboratory fee will be \$50 for the first and second years DDS classes

Anatomy Course DENS 1512 Fee: \$500 for first year.

Graduation Fee: A graduation fee of \$100 payable at registration for the final academic term is required for dental students. Students who withdraw before graduation are entitled to a refund of this fee, if a diploma or certificate has not been ordered. This fee does not include regalia rental.

Technology Resource Fee: A fee of \$1,690 annually.

Information Technology Access Fee: A fee of \$108 annually for DDS Program or \$36 per semester for Dental Hygiene/Advanced Education Program.

Library Resource Fee: A fee of \$150 annually

Professional Liability Insurance Fee: The estimated fee is \$25 annually. It is mandatory all students purchase professional liability insurance through the institution designate.

Health Insurance: \$2,504 annually. Health insurance is required of all Health Science Center students. If you have your own health insurance policy, you may provide proof of comparable insurance coverage to Auxiliary Enterprises no later than the 12th class day to have this charge waived.

ASDA Fee: A fee of \$145 for first, second, third and fourth year students.

Student Services Fee: The Student Services Fee, required of all students, is \$566.25 per year. The fee provides student health services, counseling services, shuttle services, student governances and recreation facilities.

Simulation Fee: \$350 annually for DDS Program. \$175 annually for Dental Hygiene Program.

Student Record Fee: \$15 per year.

Instrument Rental Kit Fee for DDS Program: It is mandatory all undergraduate students participate in the dental instrument rental program. Estimated dental instrument rental fees for the 2018-2019 academic year are:

First Year Student	
<i>Instrument Kit rental fee</i>	\$1,575
Second Year Student	
<i>Instrument Kit rental fee</i>	\$1,575
Third Year Student	
<i>Instrument Kit rental fee</i>	\$2,500
Fourth Year Student	
<i>Instrument Kit rental fee</i>	\$2, 500

The instrument rental program does not provide all of the instruments required by the student. Additional instruments and supplies must be purchased by the student.

Registration is not complete and the student is not entitled to University privileges until all tuition and fees are paid.

Instruments, Supplies and Books

Students are required to purchase supplies, books, computer and some instruments necessary to complete the dental curriculum. Students should take into account the cost of these items when planning for financial support.

Textbook and supplemental materials information, including the maximum extent practicable the International Standard Book Number (ISBN) and retail price information, is available on the DDS Curriculum Web site. Visit the Website at: <https://dentistry.uth.edu/students/docs/1819utsdtextbooklist.pdf>

A School of Dentistry student is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online wretailer, at lower price than the price charged for that textbook by a university-affiliated bookstore.

Under a four-year plan, approximate costs, depending upon fluctuations in market price and changing needs in the curriculum, are as follows:

	Instruments and Supplies <i>(Purchased)</i>	Books <i>(Purchased)</i>
First Year	\$7191	\$1882
Second Year	\$4897	\$1503
Third Year	\$100	\$366
Fourth Year	\$555	\$0

The above includes the estimated cost for the 2018-2019 academic year. Costs for the 2019-2020 academic year have not been determined.

Financial Aid

UTSD has limited loan and scholarship funds. These funds may be available based on proven financial need and/or academic excellence. A student subject to selective service registration

will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue.

Financial Aid Application forms may be obtained from:

Office of Student Financial Services
The University of Texas Health Science Center at Houston
P. O. Box 20036
Houston, Texas 77225
(713) 500-3860
Website <http://www.uth.edu/sfs/>

The office is located at 7000 Fannin in the University Center Tower, Room 2220.

Loan Funds

- American Dental Association - American Fund for Dental Health
- Bob Bland Memorial Student Loan Fund
- David R. Yarbrough Memorial Student Loan Fund
- The Dr. and Mrs. Charles Hoopingarner Emergency Loan Fund
- The Dr. Edwin L. Smith Emergency Loan Fund
- Elfriede Overweg Fund for Needy Students
- The Mrs. Elna Birath Emergency Loan Fund
- The Dr. Frederick C. Elliott Emergency Loan Fund
- Health Education Assistance Loans
- Health Professions Student Loan Fund
- Houston N.W. Medical Center Hospital Auxiliary
- International College of Dentists Loan Fund
- Leo M. Levy Memorial Loan Fund
- Leonard I. Kercheval Memorial Loan Fund
- Loans for Disadvantage Students
- Memorial Student Loan Fund
- Mu Mu Chapter of Omicron Kappa Upsilon Loan Fund
- Perkins Loan Program
- PLUS/Supplemental Loan for Students
- Dr. Robert B. Everitt III Memorial Loan Fund
- Robert Wood Johnson Loan Fund
- Stafford Loan Program (formerly Guaranteed Student Loan Program)
- Texas HB 1147 Emergency Loan Fund/Resident
- Texas HB 1147 Emergency Loan Fund/Non-Resident

DDS Program Scholarships

UTSD is able to offer a limited number of competitive academic scholarships to each entering class of DDS degree candidates. These scholarships are made possible through the generous donations of the UTSD Alumni Endowment Fund, The Mu Mu Chapter of Omicron Kappa Upsilon Honorary Dental Society, and the Greater Houston Dental Society via the Daniel C. Kamas Memorial Fund. The scholarships, by direction of the sponsors, are primarily competitive academic scholarships, with the primary designation for superior academic performance and financial need. Additional criteria for scholarship consideration include all those factors utilized by the Admissions Committee in their selection process. The Daniel C. Kamas Scholarship requires the designation of one male and one female recipient per year. The award of scholarships is determined by the scholarship subcommittee of the Dental Admissions Committee, contingent upon approval by the Admissions Committee and the Dean. Award of scholarships on an annual basis is dependent upon funding by the supporting organizations.

Several Endowed Scholarships are also available to predoctoral students at the UTSD. Each is listed separately below along with the endowment requirements for award:

- **Women of Rotary Scholarship**
The endowment was established by the Women of Rotary Club of Houston. The endowment stipulates that recipients will be selected by the School of Dentistry Dean based on financial need and excellence in academic and clinical pursuits, subject to approval of the Women of Rotary Membership. Further, the Women of Rotary Club reserve the right to alter the terms of this endowment with regard to the amount of funds to be distributed or the designated recipients in the future. The scholarship is generally awarded to a third year predoctoral student.
- **Frederick C. Elliott/Severin Knutson/Rupert Estel Hall Dental Student Scholarship Fund**
The endowment was established to fund scholarship for UTSD students requiring financial assistance. The endowment allows for naming of recipients by the Dean based upon scholastic excellence and financial need. All dental students are eligible to be considered for this award. The award is only made when endowment performance allows for a minimum award of \$1,000.
- **The Ronald V. Glauser, D.D.S. Endowed Scholarship**
The endowment was established to fund scholarships for UTSD students requiring financial assistance. The recipient of the award is to be named by the Dean with the express criteria of financial need. All predoctoral dental students are eligible for consideration of this award. The award is only made when endowment performance allows for a minimum award of \$1,000.
- **The Moritz and Judith Craven Scholarship**
The endowment was established by Drs. Moritz and Judith Craven via a foundation to fund scholarships for students enrolled at the School of Dentistry. The recipient is nominated by the Dean for consideration by the selection committee.
- **Alliance of the Texas Dental Association Endowed Memorial Scholarship Fund**
The endowment was established to fund scholarship for the UTSD students requiring financial assistance. The recipient of the award is to be named by the Dean with the express criteria of financial need. All predoctoral dental students are eligible for consideration of the award. The award is only made when endowment performance allows for a minimum award of \$1,000.

- **Corina Diaz, DDS and Walter Bajsel Endowed Scholarship Fund**
 The endowment was created to support students in a UTSD doctoral program, based on a combination of financial need and academic achievement, as determined by the Office of the Dean, with the recommendation of the Office of Student and Academic Affairs.
- **Dr. Donald Charles Kroeger Student Research Scholarship**
 The endowment was created by the heirs of Dr. Donald C. Kroeger, and is awarded competitively to a DDS student with academic excellence in basic sciences/ pharmacology and basic science research. The decision of award comes from the Department of Dental Research, upon recommendation of the Kroeger scholarship committee.
- **Dr. Edgar H. Boelsche Scholarship**
 This scholarship was created by Margaret New Boelsche in memory of her husband, Dr. Edgar H. Boelsche of Ballinger, Texas. The award is based solely on the financial need of the student, as recommended by the Office of Student and Academic Affairs to the Dean of the School of Dentistry.
- **Erbert W. “Danny” D’Anton, DDS, Memorial Scholarship Endowment**
 The endowment was created in memory of Dr. D’Anton, a longtime member of the faculty. The scholarship is awarded to students based on academic standing as determined by the Office of the Dean, with the recommendation of the Office of Student Affairs.
- **T. Bradford Willis Scholarship in Pediatric Dentistry**
 The scholarship was created by School of Dentistry Alumnus T. Bradford Willis, DDS, of Waco, Texas. The award is made to predoctoral students beginning their fourth year of study who have displayed the most interest, knowledge, and proficiency in pediatric dentistry during their third year. Preference is given to residents of the State of Texas.
- **President James T. and Nancy Beamter Willerson Endowed Scholarship in the School of Dentistry**
 The scholarship was created in honor of former UTHealth President Dr. James T. Willerson and his wife, Nancy, for students in good academic standing at the UTSD. All predoctoral students are considered for this scholarship, as recommended by the Office of Student and Academic Affairs to the UTSD Dean.
- **Iola B. and James R. Ballinger, DDS, Scholarship in General Dentistry**
 The scholarship was created by a gift from Dr. James Ballinger of Weimar, Texas, for students already enrolled at UTSD who demonstrate a superior interest, knowledge, and proficiency in general dentistry in their previous academic year, and have a recognized financial need for support during their time at the school.
- **Kinnari M. Prajapati, DDS, Scholarship Fund**
 The scholarship was created by UTSD graduate Kinnari M. Prajapati, DDS, of Temple, Texas, to provide scholarships to third-year students in general dentistry who demonstrates a superior proficiency and knowledge as displayed in their previous year of study.
- **Carus Dental Scholarship Fund**
 The scholarship was created by a gift from American Dental Partners Foundation of Wakefield, Massachusetts, and at the discretion of the UTSD Dean, provides awards

to third- or fourth-year predoctoral students in good standing who display attributes of a professional capable of entering a dental group practice with the appropriate skills of teamwork, clinical experience, qualities of leadership, and ethical and professional behaviors.

- **Dr. Kenneth H. Porter Operative Dentistry Scholarship**

The scholarship, created in memory of longtime faculty member Kenneth H. Porter, D.D.S., provides scholarships to students in good academic standing who present appropriate skills in operative and restorative dentistry, and who exhibit a work ethic in his/her approach that indicates an aptitude for dentistry beyond academic measurement. The recipients are selected with the approval of the UTSD Dean.

- **Foster-Vance Dental Scholarship**

The scholarship, created by gifts from James R. Foster, DDS, and T. Beth Vance, DDS, of Weslaco, Texas, will provide for support of students in their third or fourth year of predoctoral study who show academic promise and interest in the area of pedodontics. The award will be made, when possible, to qualified students from the South Texas area, as defined by UTSD, and as directed by the UTSD Dean.

- **Glenn T. Housholder Competitive Academic Scholarship**

The scholarship, created by a gift from Dr. Glenn T. Housholder, will assist students with the cost of education. Her financial gift will continue to nurture both female and male dental professions for decades to come. The scholarship is awarded to students based on academic standing as determined by the Office of the Dean, with the recommendation of the Office of Student and Academic Affairs.

ACADEMIC STANDARDS

Grading System

Passing: Final course grades are numerical. A grade of 70 or above is considered passing; students are required to obtain a passing grade in every course. An overall average of 76 for all course work during each year must be maintained for promotion and graduation.

Failing: A course grade of 69 or below is considered failing. Failure of any course during any semester or failure to maintain a passing status may result in repetition of a course, repetition of an academic year, dismissal, or other action. Failure of more than one course in any semester may result in dismissal. If repetition or other remediation is approved by the respective Student Evaluation and Promotion Committee, only one attempt may be made to improve the grade (absent compelling circumstances).

If a student successfully remediates a course by obtaining a minimum grade of 70, the student will receive a grade of 70. Students receiving a grade of less than a 70 for remediation will receive the failing grade. Students who are unsuccessful in their attempt to remediate a course failure will be subject to appropriate academic action by the Student Evaluation and Promotion Committee.

Registration: Qualification for registration requires that each student satisfy institutional policy with respect to successful completion of courses, clinical procedures, and grade averages. Registration may be denied if stated requirements have not been fulfilled.

Progress Evaluation and Academic Actions

UTSD Student Evaluation and Promotion Committee consists of four subcommittees: The First Year Dental Student Evaluation and Promotion Subcommittee, the Second Year Dental Student Evaluation and Promotion Subcommittee, the Third/Fourth Year Dental Student Evaluation and Promotion Subcommittee, and the Dental Hygiene Student Evaluation and Promotion Subcommittee. Each Subcommittee has a Chairperson. One of the four Chairpersons also serves as Chair of the School of Dentistry Evaluation and Promotion Committee.

Student progress is evaluated at least five times annually by the respective Student Evaluation and Promotion Subcommittee. This committee is charged with reviewing student progress and recommending action to the Associate Dean for Student and Academic Affairs. The ultimate decision in matters of academic standing lies with the Dean based on recommendations of the respective Student Evaluation and Promotion Subcommittee (and any ad hoc Appeals Committee, if appropriate), and the Associate Dean for Student and Academic Affairs. The respective Student Evaluation and Promotion Subcommittee base its recommendation on the following academic criteria:

- Didactic performance
- Preclinical lab performance
- Clinical performance
- Course failure
- Professional Development, professionalism, and ethical conduct

Students who fail to perform satisfactorily in any of the above listed areas will be recommended for corrective action to the Associate Dean for Academic Affairs by the respective Student Evaluation and Promotion Subcommittee. These students will receive written notification defining their deficiencies and the corrective action they must take, if any. Failure to meet standards established in any corrective action plan will result in further academic action, including dismissal.

End of Fall Semester Evaluation: At the end of the Fall Semester, every student is expected to have successfully completed all courses and clinic expectations for the Fall Semester with a cumulative average of 76 or above.

End of Year Evaluation: At the end of an academic year, every student is expected to have successfully completed all courses and clinic expectations for the year with a cumulative average of 76 or above.

Students who exhibit exemplary professional behavior and whose academic performance ranks them in the upper 10 percent of the semester, based on the semester GPA, will be considered for the Dean's Student Excellence List.

Promotion: In order to be considered for promotion, a student must maintain a minimum cumulative grade average of 76 with successful completion of all courses and clinical expectations for a given year as outlined in course syllabi, the Student Guide to Academic Studies, Clinical Procedures and Operation Manual, and School of Dentistry Catalog.

Examinations

Clinical, laboratory, and course examinations may be administered each semester to provide both students and faculty the opportunity to evaluate the student's level of achievement. The date and time of examinations are published in course syllabi and student schedule.

Students are expected to complete the Doctor of Dental Surgery Program in four academic years. Due to extenuating circumstances, including leaves of absence, repeating a year, clinical activities, and academic performance, students may need more than four academic years to complete the program. If additional time to complete the program is granted, the program must be completed in no more than six academic years from the time of a student's initial enrollment. Under extremely unusual circumstances, a student may petition in writing for an exception to this policy. The petition must be sent to the Associate Dean for Student and Academic Affairs; the request shall be reviewed by the Dental Student Evaluation and Promotion Committees; the decision of the Committees is final.

Appeal Process

A UTSD student may appeal any academic corrective action and/or recommendation of dismissal by an Evaluation and Promotion ("E & P") subcommittee to the Associate Dean for Student and Academic Affairs, in writing, within three calendar days after receipt of notice of the academic action. The student must provide the Associate Dean for Student and Academic Affairs a "complete" appeal, which includes at least a written statement clearly explaining all rationale for the appeal and any additional documentation the student possesses that the student believes supports the student's rationale for the appeal.

The Associate Dean for Academic Affairs will refer each complete appeal to an Ad Hoc Appeal

Committee (“Appeal Committee”). The Office of the Associate Dean for Student and Academic Affairs will assist by scheduling the meetings of the Appeal Committee.

- The Chair of the Appeal Committee will be selected and appointed by the School of Dentistry Committee on Committees and approved by the Faculty Senate (an alternate Chair will also be selected from among the faculty of the School of Dentistry). The Chair will preside over the Appeal Committee. The length of the Chair’s term will be three years. The alternate will preside over the Appeal Committee in the event that the Chair is unable to attend.
- The Appeal Committee will be made up of the chairs of each of the E & P subcommittees not involved in the academic action being appealed. Vice chairs of the E & P subcommittees may serve in this role in the event a subcommittee Chair is unable to participate. In addition, an additional member of the Appeal Committee will be selected by the Associate Dean of Student and Academic Affairs from among School of Dentistry faculty. This member of the Appeal Committee cannot be the student’s faculty advisor or a member of the E & P subcommittee making the decision being appealed.
- Each of the Appeal Committee members will have one vote. In the case of a tie vote, the Chair of the Appeal Committee will vote to break the tie.

The Appeal Committee will review the student’s written statement and documentation, if any, submitted by the student, meet with the student, the student’s faculty advisor, the Chair of the E & P subcommittee taking the academic action being appealed, and other individuals at the discretion of the Chair of the Appeal Committee. The Chair of the Appeal Committee shall submit a final recommendation to the Dean within seven calendar days of the final Appeal Committee meeting. The Dean shall consider the recommendation of the Appeal Committee, may review the materials submitted to the Appeal Committee, and may interview other individuals. At his or her discretion, the Dean may meet with the student. The student will be notified of the Dean’s decision within 10 calendar days after the Dean’s receipt of the Appeal Committee recommendation. The Dean’s decision regarding the academic action of the E & P subcommittee is final.

The student, upon written request to and approval in writing from the Associate Dean for Student and Academic Affairs, may continue academic studies while the appeal of an academic action is under review and until the student receives notification of a final decision by the Dean.

If after the appeals process is completed an academic action of dismissal is upheld, a dismissed student must immediately discontinue participating in all School of Dentistry educational activities. All personal belongings must be removed from the School of Dentistry facilities immediately upon following receipt of the final decision of the Dean.

Graduation Requirements

In order to be eligible for graduation, a student must complete the following requirements:

- Successful completion, of the School of Dentistry curriculum as validated by the departments, the Student Evaluation and Promotion Committees, and the Administration.
- Maintenance of a minimum cumulative grade average of 76 for didactic courses.
- Maintenance of a minimum cumulative grade average of 76 for preclinical laboratory courses.
- Maintenance of a minimum cumulative grade average of 76 for clinical courses.

- Satisfactory completion of all required competency examinations.
- Satisfactory completion of all extramural rotations.
- Satisfactory completion of a minimum of four semester hours of Electives and satisfactory completion of two School of Dentistry Continuing Dental Education Courses.
- Passing score on Part I and II of the National Board Dental Examinations.
- Payment of all outstanding fees and return of all loaned equipment.
- Sustained record of satisfactory moral, professional, and ethical behavior.

CURRICULUM

The dental curriculum has been designed to maximize the student's learning experience. There is intentional integration of the various disciplines to aid the student in assimilating the knowledge base necessary for developing a sound decision-making process and the technical skills necessary in dentistry. The building blocks of this model are the various courses, laboratories, and clinics offered at the School of Dentistry.

Each course is overseen by a course director, who has the responsibility of organizing the educational material contained in the course as well as the efforts of the other faculty who act as course contributors. The ultimate responsibility for each course lies with a specific department chairperson (usually the chairperson of the department of which the course director is also a member).

Each course utilizes a variety of educational instruments to aid the student in learning. These may include traditional lectures, textbooks, and other printed materials, non-printed media accessed through Canvas (the school's learning management, web-based interface), and other web-assisted instruction.

Each of the courses in the curriculum is overseen by a specific department chairperson. The School of Dentistry academic departments are as follows: **Diagnostic and Biomedical Sciences, Endodontics, General Practice and Dental Public Health, Oral and Maxillofacial Surgery, Orthodontics, Pediatric Dentistry, Periodontics and Dental Hygiene, and Restorative Dentistry and Prosthodontics.**

The educational program in the School of Dentistry continues throughout the calendar year with approximately four (non-consecutive) weeks off in the Summer, three weeks at the end of the Fall Semester and one week during the Spring Semester.

Courses of Instruction / Description

Courses of instruction are identified by an eight-character number. The first four characters indicate the type of course and semester. The first digit indicates the year, the second and third digits indicate the department and section, and the last digit is a unique number assigned to each course in the respective department and section.

Note: Course descriptions are intended to represent skills and knowledge that should accompany successful completion of the course and should not be construed as a guarantee or warranty by UTHHealth of the required level of achievement by every student.

First Year

DENS 1504 *Neurosciences* **3.5 cr**

This course covers the aspects of the structure and function of the Central Nervous System (CNS) essential for understanding neurologically-related clinical problems, including cranial nerve disorders, neurological syndromes, mechanisms of pain production and perception and the neurophysiology of mastication and occlusion. At the conclusion of this course, the student should be prepared for detailed study of the medications affecting the nervous system, and for consulting with physicians with respect to patients suffering from neurological disease.

DENF 1510 *Biomedical Science Core* **6.0 cr**

The course is designed to present foundational knowledge starting with biochemical building blocks and proceeding to the cell and tissue levels. The course will integrate biochemistry, general histology, anatomy, and physiology.

DENF 1511 *Oral Biology I* **4.0 cr**

The course is designed to present a roadmap of the oral cavity, looking at a broad integrated view of the oral anatomy, oral histology, saliva, clinical and oral immunology, embryology, and oral microbiology.

DENS 1512 *Head and Neck Anatomy* **4.0 cr**

The course will be lecture and dissection of the head and neck region with an emphasis upon the acquisition of critical knowledge for a practicing dentist. Course Fee \$500.

DENS 1513 *Human Biology* **4.0 cr**

This course integrates the anatomy, histology, and physiology of the major system of the human body and how these topics interrelate in a healthy individual.

DENS 1514 *Oral Biology II* **1.0 cr**

This course provides in-depth information on oral histology and the temporomandibular joint.

DENF 1543 *Clinical Applications I* **2.5 cr**

The course is designed to be a small group learning opportunity for student to correlate topics presented in the Biomedical Science Core and Oral Biology I course as well as other dental courses, through case based discussions and projects

DENS 1544 *Clinical Applications II* **2.5 cr**

The course is designed to be a small group learning opportunity for student's to correlate topics presented in Head and Neck Anatomy, Neurosciences, Human Biology and Oral Biology II as well as other dental courses, through case-based discussions and projects.

DENU 1561 *Principles of Pharmacology* **1.0 cr**

This course relates to the study of the basic principles of how the body responds to and reacts to administered agents. This course is composed of three subtopics: Pharmacodynamics; Pharmacokinetics and Pharmacotherapeutics.

DENU 1562 *Local Anesthesia* **1.0 cr**

This course is essential for the performance of a great majority of the clinical procedures students use in treating patients throughout a career. The goal is for students to learn the pharmacology and toxicology of dental local anesthetic drugs and the proper techniques for their administration.

DENF1601 *Dental Anatomy I* **2.0 cr**

Knowledge of dental anatomy and occlusion is fundamental in the study and practice of all the disciplines of dentistry. It is essential in diagnosis, treatment planning, and treatment. Students are required to learn the anatomical and morphological characteristics of the teeth and their supporting structures, inter-arch and intra-arch relationships and eruption. Combined with the complementary lab courses, students will be able to fabricate dental restorations that meet anatomical, morphological, and functional requirements. This course also provides preparation for the Dental Anatomy and Occlusion section of the National Board Dental Examination-Part 1.

DEPF 1602 *Dental Anatomy Lab I* **1.0 cr**

In this lab course, students will have the opportunity to learn the psychomotor skills and develop the judgment required to restore teeth. Dental inlay wax will be manipulated to restore missing tooth structure to prepared teeth, so that the restored teeth meet morphological and functional requirements. Students will learn to evaluate a wax-up in four aspects: marginal integrity, surface finish, anatomic form, and occlusal relationship.

Students will have the opportunity to learn how the Whip Mix Articulator functions and how to set the anterior guide table to match the anterior guidance of models mounted on the articulator. Students should acquire basic concepts of dynamic and static occlusal relationships, and learn how to apply these concepts in the fabrication and evaluation of restorations.

DEPS 1604 *Dental Anatomy Lab II: Occlusion Lab* **2.0 cr**

In this lab course dental inlay wax will be manipulated to restore missing tooth structure to full crown preparations of selected anterior and posterior teeth. For each preparation, students fabricate a full crown wax pattern that meets anatomical, functional and restorative requirements. Student evaluates each wax-up in four aspects: marginal integrity, surface finish, anatomic form, and occlusal relationships.

DEPS 1614 *Operative Dentistry I* **4.0 cr**

This course prepares the student to transfer knowledge and skills pertaining to operative dentistry procedures (silver amalgam restorations, composite resin restorations and current bonding systems, techniques) from the dentaforms on the laboratory bench to the clinical setting on a patient. Students will perform the operative procedures on dentaforms mounted in the Kavo heads utilizing direct and indirect vision to simulate clinical operative dentistry procedures. Students will learn how to position the head, the chair, and hand positions for handpiece and instrument utilization that will enable students to perform operative restorative procedures within the Kavo head that simulates the restricted working area of the oral cavity on a patient.

Students will also be introduced to advanced composite resin restorations and the techniques and fabrication procedures involved in their application. Students will learn the correct technique for utilization of a current bonding system as well as becoming knowledgeable regarding the rationale of effective bonding.

DENF 1621 *Ethics in Dentistry* **0.5 cr**

This course helps students understand the place of ethics in professional life, to recognize when an ethical problem exists in the performance of academic work, clinical treatment, or research, and to have the capability of analyzing and addressing the problem. The monograph articles represent a diversity of views that relate to the series of ethical issues raised in class discussions. This course seeks to emphasize that ethics is a working discipline to help a dentist understand how to make critical decisions, and how to take appropriate and logical actions in

dealing with patients, colleagues, and society.

DEBD 1624 *Business of Dentistry I* **1.5 cr**

Business of Dentistry I is designed to begin the educational process of the student in business concepts and definitions related to dentistry. This course includes an introduction to the principles and practices of personal finance, and allows the student to begin to create his/her individually customized strategic plan for a successful career in dentistry, with additional and continuing focus on professionalism, critical thinking, and problem solving.

DENF 1651 *Foundational Skills for Clinic I* **1.0 cr**

This course will introduce students to foundational skills needed in the clinical setting. Students have the opportunity to learn the importance of infection control and the practical maintenance of barriers to infection in the operator. Students gain an awareness of the Health Insurance Portability and Accountability Act (HIPAA) and its impact on clinical activities as it relates to patient privacy and confidentiality. Students learn the proper methods of taking and evaluating vital signs. Students are introduced to the principles of fourhanded dentistry, communication skills and the proper positioning of operator and patient in the Dental Auxiliary Utilization clinic. Students learn how to evaluate and treat a patient who sustains cardiac arrest or an airway obstruction in the dental office through the techniques of CPR and Foreign Body Airway Obstruction. Students learn to recognize the early warning signs of a heart attack and the lifestyle changes that may help prevent cardiac arrest. Students learn to arrange the clinic cubicle in a manner promoting efficiency during treatment. Students participate in four-handed dentistry, reinforcing pre-clinical learning, by assisting an upperclassmen or post-graduate resident chair-side. Students prepare the clinic cubicle according to infection control guidelines for the treatment of a patient, and break down the cubicle after the session. Students practice proper infection control standards during each chair-side assist. Students obtain accurate vital signs on patients. This course will prepare students for DENF 2704 Introduction to Clinic.

DENS 1652 *Foundational Skills for Clinic II* **1.0 cr**

Students will continue to build on the concepts learned in Foundational Skills for Clinic I course.

DENF 1672 *Biomaterials I* **1.5 cr**

This course provides an applied science foundation for understanding important physical, chemical, and mechanical properties of dental materials. The effects of composition and manipulation on the properties and clinical success of selected dental materials will be emphasized. Appropriate biological properties will be described.

Laboratory sessions are designed to familiarize the student with the handling of dental materials that will be used in the UTSD preclinical laboratories and clinics, as well as in their eventual professional practice. Upon successful completion of this course, the student will know how the composition and manipulation of selected dental materials affect their properties and clinical success.

DENU 1703 *Oral and Maxillofacial Radiology* **1.5 cr**

This course introduces students to the basic principles of oral and maxillofacial radiology. The radiographic examination plays an integral role in the diagnostic process in dentistry in conjunction with the clinical examination. Only those conditions and disease states which are detected by examination of the patient can be addressed. The preclinical laboratory sessions are designed to perfect the student's technical skills and familiarize them with the variability of normal radiographic anatomy.

DENU 1704 *Introduction to Clinic* **2.0 cr**

This course introduces students to the clinical environment and familiarizes them with the steps in doing a comprehensive exam. In addition, it allows students to develop and interpret basic diagnostic aids that enable them to arrive at a diagnosis and treatment outline. Students also become familiar with techniques used to perform a prophylaxis. This course guides students through the process necessary to collect information, interpret that information, and use it in formulating a diagnosis and develop a treatment plan.

DENU 1721 *Perio I: Diagnosis & Treatment Planning* **1.0 cr**

This course reviews and expands the student's knowledge regarding the biology of the healthy periodontium. It also introduces students to current classifications of periodontal diseases and fundamental knowledge of the epidemiology, etiology, microbiology and immunology of periodontal diseases. Basic information is integrated with necessary clinical skills to evaluate and diagnose all currently recognized forms of periodontal diseases. This includes the ability to recognize the less common forms of gingivitis and periodontitis and those systemic condition forms of which may influence the initiation, progression, or treatment of periodontal diseases.

DENS 1931 *Basic and Applied Nutrition* **1.0 cr**

This course helps students acquire a basic understanding of human nutrition in the context of oral health and disease. It is recognized that the oral cavity is part of the total body system; many fundamental concepts which apply to overall health must be considered in the context of this course. Students are expected to be able to apply the concepts learned in this course to patient diagnosis and treatment planning taught later in the curriculum.

Topics in this course include the basics of nutritional assessment, nutrients as an energy source, carbohydrates, lipids and proteins in food, weight control, vitamins and minerals, and the application of basic nutrition to clinical treatment. An explosion of new information concerning the role of human genetics in nutrient utilization is in progress. New genes are being identified that control basic metabolism, and which may account for much of the individual variation in body form and metabolism. Students are encouraged to develop the habit of lifelong learning, and as health professionals, to continue to incorporate new discoveries into their daily practices.

DENF 1934 *Introduction to Population Health* **1.5 cr**

This course will provide students with the necessary information and skills to plan and implement oral health prevention programs. It will emphasize health promotion and prevention at the community and individual levels. This course attempts to make students aware of how cultural traditions and socioeconomic status influence the way individuals seek oral health care. To affect this awareness, students provide oral health promotion and prevention programs for selected schools, community health centers, and community groups. The Greater Houston Area Health Education Center (AHEC) will help identify sites that reflect the diverse cultural, ethnic, racial, and social makeup of the state of Texas.

Instructional methods used in this course are lectures and service-learning activities. The service-learning activities provide both a community service and an opportunity for student reflection via the use of group discussions, journals, and oral presentations. Through a partnership with the AHEC, students are assigned a community site where they will plan and present oral health education programs. The structured community outreach gives students a chance to explore their values, gain knowledge and appreciation of diverse communities and their cultural traditions, and develop a better understanding of oral health needs of populations.

This course provides students with the background information for the community oral health presentation they will make in DENU 1704, Introduction to Clinic.

DENF 1991 *Introduction to Dental Informatics* **0.5 cr**

This course offers an introduction to dental informatics and the technological environment of the School of Dentistry, the information resources to which students have access, and the fundamental skills necessary to navigate within this environment. Dental informatics is the study of how health related information is collected, stored, communicated and presented to enhance patient care and discovery. The course includes an emphasis on understanding the critical role of data and information in dentistry. The course reviews the concepts of clinical decision-making, critical thinking skills, clinical effectiveness, evidence-based dentistry, and the ability to retrieve and critically evaluate information resources.

Using a combination of lectures, demonstrations, and an online approach (Canvas), students will complete course readings, tutorials, and exercises.

This course should give each student a broad understanding of dental informatics information resources and familiarity with clinical technologies available to the dental professional. Using the principles of evidence-based dentistry and the critical thinking processes introduced in this class, students are able to analyze various information resources and evaluate them appropriately. The skills gained in this course should be applied by the student in basic science, behavioral science, and clinical courses throughout their tenure as students at the School of Dentistry. Dental informatics should provide the foundation for an active learning process both in dental school and in the future as dental practitioners.

Second Year

CLIN 2502 *Second Year Fall Clinic* **2.0 cr**

This course serves as an opportunity for students to gain experiences necessary to provide clinical care to patients. Students will have rotations that provide experience with virtual patients, community rotation, provide anesthesia and work in a mentored environment within their assigned group practice. Students will begin actual treatment of patients as they are assigned appropriate clinical cases.

CLIN 2503 *Second Year Spring / Summer Clinic* **2.0 cr**

In this course students are expected to gain experience and knowledge in the following clinical areas: electronic patient record (EPR), infection control, diagnosis and treatment planning, radiology, periodontics, anesthesia, and operative dentistry.

The Second Year clinical experience is enhanced by the student's knowledge gained through the basic science courses as well as the pre-clinical didactic and laboratory courses.

DENF 2564 *Dental Therapeutics* **2.0 cr**

The course is designed to provide knowledge of drugs commonly used in the treatment of dental disease. Students will also study drugs primarily used in medicine, which fit in the same categories as dentally used drug, whenever it is appropriate. Topics include antibiotics, autonomic drugs, pain and anxiety control drugs, inflammation and anti-inflammatory drugs, anticaries and antiplaque agents. Principles and application of prescription writing are integrated throughout the course.

DEPF 2614 *Operative Dentistry II: Simulation* **4.0 cr**

This course prepares students to transfer knowledge and skills pertaining to operative dentistry procedures (silver amalgam restorations, composite resin restorations and current bonding systems, techniques) from the dentafoms on the laboratory bench to the clinical setting on a patient. Students perform the operative dentistry procedures on dentafoms mounted in the Kavo heads utilizing direct and indirect vision to simulate clinical operative dentistry procedures. Students learn how to position the head, their chairs, and hand positions for handpiece and instrument use enabling students to perform operative restorative procedures within the Kavo head simulating the restricted working area of the oral cavity on an actual patient. Students are also introduced to advanced composite resin restorations and the techniques and fabrication procedures involved in their application. Students will have the opportunity to learn the correct technique for use of a current bonding system and become knowledgeable regarding the rationale of effective bonding.

DEBD 2624 *Business of Dentistry II* **1.5 cr**

This course continues the assignments/projects pertaining to the business vocabulary and concepts of dentistry, as well as individually tailored out-of-school assignments. Students will complete reports regarding the visiting of dental practices, dental office supply companies, financial lending resources, accountants, commercial lease brokers, and other “business team professionals”. These practical out-of-school experiences are supplemented by lectures from faculty and guest speakers who work and/or have expertise in professional areas of business.

DENF 2705 *Pathobiology* **6.0 cr**

The course is designed to provide foundational knowledge of the etiology, pathogenesis, morphologic changes, and functional consequences of pathologic processes. The course will encompass the general principles and mechanisms of diseases, as well as the pathologic mechanisms of the various organ systems.

DENS 2706 *Oral Diseases* **4.0 cr**

The course is designed to present a comprehensive background on a wide variety of diseases that affect the oral and maxillofacial regions. Information necessary to identify and manage disease in a private practice setting will be provided. Case based discussions will support the didactic instruction.

DEPS 2712 *Endodontics I: Simulation* **2.0 cr**

This course provides practical preclinical experience in performing a nonsurgical root canal treatment on uncomplicated anterior, premolar, and molar teeth, and prepares students in the management of pulpal and periradicular disease through a series of classes and laboratory sessions, including various simulation projects. Problem-solving skills, critical-thinking, patient-simulation, radiology, and self-assessment criteria are emphasized throughout the course.

DENF 2722 *Periodontics II: Nonsurgical Periodontics Therapy* **1.0 cr**

This course introduces students to the basic principles of periodontal therapy. The core of the course emphasizes the initial phase of periodontal treatment and exposes students to the basic techniques used to eliminate the etiologic factors involved in the development of inflammatory periodontal diseases. Additionally, students are introduced to occlusion as it relates to the nonsurgical phase of periodontal therapy. Clinical decision criteria are presented in order to familiarize students with the concepts of maintenance of periodontal health. Scaling and root planning are taught to students through sessions and a laboratory exercise. This laboratory exercise emphasizes skills essential to scale and root plane periodontally affected teeth.

Students should also become familiar with the sequence and phases of periodontal therapy,

have the opportunity to understand the rationale for the elimination of etiologic factors to control the most common forms of periodontal diseases, and be able to reevaluate periodontal tissues and develop a periodontal treatment plan. Students should learn the clinical skills necessary to correctly use periodontal instruments utilized for the elimination of plaque and calculus, to understand the significance of occlusion in the treatment of periodontitis. Most importantly, students should understand the significance of evaluating periodontal tissues and be able to make clinical decisions whether to improve or maintain the periodontal health obtained after therapy.

DENS 2801 *Preclinical Oral and Maxillofacial Surgery* **1.0 cr**

This preclinical course introduces students to oral and maxillofacial surgery and prepares them for clinical experience with dentoalveolar surgery. Students will have the opportunity to learn to thoroughly assess patients and to effectively diagnose and treat basic oral surgical problems encountered in general practice.

Students are exposed to the basic principles of surgery, especially oral surgery. This course emphasizes the concepts of patient management: medical and dental history taking, review of systems, tissue handling, and wound repair. Students learn basic surgical principles associated with uncomplicated and complicated exodontia, soft tissue mucoperiosteal flap design, aseptic technique, and surgical armamentarium. Other areas of emphasis include assessing the importance of vital signs and assessing bleeding disorders as they relate to the surgical patient. The informed consent process and medicolegal issues are presented in the context of the clinician's duty and responsibility as it relates to standard of care issues and the surgery patient. This course also teaches students to develop an organization of thought in patient/case presentation.

DENS 2804 *Essentials of Medicine I* **3.0 cr**

The course is design to prepare students to recognize the physical signs of systemic disease while learning the essential techniques of medical history and physical. Students learn to collect adequate information of factual information, correlate and analyze clinical and radiographic findings, establish a differential diagnosis and develop a dental management plan based upon the patients treatment needs. Pathology, pathophysiology, medical pharmacology, and dental management are emphasized. A practical application component will be provided.

DEPS 2908 *Fixed Prosthodontics* **2.0 cr**

This course introduces students to basic principles of fixed partial prosthodontics. It is designed to teach students the terminology, materials, techniques, and basic principles of treating patients with fixed partial dentures (FPD). Students acquire the knowledge and skills to diagnose and treatment plan gold and metal-ceramic FPD. Students learn the basic principles and skills to prepare, provisionalize, and fabricate FPD and prepare cases for fabrication in a remote dental laboratory. Students are introduced to ceramic materials for esthetics, the basic principles of esthetics, and indications for their use.

DEPF 2912 *Indirect Single Unit Restoration* **4.0 cr**

In this course students are introduced to the disciplines of biomaterials, operative dentistry and fixed prosthodontics. The course addresses the terminology, materials, techniques, and basic principles involved with prosthodontic diagnostic procedures, tooth preparations (inlays, onlays, full gold, and metal-ceramic) impression making and master cast fabrication, interim restoration, waxing and occlusion, and the fabrication of cast restorations using the lost wax process. Students learn how to fabricated castings for try in and cementation.

DEPF 2913 *Removable Prosthodontics I* **2.0 cr**

This course is the first part of a series of preclinical preparation courses in basic prosthodontic principles. The purpose of this course is to introduce the student to the basic principles of removable prosthodontics. The course will address the treatment of patients requiring complete denture (CD) therapy and removable partial denture (RPD) therapy. Students will acquire the knowledge and skills to diagnose and treatment plan patients who are either edentulous or partially edentulous. Students will learn the fundamentals of nomenclature, classification, survey/design, and mouth preparation along with the basic sequence of treatment as it relates to the construction, delivery and maintenance of a CD and an RPD. Students will become proficient in the concepts of CDs, designing basic RPDs and in the preparation of work authorizations for the production in the dental laboratory. Students will gain a knowledge of and appreciation for the supportive dental laboratory procedures.

DEPS 2914 *Removable Prosthodontics II* **1.0 cr**

Students will continue to build on the concepts learned in Removable Prosthodontics I course.

DENS 2915 *Implantology I* **1.5 cr**

Students are introduced to the didactic and technical aspects of placing and restoring dental implants for a two implant supported overdenture and a single-implant supported crown. Students are introduced to all phases of the treatment of these two types of cases to include: treatment plan, diagnostic wax-up, fabrication of implant stents, surgical placement of implants, selection of abutment components, provisionalization, and completion of the final prosthesis through lecture and hands-on laboratory exercises. Students learn the foundational knowledge and skills required discussing the potential of implant treatment with a patient, and to treatment plan and restore a non-complex implant case in the third and fourth year clinics.

DENS 2936 *The Behavioral Context of Dental Patient Management* **1.0 cr**

This course familiarizes students with the behavioral science aspects of dental patient management. This course attempts to create an awareness of the unique developmental and behavioral facets of the dental patient at each stage of the life span, and to provide the student with the basic knowledge necessary to understand human behavior as it applies to the practice of dentistry. Behavioral concepts covered include cognitive and psychosocial development, aging and ageism, verbal and nonverbal communication, behavior management, stress and coping; pain, anxiety management, and smoking cessation.

This course also focuses on the importance of shared-decision making between patient and provider by introducing the student to the principles of values-based practice (VBP). Another goal of this course is to help students acquire and develop the process of values-based practice that supports evidence-based practice in situations facing individual patients.

DENS 2961 *Growth & Development* **0.5 cr**

This course introduces students to the basic concepts in physical growth and development. Information on physical growth and dental development is presented sequentially beginning with prenatal growth and extending into adult life where developmental changes continue at a slower pace. Students are introduced to basic concepts of postnatal human growth and development, to the nature of craniofacial growth, and to the theories of craniofacial growth. The etiology of malocclusion and the special developmental problems of children with malocclusion and dentofacial deformity are considered in some detail. Students should learn the basic techniques in the assessment of the developing child using four separate analyses: cephalometric, facial form, space, and hand wrist analyses. Students should learn the skills necessary to evaluate and to suggest treatment plans for a number of frequently encountered

clinical problems of children.

DENF 2962 *Pediatric Dentistry I* **1.0 cr**

This course prepares students to render dental treatment to pediatric patients. Students should learn to recognize the differences that exist in the delivery of treatment to children and adults. This course introduces child development, growth and development of the dental arches, and behavior management necessary in the treatment of children. Students should acquire a thorough understanding of the development and morphology of primary and permanent teeth, their eruption sequences, and common developmental disturbances frequently seen in growing children. A review of the cariogenic theories and caries prevalence, as it relates to the developing child, is discussed. This course provides indications and contraindications for fluoride supplementation and sealants, along with necessary information regarding oral hygiene instructions and nutrition requirements of pediatric patients. Students should learn to recognize common signs of child abuse and the appropriate agencies to which they are required by law to report suspected cases of abuse. Common periodontal problems in children are also introduced.

DENS 2964 *Pediatric Dentistry II: Treatment Concepts* **1.0cr**

This course discusses diagnosis and treatment planning for the pediatric population's dental needs. Students will learn different diagnostic methods (including assessment, clinical examination, and radiographic examination), treatment planning options, (including indications and contraindications of restorative treatment, pulpal therapy, and space maintenance), and pharmacologic management of pain infection in pediatric population. The final presentations will allow students to build upon individual lectures to tackle a series of comprehensive case presentations that review patient care, from assessment to case completion. This course should prepare students to become competent in the formulation of a comprehensive treatment plan for children that they will be treating in the dental clinic. The didactic information obtained in this course will supplement the laboratory course DEPS 2965.

DEPS 2965 *Pediatric Dentistry II Lab: Simulation* **1.0cr**

This course will introduce restorative techniques, both cavity preparation and restoration placement, in primary teeth as well as young permanent molars. Within the context of the laboratory, students will learn to prepare primary teeth for the most common types of restorations currently utilized in pediatric dentistry with emphasis placed on the differences necessary for primary versus permanent teeth. The space maintenance portion of this course will provide the student with indications and contraindications to various space maintainers. The laboratory simulations will teach the proper construction of these appliances. The purpose of the laboratory course is the acquisition and synthesis of the skill set for basic operative dentistry as it applies to pediatric restorative processes. In adherence with the AAPD standards, student will demonstrate acquisition of synthesis of and competence with pediatric restorative skills. In the final case presentation, during quizzes, and with laboratory projects, each student will quantifiably and specifically demonstrate basic pediatric operative skills. This will allow for supervised treatment of pediatric patients in the dental clinic, utilizing calibrated skill sets.

DENU 2991 *Interdisciplinary Biological Sciences Review* **1.0 cr**

The objective of this course is to provide a review of the specific topics that will help the student prepare for the National Board Dental Examination, Part I (NBDEI). Where possible, emphasis will be placed on assisting the student in identifying areas of integration between the subtopics in Basic Sciences, especially in the areas of immunopathology, biochemistry-physiology and embryology-anatomy. A mock NDBE examination will be provided to allow the student to assess his or her progress in self-study and identify specific areas of weaknesses and strengths.

Third Year

The CLIN 3000 series listed below are third-year courses that provide an opportunity for clinical experience in the indicated clinical discipline. Students perform comprehensive dental care under the supervision of faculty from all clinical departments.

CLIN 3001 *Pediatric Dentistry Clinic* **2.0 cr**

This clinic course prepares dental students to render dental treatment to pediatric dental patients. Students learn to recognize the differences that exist in the delivery of treatment of children and adults. Students learn to perform a comprehensive oral examination using all the necessary diagnostic tools to evaluate the dental needs of the pediatric or mixed dentition patient to develop a thorough, comprehensive treatment plan. Students learn to recognize the need for and management of space maintainers. The student will be required to recognize the need to refer treatment beyond his/her expertise. Prevention is emphasized, recognizing the child's level of cognitive and psychomotor development, and parental cooperation and interaction. This course develops the student's skills in the management of both the pediatric patient and their parents, including application of behavior modification skills. The course teaches students to be competent in operative dental procedures modified for use with primary and young permanent teeth, including the administration of local anesthesia and pain control.

CLIN 3002 *Endodontics Clinic* **1.0 cr**

This clinical course enables students to become competent endodontic practitioners by integrating pre-clinical principles and techniques into clinical patient treatment. Quality endodontic patient treatment requires that a practitioner possess and apply basic sciences knowledge in pharmacology, physiology, microbiology and immunology into the various technical aspects of treatment. Although a wide spectrum of endodontic treatment is possible, primarily non-surgical treatment of anterior, premolar, and uncomplicated molar teeth will be performed.

CLIN 3003 *Radiology Clinic* **1.0 cr**

This clinical course affords students the opportunity to integrate principles of preclinical training into the diagnostic process. Students utilize various types of radiographic surveys for their patient evaluations, including the full mouth survey (FMS), partial FMS evaluations, and panoramic evaluations. This course should provide students vital practical experience essential to become proficient in diagnostic radiography.

CLIN 3005 *Prosthodontics Clinic* **6.0 cr**

This clinical course introduces students to the clinical aspects of delivering patient care in the specialty of prosthodontics. It is designed to provide the student the opportunity to use critical thinking skills by utilizing information learned in basic sciences, clinical disciplines, and pre-clinical laboratories to treat patients in a clinical setting. Students should develop the necessary skills for gathering diagnostic information, developing a sequential treatment plan, and performing prosthodontic procedures using sound clinical judgment.

CLIN3006 *Operative Dentistry Clinic* **4.0 cr**

This clinical course helps increase the student's knowledge and improve skills in clinical Operative Dentistry. The course focuses on the management and comprehensive dental care of patients requiring basic operative dentistry procedures. Students also continue to develop patient assessment, diagnosis, prognosis, and treatment planning abilities to help ensure success of subsequent fundamental Operative Dentistry procedures. Emphasis is placed on the delivery of quality, compassionate, and ethical comprehensive dental care. This care includes: 1) the evaluation of the health of pulpal tissue as it relates to the restoration of damaged teeth;

2) the evaluation of the periodontium as it relates to the restoration of damaged teeth; 3) the selection of the appropriate cavity design(s) and dental material(s) to restore damaged teeth to their optimal form, function, and occlusal relationships; and 4) adequate patient comfort.

CLIN 3007 *Oral Surgery Clinic* **2.0 cr**

This clinical course introduces students to clinical oral surgery, which includes patient evaluation, diagnosis, treatment planning, and routine oral surgery procedures commonly employed in general dental practice. Students become familiar with basic armamentarium, nomenclature and function of various surgical instruments. Students learn the principles of aseptic technique and infection control in preparing the surgical team, the patient, and the surgical cubicle for oral surgery procedures. Students develop skills in performing uncomplicated extractions, multiple extractions, alveoloplasty procedures, and routine suturing techniques.

Other areas of emphasis include patient management, use of local anesthesia, prevention, recognition, and management of intraoperative and postoperative complications, prevention and management of medical emergencies in the dental office, and postoperative patient management.

CLIN 3008 *Periodontics Clinic* **3.0 cr**

This clinical course focuses on the application of knowledge gained in the didactic study of Periodontics, and it is directly related to the previous material presented in the second-year clinic course. Students perform a clinical and radiographic examination and diagnose periodontal diseases. Students formulate a sequenced treatment plan and establish a prognosis for patients with gingivitis through moderately advanced periodontitis by integrating periodontics into a total dental and oral preventive approach. Students treat patients nonsurgically, reevaluate them, and identify patients that should be referred to a periodontist. Additionally, students maintain a stable periodontium by establishing and monitoring a recall protocol. Students discuss the rationale behind surgical periodontal procedures by assisting during surgeries.

CLIN 3011 *Orthodontics Clinic* **0.5 cr**

This clinical course introduces students to the practice of clinical orthodontics. The primary goal of this experience is to reinforce didactic concepts taught in the second year and build upon them in a manner that will better prepare the student to recognize, communicate, and manage orthodontic problems in the general dentistry setting.

CLIN 3013 *Urgent Care Clinic* **1.0 cr**

This clinical rotation provides students with an opportunity to manage dental emergencies appropriately, and diagnose, stabilize, and refer patients to dental specialists when the appropriate care demands their expertise.

CLIN 3014 *Clinical Practice I* **3.0 cr**

This clinical course reinforces and refines students' knowledge and skills required for the clinical practice of dentistry. Students have the opportunity to demonstrate competence in behavioral and patient management skills, in addition to the technical skills and knowledge required of a graduated, licensed dental practitioner. Students are observed and evaluated, and must understand and practice proper comprehensive patient care and management. The latter includes ethical and professional behavior, patient management, proper infection control techniques, and appropriate recording keeping.

CLIN 3016 *Clinical Simulation I* **1.0**

This course is provide the dental student with opportunities for the integration and application

of theoretical, evidence-based, and clinical knowledge to the individual's practice of dentistry in a controlled student-centered environment. This course will reinforce and enhance student understanding of relevant patient information and its application in dentistry. This course will demonstrate the ability to integrate biomedical and clinical sciences into aspects of patient treatment and how to manage patient situations in an ethical and professional manner. This course will provide students with additional discipline-specific treatment experiences.

CLIN 3017 *Diagnosis and Treatment Planning Clinic* **3.0 cr**

This clinic rotation allows students to gain competence in evaluating a patient's dental needs, determining the complexity of those needs, and recognize and then gather baseline/diagnostic information. Competence will also be gained in the use of specialty consultations, the treatment plan, which cannot be done without the above steps, is an essential process for the modern, successful dental practice.

DENF 3541 *Emergency Procedures I* **1.0 cr**

This course brings together the individual medical emergency procedures presented in courses throughout the dental curriculum. It serves as a method for understanding their use in the clinical situation and to develop a greater sense of confidence in their application.

DENF 3622 *Business of Dentistry III* **0.5 cr**

This course integrates the theoretical with the practical aspects of communication within the bounds of practice management and applies this knowledge to the relationships with patients, staff, colleagues, and spouses. This course includes an introduction to the principles and practices of personal finance and allows the student to continue the development of his/her individually customized strategic plan for a successful career in dentistry, with additional and continuing focus on professionalism, critical thinking, and problem solving. Students will hear seminars by guest speakers on the subject of employment, ownership, partnership, money, staffing, marketing, and other business areas related to dental practice.

DENS 3623 *Business of Dentistry IV* **1.0 cr**

The focus of this course is on professionalism, critical thinking, and problem solving. Students will engage experts, dental professional, and faculty in the classroom on the subjects of employment, ownership, partnership, money, staffing, marketing, and other areas related to dental practice. The final project in this course will summarize the work in all of the prior Business in Dentistry courses by using material and knowledge acquired to compile a viable practice and/or career plan.

DENF 3672 *Biomaterials II* **1.0 cr**

This course will acquaint the student with the properties of bleaching agents, various types of dental adhesives, laboratory composites, dental cements, and color principles in dentistry. Additionally, the course will provide an opportunity for clinical problem-solving relating to the properties and materials introduced. Special emphasis will be placed on the biomaterials currently used in a dental practice. The information presented in this course will help provide the student with both a sound basis of knowledge and problem-solving skills that will aid in making appropriate selections of materials for each patient's unique needs.

DEPF 3673 *Advanced Restorative & Esthetics* **2.0**

This is a preclinical course presented in the simulation center to expose students to current techniques and materials in esthetic dentistry and restorative dentistry. This course equips students with the skills to properly diagnose, treatment plan and perform a variety of advanced restorative procedures with appropriate materials in context of comprehensive care. This

course will present new developments, innovative techniques and scientific evidence related to restorative and esthetic dentistry as they become available.

DENF 3703 *Oral & Maxillofacial Radiology II* **1.0 cr**

This course introduces students to the advanced aspects of oral and maxillofacial radiology. The radiographic examination plays an integral role in the diagnostic process in dentistry. The practitioner uses radiographic images to diagnose those structures which cannot be seen during the clinical evaluation. The dentist must therefore possess a sound knowledge of radiographic principles and be highly proficient in certain extraoral techniques to complement their overall diagnostic skills.

DENS 3705 *Oral Oncology* **0.5 cr**

This course enables students to recognize and manage head and neck oral cancer, make appropriate referrals, and manage the oral complications secondary to cancer treatment.

DENU 3706 *Differential Diagnosis-Soft Tissue* **1.0 cr**

This course assists students in establishing a differential diagnosis for soft tissue pathoses occurring in the oral and paraoral regions. This course is designed to present an orderly and sequential approach to the formulation of a working diagnosis. This involves learning the classification system of lesions, the characteristic features of these lesions, the relative incidence of these conditions, and the gender, age, anatomical site, and ethnic predilection of patients. Students learn to describe the characteristics of the more common oral and head and neck lesions. In addition, students provide at least three reasonable differential diagnoses for each lesion based on clinical description, symptomatology, and epidemiological data. Students also learn to formulate an appropriate treatment plan derived from the working diagnosis.

DENU 3707 *Differential Diagnosis-Hard Tissue* **1.0**

This course assists students in establishing a working diagnosis based on the radiographic findings of patients affected by lesions or conditions involving the teeth, jaws, and adjacent oral anatomy. This course is designed to present an orderly and sequential approach to the formulation of a radiographic differential diagnosis. A differential diagnosis is obtained by including or excluding certain lesions or conditions based on their radiographic manifestations and clinical presentation. When coordinated with a patient's history and other pertinent clinical and laboratory data, a working diagnosis usually can be established. In many instances a biopsy and/or surgical treatment may be indicated.

DENF 3710 *Endodontics II: Biological Applications in Endo.* **0.5 cr**

This course helps students acquire a more in-depth understanding of pulpal and periradicular pathophysiology, of techniques for diagnosing pulpal and periradicular disease, and of techniques for biomechanical canal instrumentation and obturation. Also included is an in-depth discussion of the management of endodontic emergencies.

DENS 3711 *Endodontics III: Advanced Endodontics* **1.0 cr**

This course enables students to diagnose the need for and describe the endodontic treatment related to assessment of difficulty factors; traumatic injuries to teeth, including vital pulp exposures; root resorption; endodontic-periodontic relationships; surgical endodontics; pain and anxiety management; antibiotics, analgesics, and bleaching of vital and pulpless teeth; pediatric-endodontics; post-endodontic restorations, and case difficulty assessment; endodontic failures/retreatment; and geriatric endodontics. Additional clinical scenarios are also presented in this course.

DENF 3721 *Periodontics III: Surgical Periodontal Therapy* **0.5 cr**

This course prepares students to manage patients in their practices who have been diagnosed as having periodontal disease. Students will have the opportunity to learn to select patients they are capable of treating and identify those with more complex cases who should be referred to a periodontist. In addition, students should apply the rationale for periodontal surgical procedures, compare and evaluate basic periodontal surgical techniques, and perform simple flap procedures in the laboratory, under the supervision of a Periodontics faculty member. . .

DENS 3723 *Advanced Periodontics* **1.0 cr**

This course is designed to bring together concepts presented to student in previous courses in Periodontics. This course will focus on clinical application of these concepts in a case-based approach. The students will be required to make judgments when faced with clinical situations requiring integration of biomedical and clinical periodontics to deliver quality care to the patient.

DENS 3806 *Implantology II: Treatment Planning* **0.5 cr**

This course exposes students to the complexities of implant case treatment planning and the decision-making process relative to conventional prosthodontics and implant supported prosthetics. This course will present multiple case scenarios. Topics of discussion include: how a case is assessed or “worked up,” rationales for conventional or implant supported prosthetic restoration, decision-making regarding the selection of an implant system, the number of implants required and cost/time to completion considerations, rationales and uses for hard and soft tissue grafting, and post-restoration maintenance.

DENF 3807 *Advanced Oral & Maxillofacial Surgery* **0.5 cr**

This course prepares students to recognize advanced oral and maxillofacial surgery problems that in most cases will require a referral to an oral and maxillofacial surgeon. These procedures include biopsy of both soft and hard tissue lesions, correction of dentofacial deformities, surgical treatment of cleft lip and palate and treatment of salivary gland diseases.

DENF 3808 *Essentials in Medicine II* **2.0 cr**

This course is an in-depth examination and continuation of the medical principles presented in Essentials in Medicine I. The course will prepare the student to quantify pertinent positive findings obtained from the subjective medical history and objective focused physical examination. The course incorporates and distinguishes the clinical relevance of pertinent applied pharmacotherapeutics in patient management.

DENS 3809 *Essentials in Medicine III* **2.0 cr**

This is the capstone course in the Essentials in Medicine course series. In this course, the students will be challenged with medically complex patient cases through discussion, analysis and applications of relevant principles of medicine and therapeutics presented in Essentials I and II.

DENU 3811 *Dental Anesthesiology* **1.0 cr**

This course introduces students to the wide spectrum of pain and anxiety control in dentistry. During this course, students establish a basic understanding of additional techniques available to the dental practitioner to cope with the problems of anxiety and fear common in patients. The techniques learned are not only used for the purpose of aiding the fearful dental patient, but also in the prevention of medical emergencies in the dental office by attenuating the potentially harmful effects associated with stress response. A large portion of this course concentrates on the training of nitrous oxide inhalation sedation.

DENF 3901 *Clinical Prosthodontics* **1.0 cr**

This course provides students with basic prosthodontic principles to enable students to accomplish various clinical procedures necessary to treat the edentulous and the partially edentulous patient, as well as the patient requiring fixed restorations. Complete dentures emphasize clinical aspects, from the examination of the edentulous mouth through all the essential steps of treatment, to post-insertion instructions and follow-up. Removable partial dentures emphasize the biomechanical factors involved in the design and fabrication of the prosthesis. Fixed prosthodontics emphasizes treatment planning, preparation design, impression making, and the clinical insertion appointment.

DENS 3902 *Advanced Prosthodontics* **1.0 cr.**

This course is a continuum of the ongoing Prosthodontic series of courses. The course is organized to provide an overview of Occlusion, Fixed Prosthodontics, Removable Prosthodontics, and Implant restorations. An important component of this course is the presentation of several case-based studies and clinical scenarios that involve diagnosis and treatment planning. These cases have been developed to challenge the student to investigate, analyze, justify, and objectively evaluate the outcomes of the proposed treatment plans.

DENS 3932 *Dental Public Health* **1.0 cr**

This course exposes students to the various processes important to the provision of dental care to the individual and the community, emerging non-traditional forms of private practice, and basic concepts of dental public health. Student gain knowledge of the principles of dental public health, various forms of financing of dental care, as well as different oral health care systems.

DENF 3961 *Pediatric Dentistry III* **1.0 cr**

This course prepares students to provide dental care to their pediatric patients. Students learn the reasons for oral health examinations, and the methods by which such exams are conducted. Students also become familiar with important principles and guidelines for rendering treatment to the pediatric patient with special needs. Additionally, students should be able to render treatment to teeth that have sustained trauma (both primary and permanent) and oral soft tissues that have been burned. Various oral habits and basic principles of minor tooth movement are presented. Small group sessions are used to help students integrate their dental knowledge to plan comprehensive treatment for the pediatric patient.

DENF 3971 *Orthodontics* **1.0 cr**

This course provides students an introduction and background in elements of orthodontics with which the general practitioner should be familiar in order to treat limited orthodontic cases. The course begins with a comprehensive introduction to orthodontic diagnosis and treatment planning. Students then learn orthodontic triage: separating patients who can be treated by a general practitioner from those who will require referral to a dental specialist. The biologic and mechanical aspects of orthodontic tooth movement follow and are presented in detail. Orthodontic problems of a dental nature and those requiring growth modifications are covered. The three major stages of comprehensive orthodontic treatment are presented. Simple orthodontic procedures that the general practitioner can perform to control disease and restore function as part of their restorative procedures are reviewed.

DENU 3991 *Interdisciplinary Clinical Sciences Review* **1.0 cr**

This course is not to teach new content, but to review information and develop critical thinking and problem-solving skills to help maximize student performance on the National Board Dental Examination, Part II. This course should not be considered a substitute for individual student preparation to take the National Board Dental Examination.

Fourth Year

The CLIN 4000 series listed below are fourth year courses, which provide an opportunity for clinical experience in the indicated clinical discipline. Students perform comprehensive dental care under the supervision of faculty from all clinical departments.

CLIN 4001 *Pediatric Dentistry Clinic* **2.0 cr**

This clinical course prepares students to render dental treatment to pediatric dental patients. Students learn to recognize the differences that exist in the delivery of treatment to children and adults. Students learn to perform a comprehensive oral examination using all the necessary diagnostic tools to evaluate the dental needs of the pediatric or mixed dentition patient to develop a thorough, comprehensive treatment plan. Students will recognize the need for and management of space maintainers. Students will recognize the need to refer treatment beyond their expertise. Prevention is emphasized, recognizing a child's level of cognitive and psychomotor development and parental cooperation and interaction. This course develops the student's skills in the management of both the child patient and their parents, including application of behavior modification skills. This course teaches students to be competent in operative dental procedures modified for use with primary and young permanent teeth, including the administration of local anesthesia and pain control.

CLIN 4002 *Endodontics Clinic* **2.0 cr**

This clinical course enables students to become competent endodontic practitioners by integrating pre-clinical principles and techniques into clinical patient treatment. Quality endodontic patient treatment requires that a practitioner possess and applies basic sciences knowledge in pharmacology, physiology, microbiology and immunology into the various technical aspects of treatment. Although a wide spectrum of endodontic treatment is possible, primarily non-surgical treatment of anterior, premolar, and uncomplicated molar teeth will be performed.

CLIN 4003 *Radiology Clinic* **1.0 cr**

This clinical course affords students the opportunity to integrate principles of preclinical training into the diagnostic process. Students utilize various types of radiographic surveys for their patient evaluations, including the full mouth survey (FMS), partial FMS evaluations and panoramic evaluations. This course should provide students vital practical experience essential to become proficient in diagnostic radiography.

CLIN 4004 *Special Patient Care Clinic* **1.0 cr**

This course is comprised of two clinical rotations. The extra-mural rotations provide students with an opportunity to develop competency in providing community-based dental care. The Medically Complex Patient Rotation (of which Dental Auxiliary Utilization (DAU) is a component) provides students with an opportunity to deliver treatment to medically compromised, handicapped and/or geriatric patients. These rotations create awareness in students of the dental needs of communities and community health programs. Equally important, these rotations demonstrate how financial and social status influence access to health care and, more specifically, dental care. The goal is for students to realize and accept their social responsibility to provide care for all segments of the population via their experience in these rotations.

CLIN 4005 *Prosthodontics Clinic* **8.0 cr**

This clinical course continues introducing students to the clinical aspects of delivering patient care in the area of prosthodontics. It is designed to provide students the opportunity to use critical thinking skills by utilizing information learned in basic sciences, clinical disciplines, and pre-clinical laboratories to treat patients in a clinical setting. Students should continue to develop the necessary skills for gathering diagnostic information, developing a sequential

treatment plan, and performing prosthodontic procedures using sound clinical judgment.

CLIN 4006 *Operative Dentistry Clinic* **4.0 cr**

This clinical course allows students to continue to develop and refine their knowledge necessary to properly diagnose, establish a treatment plan, and perform a variety of procedures with appropriate materials, or manage the patient's care in the context of comprehensive care.

CLIN 4007 *Oral Surgery Clinic* **1.0 cr**

This clinical course reinforces basic skills developed during the third-year clinical course, and facilitate continued development as the student performs routine oral surgery procedures commonly employed in general dental practice. Students continue application of their acquired basic science knowledge in the clinical arena as they continue to develop skills for proper preoperative assessment, diagnosis, and treatment of patients who require routine oral surgical procedures. Areas of emphasis will be physical evaluation and assessment, principles of aseptic technique and infection control, uncomplicated exodontia, multiple extractions, complicated exodontia, and routine preprosthetic surgical procedures.

Other areas of emphasis include patient management, use of local anesthesia, prevention, recognition and management of intraoperative and postoperative complications, prevention and management of medical emergencies in the dental office, and postoperative patient management.

CLIN 4008 *Periodontics Clinic* **3.0 cr**

This clinical course focuses on the application of knowledge gained in the didactic study of Periodontics, and is directly related to the previous material presented in the second- and third-year clinic courses. Students perform a clinical and radiographic examination and diagnose periodontal diseases. Students formulate a sequenced treatment plan and establish a prognosis for patients with gingivitis through moderately advanced periodontitis by integrating periodontics into a total dental and oral preventive approach. Students treat patients nonsurgically, reevaluate them and identify patients that should be referred to a periodontist. Additionally, students maintain a stable periodontium by establishing and monitoring a recall protocol. Students apply the principles behind periodontal surgery by assisting surgical procedures.

CLIN 4011 *Orthodontic Clinic* **0.5 cr**

This clinical course continues to introduce students to the practice of clinical orthodontics. The primary goal of this experience is to reinforce didactic concepts and build upon them in a manner that will better prepare the student to recognize, communicate, and manage orthodontic problems in the general dentistry setting.

CLIN 4012 *Diagnosis and Treatment Planning Clinic* **2.0 cr**

This clinic rotation allows students to gain competence in evaluating a patient's dental needs, determining the complexity of those needs, and recognize and then gather baseline/diagnostic information. Competence will also be gained in the use of specialty consultations, the formulation of a treatment plan, and treatment sequencing of that treatment plan. The finalized treatment plan, which cannot be done without the above steps, is an essential process for the modern, successful dental practice.

CLIN 4013 *Urgent Care Clinic* **2.0 cr**

This clinical rotation provides students with an opportunity to manage dental emergencies appropriately, and diagnose, stabilize, and refer patients to dental specialists when the appropriate care demands their expertise.

- CLIN 4014** *Clinical Practice II* **3.0 cr**
 This clinical allows students the opportunity to refine the skills and knowledge needed to properly diagnose, treatment plan, and manage and provide patient treatment in an environment that closely approximates a private practice setting. Students learn the technical skills and knowledge required of a graduated, licensed dental practitioner. Students must also demonstrate competence in behavioral and patient management skills.
- CLIN 4016** *Clinical Simulation II* **0.5 cr**
 Students will continue to build on the concepts learned in Clinical Simulation I course.
- DENS 4541** *Emergency Procedures II* **0.0 credit**
 This course brings together all of the individual medical emergency procedures presented in courses throughout the student’s dental education. It is meant to serve as a method for understanding their use in the clinical situation, to develop a greater sense of confidence in their application, and provide “hands on” practice.
- DENS 4622** *Laws & Regulations Affecting Dentistry* **0.5 cr**
 This seminar series enables students to comply with the requirements of the various regulatory agencies associated with the practice of dentistry. In particular, students should have the opportunity to gain sufficient understanding of the Occupations Code – Title 1, Title 2, Title 3 (Texas Dental Practice Act) /Rules and Regulations to ultimately pass the jurisprudence exam administered by the Texas State Board of Dental Examiners..
- MBE 4200** *Mock Board Examination* **0.0 cr**
- NBDE 4300** *National Board Dental Examination-Part II* **0.0 cr**
- CDEP 4100** *Continuing Dental Education Programs* **0.0 cr**

CURRICULUM BY YEAR

First Year

Course	Number	Credit Hours
Neurosciences	DENS 1504	3.5
Biomedical Science Core	DENF 1510	6.0
Oral Biology I	DENF 1511	4.0
Head and Neck Anatomy (Course Fee \$500)	DENS 1512	4.0
Human Biology	DENS 1513	4.0
Oral Biology II	DENS 1514	1.0
Clinical Applications I	DENF 1543	2.5
Clinical Applications II	DENS 1544	2.5
Principles of Pharmacology	DENU 1561	1.0
Local Anesthesia	DENU 1562	1.0
Dental Anatomy I	DENF 1601	2.0
Dental Anatomy Lab I	DEPF 1602	1.0

Dental Anatomy Lab II : Occlusion	DEPS 1604	2.0
Operative Dentistry I	DEPS 1614	4.0
Ethics in Dentistry	DENF 1621	0.5
Business of Dentistry I	DEBD 1624	1.5
Foundational Skills for Clinic I	DENF 1651	1.0
Foundational Skills for Clinic II	DENS 1652	1.0
Biomaterials I	DENF 1672	1.5
Oral and Maxillofacial Radiology	DENU 1703	1.5
Introduction to Clinic	DENU 1704	1.0
Perio I: Diagnosis & Treatment Planning	DENU 1721	1.0
Basic and Applied Nutrition	DENF 1931	1.0
Introduction to Population Health	DENF 1934	1.5
Introduction to Dental Informatics	DENF 1991	0.5

Second Year

Course	Number	Credit Hours
Dental Therapeutics	DENF 2564	2.0
Operative Dentistry II Simulation	DEPF 2614	4.0
Business of Dentistry II	DEBD 2624	1.5
Pathobiology	DENF 2705	6.0
Oral Diseases	DENS 2706	4.0
Endodontics I: Simulation	DEPS 2712	2.0
Periodontics II: Nonsurgical Perio Therapy	DENS 2722	1.0
Preclinical Oral and Maxillofacial Surgery	DENS 2801	1.0
Essentials of Medicine I	DENS 2804	3.0
Fixed Prosthodontics	DEPS 2908	2.0
Indirect Single Unit Restoration	DEPF 2912	4.0
Removable Prosthodontics I	DEPF 2913	2.0
Removable Prosthodontics II	DEPS 2914	1.0
Implantology I	DENS 2915	1.5
Behavior Context-Dental Patient Management	DENS 2936	1.0
Growth & Development	DENS 2961	0.5
Pediatric Dentistry I	DENF 2962	1.0
Pediatric Dentistry II: Treatment Concepts	DENS 2964	1.0
Pediatric Dentistry II Lab: Simulation	DEPS 2965	1.0
Interdisciplinary Biological Sciences Review	DENU 2991	1.0

CLINIC:

Second Year Fall Clinic	CLIN 2502	2.0
Second Year Spring/Summer Clinic	CLIN 2503	2.0

Third Year

Course	Number	Credit Hours
Emergency Procedures I	DENF 3541	1.0
Business of Dentistry III	DENF 3622	0.5
Business of Dentistry IV	DENS 3623	1.0
Biomaterials II	DENF 3672	1.0
Advanced Restorative & Esthetics	DEPF 3673	2.0
Oral & Maxillofacial Radiology II	DENF3703	1.0
Oral Oncology	DENS 3705	0.5
Differential Diagnosis-Soft Tissue	DENU 3706	1.0
Differential Diagnosis-Hard Tissue	DENU 3707	1.0
Endodontics II: Biological Applications in Endodontics	DENF 3710	0.5
Endodontics III: Advanced Endodontics	DENS 3711	1.0
Periodontics III: Surgical Periodontal Therapy	DENF 3721	0.5
Advanced Periodontics	DENS 3723	1.0
Implantology II: Treatment Planning	DENS 3806	0.5
Advanced Oral & Maxillofacial Surgery	DENF 3807	0.5
Essentials in Medicine II	DENF 3808	2.0
Essentials in Medicine III	DENS 3809	2.0
Dental Anesthesiology	DENU 3811	1.0
Clinical Prosthodontics	DENF 3901	1.0
Advanced Prosthodontics	DENS 3902	1.0
Dental Public Health	DENS 3932	1.0
Pediatric Dentistry III	DENF 3961	1.0
Orthodontics	DENF 3971	1.0
Interdisciplinary Clinical Sciences Review	DENU 3991	1.0

CLINIC:

Pediatric Dentistry	CLIN 3001	2.0
Endodontics	CLIN 3002	1.0
Radiology	CLIN 3003	1.0
Prosthodontics	CLIN 3005	6.0
Operative Dentistry	CLIN 3006	4.0
Oral Surgery	CLIN 3007	2.0
Periodontics	CLIN 3008	3.0

Orthodontics	CLIN 3011	0.5
Urgent Care	CLIN 3013	1.0
Clinical Practice I	CLIN 3014	3.0
Clinical Simulation I	CLIN 3016	1.0
Diagnosis and Treatment Planning Clinic	CLIN 3017	3.0

Fourth Year

Course	Number	Credit Hours
Emergency Procedures II	DENS 4541	0.0
Laws & Regulations Affecting Dentistry	DENS 4622	0.5
Continuing Dental Education Programs	CDEP 4100	0.0
Mock Board Examination	MBE 4200	0.0
National Board Dental Exam Part II	NBDE 4300	0.0
CLINIC:		
Pediatric Dentistry	CLIN 4001	2.0
Endodontics	CLIN 4002	2.0
Radiology	CLIN 4003	1.0
Special Patient Care Clinic	CLIN 4004	1.0
Prosthodontics	CLIN 4005	8.0
Operative Dentistry	CLIN 4006	4.0
Oral Surgery	CLIN 4007	1.0
Periodontics	CLIN 4008	3.0
Orthodontic	CLIN 4011	0.5
Diagnosis and Treatment Plan	CLIN 4012	2.0
Urgent Care	CLIN 4013	2.0
Clinical Practice II	CLIN 4014	3.0
Clinical Simulation II	CLIN 4016	0.5

Electives

The electives program at UTSD is designed to offer enrichment courses in a variety of areas beyond the scope of the required pre-doctoral curriculum. A listing of electives is provided in the Student Guide to Academic Studies at <https://dentistry.uth.edu/students/doctor-of-dental-surgery/index.htm>

Each student must complete four semester hours of elective courses, plus two Continuing Dental Education Courses to be eligible for graduation. The number of elective courses per year, eligibility requirements and associated information are listed in the **Student Guide to Academic Studies**.

Although some electives are offered during the first and second year of the curriculum, the

majority of elective courses are offered in the third and fourth years of the curriculum. The following types of elective courses are offered:

General information courses

all students

Thesis writing

first and second year students

Table clinics

all students

Lecture courses

second, third and fourth year students

Laboratory courses

third and fourth year students

Case presentations

third and fourth year students

Research projects

all students

Seminars

third and fourth year students

Extramural clinical activities

third and fourth year students

Elective grades are Pass ("P") or Fail ("F")

ADVANCED EDUCATION PROGRAMS

The UTSD Postgraduate Program offers three types of programs designed for the postgraduate dentist who wishes to pursue additional education: graduate (degree/certificate), postgraduate (certificate), and residency (certificate).

Graduate

The graduate programs lead to a Master of Science in Dentistry (MSD) degree and Certificate in a specialty area of dentistry. The programs are designed to meet eligibility requirements for examination by the particular American Specialty Board and accreditation standards of the Commission on Dental Accreditation. The following clinical specialties are offered: Endodontics, Periodontics, and Prosthodontics

The curriculum in the graduate programs varies between programs based upon discipline specific requirements. Orientation in research methodology and human subjects' research is required for students pursuing a graduate degree. A thesis is required and the total length of the program varies with the area of specialty. The minimum period of study is 26 months, depending on the requirements of the particular specialty. Graduate programs are combined programs and under no circumstances are the Degree and Certificate awarded separately.

Postgraduate

The postgraduate programs lead to certificate in general dentistry or in a specialty area, and an optional Master of Science in Dentistry degree consisting primarily of basic science courses, clinical science courses and seminars, and a clinical program designed to meet eligibility requirements for examination by the particular American Specialty Board and accreditation standards of the Commission on Dental Accreditation. The following specialties are offered: Orthodontics, and Pediatric Dentistry. General Dentistry programs include the Advanced Education in General Dentistry (AEGD) and the General Practice Residency (GPR). A thesis is required if a Master of Science in Dentistry degree. Orientation in research methodology and human subjects' research is required for students pursuing a specialty certificate. The award of the certificate is contingent upon satisfactory completion of the required basic and clinical science courses, clinical conferences, appropriate clinical training for the area of specialization and research project (if required by the department).

Residency

The Residency programs lead to a Certificate and consist primarily of basic science courses, clinical science courses and a clinical program designed to meet eligibility requirements for examination by the particular American Specialty Board (if applicable) and accreditation standards of the Commission on Dental Accreditation. The following specialty program is offered Oral and Maxillofacial Surgery. Four-year Certificate and six-year combined MD/Certificate Oral and Maxillofacial Surgery programs are included. The awarding of a Certificate is contingent upon satisfactory completion of requirements of both programs.

General Information

Through reciprocal agreements, students at other components of The University of Texas System, as well as graduate students from Rice University, Baylor College of Medicine, Texas Woman's University, and the University of Houston may take graduate courses for credit at UTHealth, subject to the approval of the instructor. In addition, UTHealth graduate students may take courses for credit at any of the above institutions. Mechanism for payment of tuition or registration fees vary according to the individual institution. Consult with the Registrar's Office for specific details.

Application Procedure

All programs require application through the Postdoctoral Application Support Service (PASS). Applications for PASS are obtained from <https://www.adea.org/PASSapp/applicants/>

Programs in GPR, AEGD, Oral and Maxillofacial Surgery, Pediatric Dentistry, and Orthodontics participate in the National Matching Service for final selection. Registration forms may be obtained from: <http://www.natmatch.com/> National Matching Services, 595 Bay Street, Suite 300, Toronto, Ontario, Canada M5G 2C2, (416) 977-3431. Applicants applying to programs participating in the Match must register separately with the National Matching Services in addition to completing the required PASS application.

Application deadlines

All deadlines are listed in the program profiles in the ADEA PASS Search Engine and in the Program Designations section of the application. ADEA PASS must receive the completed electronic application, payment and all required documents by the listed deadline.

Applicants to graduate programs leading to a Master of Science in Dentistry Degree may be required to take the Graduate Record Examination (GRE). The GRE requirement is determined by the individual programs. Information regarding the GRE can be obtained from: Educational Testing Service, Box 955, Princeton, New Jersey 08540 or online at <http://www.gre.org>.

Criteria for Acceptance

Generally, applicants for advanced education programs at UTSD are considered on the basis of the following criteria:

- Completed Application
- Dental School Grade Point Average
- Dental School Class Standing
- Pattern of Academic Achievement
- National Board Scores
- Graduate Record Examination (if applicable)
- Experience and Training
- Recommendations
- Specific Program Requirements
- Personal Interview

Admissions Policy

UTSD admissions policy includes a wide variety of criteria, including qualitative and quantitative information to evaluate applicants on an individual basis and make decisions regarding acceptance into the Dental Education Program leading to the DDS degree. The admissions processes for the undergraduate Dental Hygiene certificate and Baccalaureate (BS) degree programs and graduate Advanced Education Programs utilize a mix of cognitive and non-cognitive consideration factors that are similar to the Dental Education Program. Dental Admissions Committees give individual consideration to applicants, and no quotas for any specific group are used. The Admissions Committee considers the application in its entirety and gives cognizance to the following factors:

- Intellectual capacity, based on consideration of undergraduate and graduate record; academic progression/regression; standardized test scores; academic awards and honors; a history of research accomplishments; degree of difficulty of undergraduate academic program; pre-professional evaluations; personal interview; any other data submitted;
- Interpersonal and communication skills, based on consideration of community or charitable service, extracurricular activities and organizations; leadership positions; employment history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may impact on healthcare; expression of future goals in the written essay; statements made on the application or in the personal interview; any other relevant considerations the student's pre-professional advisors may present;
- Knowledge of the profession, based on consideration of an understanding of factors that impact access to care, as well as social and financial implications; consideration of the implications of lifelong learning; and demonstrated significant effort in seeking knowledge regarding the practice of dentistry or participation in oral health promotion activities;

- Potential for service to the State of Texas, based on consideration of the applicant's goals for the future; size and location of hometown and whether the applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or in needed specialties; race/ethnicity as it relates to service to underserved and/or underrepresented populations; linguistic skills appropriate to the Health Professions Shortage Area the applicant wishes to serve;
- Motivation, based on consideration of success in overcoming adverse personal, economic, or educational conditions; employment history occurring simultaneously with undergraduate academic preparation; participation in activities requiring time management skills; experience in health-related activities; heavier than normal academic course loads (18 hrs/semester);
- Integrity, based on consideration of professional evaluations; any academic integrity violation; conduct of a crime; any other relevant background relating either positively or negatively to the applicant's standard of integrity; and
- Essential skills, based on consideration of psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing, and tactile abilities) sufficient to master the clinical procedures essential to the treatment of oral disease, with or without reasonable accommodation.

During the interview process, the applicant may be evaluated on additional elements, which may include public or community service, humanitarian service, extracurricular activities, communication skills, and experiences in overcoming adverse personal or family conditions.

Evaluation of the total information available to the selection committees for each program leads to the final decision regarding acceptance of students into the program.

The program selection committees review the applications, conduct the interview process, and make recommendations to the Advanced Education Committee for enrollment. The recommendations are voted upon by the Committee and approved applicants are forwarded to the Dean for final consideration.

Criminal Background Checks

An offer of admission to any program at UTSD is expressly contingent upon the successful completion and review of a criminal background check, which is required prior to matriculation. The criminal background check will, among other things, serve to verify information provided in the application. Individuals who do not give permission to the conduct of the criminal background check or who fail to provide the report as required will be subject to withdrawal of the offer of admission to School programs.

EXPENSES

Tuition - Fall and Spring Semesters

Beginning 2018-2019, resident tuition is \$148 per semester credit hour. Fall 2019, resident tuition will increase to \$159 per semester credit hour. Non-resident tuition will be \$585 per semester credit hour. Fall 2019, non-resident tuition will increase to \$641 per semester credit hour. Tuition is subject to change according to the actions of the Texas State Legislature or the UT System Board of Regents.

For the most current list of the Tuition and Fee Schedule go to Registrar's website at <https://uth.edu/registrar/current-students/registration/tuition--fee-schedule.htm>

Tuition - Summer Sessions

Tuition and fee payment for each summer session is due in full at the time of registration. Beginning 2018-2019, resident tuition is \$159 per semester credit hour. Tuition and fee payment for the Summer session is due at the time of registration. Payment of tuition and fees during the summer session maybe paid through the following alternatives: one full payment of tuition and fees in advance of the beginning of the 12-week Summer session, or two one-half payment of tuition and fees in advance of the beginning of the Summer session

Fees

Application Fee: \$60 to be enclosed with application.

Late Registration Fee: A \$25 fee will be required of those students who fail to register or pay on the date designated in the school calendar.

Installment Use Fee: \$20 per semester.

Course Fee: Charges are listed per course as follows:
DBPG 1101 Anatomy-Head & Neck \$500

Technology Resource Fee: A \$1990 fee annually.

Library Resource Center Fee: A \$150 fee annually

Information Technology Access Fee: A \$36 fee per semester

Graduation Fee: \$100 due at registration in the final year. This does not include regalia.

Professional Liability Insurance Fee: All advanced education students must participate in the institution's liability insurance coverage program. Estimated fees for the 2018-2019 academic year range from \$675-\$935 depending on the program. Fees for the 2019-2020 academic year have not been determined.

Health Insurance: Per semester Fall \$837, Spring \$1242, Summer \$425. Health insurance is required of all UHealth students. If you have your own health insurance policy, you may provide proof of comparable insurance coverage to Auxiliary Enterprises no later than the 12th class day to have this charge waived.

Student Services Fee: The Student Services Fee, required of all students, is assessed on a per semester credit hour basis with a maximum charge of \$218.25 per fall or spring semester

or \$129.75 per summer session. If a student enrolls in more than one summer session, the maximum fee will be \$129.75. The fee provides for student health services, student governance, recreational facilities, counseling, and shuttle bus service.

Student Record Fee: \$5 per semester

Instrument Sterilization Fee: A fee of \$2500 annually

Advanced Education Program Fee: \$500 per semester for (Endodontics, General Dentistry, General Practice, Pediatric, Periodontics)

Financial Aid

Postgraduate Programs of UTSD has limited loan and scholarship funds. Eligibility for financial aid varies by program based upon required semester hour enrollment. These funds may be available based on proven financial need and/or academic excellence. A student subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue. Application forms may be obtained from:

Office of Student Financial Services

The University of Texas

Health Science Center at Houston

P. O. Box 20036

Houston, Texas 77225

(713) 500-38.60

Website: <http://www.uth.edu/sfs/>

The office is located in the University Center Tower, Room 2220.

Funds are listed below:

- The Houston Northwest Medical Center Hospital Auxiliary Emergency Loan Fund
- Leo M. Levy Memorial Emergency Loan Fund
- The Patterson-Hettinger-Cary-California Fellowship
- Perkins Loan Program
- PLUS/Supplemental Loan for Students
- Stafford Loans (formerly Guaranteed Student Loan Program)
- State Scholarship
- Texas Public Education Grant
- Women's Auxiliary to the Texas Dental Association

Advanced Education Scholarships

- **Competitive Academic Scholarships**
Competitive Academic Scholarship awards are designed to facilitate the scholastic development of students who are in high academic standing. The benefits of this award are two-fold. A direct financial award, and second, if the recipient is not a resident of

Texas, the change in status to resident tuition if the scholarship award is at least \$1000. All accepted advanced education students and residents at UTSD in a program in which a Competitive Academic Scholarship is offered are eligible. The award is based on documented academic excellence and the criteria for selection therefore include, but are not limited to:

- Grade point average
- National Board scores
- Class standing
- Experience and training
- Pattern of academic achievement
- Graduate record examination
- Specialty area requirements
- Recommendations

The Director of an Advanced Education Program in which scholarships are offered may recommend to the Scholarship Subcommittee of the Advanced Education Committee that one entering student/resident accepted to their Program be awarded a competitive academic scholarship each year. A program is limited to that one entering award per year, plus renewals of prior recipients for subsequent years. Competitive academic scholarships are available and dependent on the availability of Graduate Program funds in each individual Program. The award amount is variable. Each program is responsible for the funding necessary to offer the award. If funds are not available, the award will not be offered.

A student who has received an advanced education competitive academic scholarship may apply for renewal of the scholarship for a subsequent year by submitting a request, together with a supporting letter from the respective Advanced Education Program Director. The student must have maintained at least a “B” academic average. Award of renewal competitive academic scholarships is also dependent upon available funding by the department.

All submissions are considered by the Scholarship Subcommittee of the Advanced Education Committee and are presented to The Advanced Education Committee for final approval. These recommendations are passed to the Director of Advanced Education for submission to the Dean.

- **Dr. Heyl G. Tebo Endowed Scholarship**

Dr. Heyl G. Tebo, former chair of the Department of Anatomical Sciences (now referred to as the Department of Diagnostic and Biomedical Sciences) at UTSD, established an endowment for the purpose of supporting scholarships to be awarded to dentists who are pursuing advanced education (postgraduate/graduate) training. The scholarships are named in honor of Dr. Tebo and are awarded for one year.

Recipients of the Dr. Heyl G. Tebo scholarship are recommended for selection by the Advanced Education Committee to the Dean for final approval. To be eligible for consideration, the applicant must:

- Have completed the first year of his/her advanced education program;

- Show evidence of academic excellence;
- Demonstrate financial need;
- Provide a one-page letter stating why they should be considered to receive this award; and
- Provide a letter of recommendation from his/her Advanced Education Program Director.

Preference is given to native-born Texans who meet the other criteria.

Selection Process:

Each member of the Advanced Education Committee Scholarship subcommittee examines the applications and submits a written evaluation of each student based on the criteria. The entire subcommittee then meets to discuss the evaluations and make recommendations to the entire Advanced Education Committee. The subcommittee has for its deliberations the submitted documentation and confirmation from the UTHHealth Office of the Registrar and the Office of Student Financial Services of the student's financial need and academic excellence. Considerable weight is therefore placed on the recommendation from the Advanced Education Program Director and the letter from the student indicating why they should receive this award. Items such as demonstrated service to the community, professionalism, and ethics are also considered in such deliberations.

Award of the scholarship is based upon available funds being generated within the endowment account.

ACADEMIC STANDARDS

Grading System

In the Postgraduate Program, letter grades are given for basic and clinical science courses. An "A" = 4.0 quality points per semester hour; a "B" = 3.0 quality points; a "C" = 2.0 quality points; and a "D" = 1.0 quality point. Grades of "F" do not carry quality points and "I" (incomplete) indicates unfinished work.

Research, thesis, seminars, special project courses, literature surveys, and comprehensive oral examinations are graded Pass/Fail. Each clinical specialty department has the discretion to grade clinical rotations on a Pass/Fail or letter grade basis.

Grades of D or F must be removed by re-examination, repeating instruction, and/or additional work to the satisfaction of the course director. It is the responsibility of the student to contact the instructor within ten school days to arrange for remediation. The final grade will be the average of the "D" or "F" and the remake grade, but in no case may the final grade be higher than a "C." A grade of "I" (incomplete) may be assigned when required work has not been completed. In these instances, requirements must be met within one semester and any appropriate grade may be assigned by the instructor. Failure to remove the "I" will result in a final grade of "F" on the transcript.

A student may withdraw from a course with permission of the department chairperson up to the midpoint of the semester. A grade of "WP" (withdrawn passing) or "WF" (withdrawn failing) will be assigned to indicate status. After the semester midpoint, the course must be continued and a final grade will be assigned in the course at semester end. Students on academic probation

as described below may not withdraw after the first two weeks of a course.

Grade Requirements

To receive a Master of Science in Dentistry degree and/or Postgraduate Certificate in an advanced education program, a student must have at least a “B” (3.0) cumulative grade point average.

A student will be placed on academic probation at the end of any semester in which the cumulative GPA is below 3.0. A student will be considered for dismissal (1) if the cumulative GPA is below a 3.0 for three consecutive semesters; (2) for failure to remove grades of “I” or “F” in the designated time period of one semester; (3) upon receipt a grade of “F”, and/or (4) for serious scholastic, clinical, or professionalism/ethics difficulties as determined by the Department and administration.

Review of Academic Actions

Advanced Education students (except those participating in the Oral and Maxillofacial Surgery Residency Program) may appeal any academic action to the Associate Dean for Student and Academic Affairs, in writing, within five working days after receipt of their letter stating academic actions. The letter should present the basis upon which the appeal is being requested. If the Associate Dean for Student and Academic Affairs accepts the appeal, the process described below will apply.

The Associate Dean for Student and Academic Affairs will refer the appeal to an ad hoc appeal committee consisting of the Director of Advanced Education, who will serve as chair, and three additional program directors appointed by the Director of Advanced Education. The director of the involved program will not be eligible to serve on the ad hoc appeals committee. The appeal committee will review the circumstances leading to the academic action, meet with the student and other involved individuals, and submit a final recommendation to the Dean within 15 working days of the final committee meeting. The student will be notified of the Dean’s decision within five working days following receipt of the committee’s recommendations. The Dean’s decision is final.

Individuals participating in the Oral and Maxillofacial Surgery Residency Program will be subject to the policies and provisions of the program as described in the OMFS residency manual.

CURRICULUM

The curriculum consists of basic and clinical science courses, conferences, hospital rotations, and clinical conferences that meet the requirements for examination by the various American Specialty Boards and Commission on Dental Accreditation. The courses are scheduled on an academic year basis from July 1 to June 30, and are conducted according to the School of Dentistry academic calendar. Basic and clinical science courses, hospital rotations, clinical activities, and clinical resident conferences may be added, deleted, or modified at the discretion of the school. The official listings of courses available in a given semester are published online by the Office of the Registrar.

Courses of Instruction / Description

Courses of instruction are identified by an eight-digit number. The first four characters indicate the school and program; the first two numbers indicate the specialty area of the basic and clinical sciences in a numerical range of 01-99, and the last two numbers indicate the numerical sequence of the courses offered by the respective basic and clinical sciences specialty or department in a numerical range of 01-99.

Note: Course descriptions are intended to represent skills and knowledge that should accompany successful completion of the course and should not be construed as a guarantee or warranty by UTHHealth of the required level of achievement by every student.

Basic Sciences

Basic Sciences

Core Curriculum

DBPG 1115 *Advanced Basic Sciences I*

Weltman and Lewis. 3 SH. Fall

Students will be provided with an advanced understanding of neurosciences and pharmacology. Topics to be covered in neurosciences may include neurotransmitters as chemical messengers; neural pathways of somatosensation; ascending sensory pathways; motor pathways; clinical entities affecting the spinal cord or peripheral nerves; clinical symptoms of cranial nerve damage; clinical syndromes of the head and neck region; pain reception and peripheral mediation; pain mediation through the dorsal horn and ascending pain pathways-structure, function and pathology; clinical pain in dentistry; and mastication and oral reflexes. Topics in pharmacology may include principles and pharmacokinetics, autonomic drugs, fluoride and anti-plaque agents, neurologic drugs, sedatives, opiate analgesics and anticonvulsants, local anesthetics, antibiotics, anti-inflammatory drugs, antihistamines and corticosteroids, cardiovascular drugs, drug laws and drug abuse, and general anesthetics.

DBPG 1116 *Advanced Basic Sciences II*

Rittman. 4 SH. Spring

Students will be provided with an advanced understanding of tissue fine structure, wound healing, hemostasis, microbiology, and immunology. Topics to be covered in tissue fine structure may include cell structure, epithelia and glands, connective tissue, cartilage, bone and bone formation, other hard tissues, muscle, and peripheral blood vessels, and nerves. Topics to be covered in wound healing may include injury and the initial response, the proliferative phase of healing, epithelization and the remodeling phase, collagen and the ground substance,

angiogenesis in wound healing, healing of bone fractures, muscle and nerve repair, growth factors and wound healing, and nutrition and wound healing. Topics to be covered in hemostasis may include vascular response, endothelial hemostatic balance, platelet microanatomy, function and evaluation, extrinsic and intrinsic coagulation, acute phase response, fibrinolysin, inhibitors of hemostasis, and bleeding disorders and laboratory evaluation prior to dental treatment. Topics to be covered in microbiology may include: basic bacteriology; biofilms, plaque, caries; periodontal pathogens, pulp and periapical infection, diagnostic microbiology, oral virus infections, and oral fungal infections. Topics to be covered in immunology may include introduction, immunoglobulin and antigen-antibody reactions, innate immunity and complement, major histocompatibility complex and antigen processing, b cells and t cells, cytokines and chemokines, cell-mediated immunity and dendritic cells, immunology of wound healing, and inflammation.

Anatomical Sciences

DBPG 1101 *Anatomy (Head & Neck)*

Warner. 3 SH Summer

This course is designed to review basic head and neck anatomy to cover details that may not have been included in a general anatomy course. Each region is treated by lecture followed by dissection. A good faculty-to-student ratio and discussion in the laboratory ensures that the material is being understood and learned. Course Fee: \$500

DBPG 1106 *Cell/Developmental Biology*

Casper 1 SH Fall

This course will familiarize students with principles of molecular biology and provide a basic understanding of genetics and cytogenetics, and a detailed knowledge of development of the craniofacial complex, including formation of the face and the bones of the skull. A review of cell structure and reproduction is included, as well as a session on special techniques the student is likely to encounter in their studies and/or research.

DBPG 1110 *Oral Biology: Development, Structure and Function of Oral Tissues*

Casper 1 SH Fall

Students will have an opportunity to gain a basic understanding of the developmental anatomy, light and ultrastructural microscopic features, biochemistry, and functional properties of oral tissues. In particular, emphasis will be placed on developing and adult mineralized tissues of enamel, dentin, bone, and cementum as well as pulp, periodontium, oral mucosa, and salivary glands. Advanced instruction will include information about current research advances (basic and translational) within each of the topic areas.

Oral Biomaterials

DBPG 1304 *Oral Biomaterials---Endodontics*

Dorn and Bohluli. 1 SH Summer

This didactic and laboratory course is designed to provide the student with the opportunity to learn the biological, chemical, and physical properties of materials used in the endodontic treatment of teeth. This course is offered and complete in the fall semester.

DBPG 1305 *Oral Biomaterials ---Orthodontic Biomechanics and Materials*

English, 2 SH Fall

This didactic and laboratory course is designed to provide the student with the opportunity to learn the properties of materials used in Orthodontics.

The following courses are offered by the Graduate School of Biomedical Sciences.

DBPG 1081 *Oral Biomaterials II*

Paravina 1 SH Fall

This didactic course will provide the student the opportunity to learn current concepts in the oral biomaterials applied to fixed and removable prosthodontics

DBPG 1091 *Oral Biomaterials I*

Ontiveros 1 SH Spring

This didactic course will provide the student the opportunity to learn current concepts in oral biomaterials applied to operative and esthetic dentistry.

Stomatology

DBPG 1612 *Graduate Oral Pathology*

Ogbureke 2 SH Fall

This course is comprised of advanced lectures in oral pathology for students in the various specialties. Topics in this course include the oral manifestations of infectious diseases, inflammatory conditions, odontogenic cysts and neoplasms, selected benign and malignant neoplasms of the soft and hard tissues, salivary gland disorders and mucocutaneous diseases. Emphasis is placed on the pertinent clinical and microscopic findings, treatment, and prognosis and differential diagnosis.

Physiology

DBPG 1804 *Pulp Biology*

Dorn.1 SH Summer

This is a lecture/seminar course designed to provide the student with an in-depth knowledge of the dental pulp, both in health and disease. Emphasis will be placed on the embryology, microanatomy, physiology, and histology of the dental pulp. Both classic and current literature are used to highlight the various pulpal reactions to a variety of irritants, along with associated diagnostic and clinical therapeutic procedures.

Non-Departmental

DBPG 1911 *A-E Research*

Faculty Committee. Variable 1-6 SH Credit given in final semester

Research activity usually includes registration for one - four hours of credit per fall or spring semester, beginning either in the spring preceding graduation or fall of the terminal year. A minimum of four semester hours is required for all degree programs, except Periodontics which requires six. Refer to Graduation Requirements for additional information.

DBPG 1912 *A&C Thesis*

Faculty Committee. 2 SH Credit given in final semester

The student, in consultation with the Clinical Department Chairperson, selects a research project in a basic science area or in a clinically applied specialty area as early as possible. The Department Chairperson appoints a Thesis Committee Chairperson knowledgeable in the area of the research chosen. Other members of the Thesis Committee are chosen by the Department Chairperson and by the Thesis Committee Chairperson.

DBPG 1920 *Applied Sciences II*

Novak 2 SH Summer

This course provides the advanced student with the opportunity to understand the principles of ethics, jurisprudence and risk management, behavioral sciences, and education and teaching methodology.

DBPG 5352 *Biostatistics for Dental Professionals***Neumann. 3 SH. SUMMER**

This course provides the student the opportunity to develop basic competencies in the measurement, design, analysis, interpretation and critical evaluation of health information research and evaluation studies. Students will have the opportunity to learn and apply the most important and most frequently used statistical measures and methods, as well as to critically evaluate their appropriate use in health informatics research and evaluation. Topics include the study of frequency distributions, measures of central tendency, variance, hypothesis testing, correlation and both parametric and non-parametric inferential methods including t-tests, analysis of variance, chi-square tests of significance, and tests of measures of association.

Clinical Sciences**DBPG 1001 *Conscious Sedation I*****Whitmire. 1 SH Summer**

This course will encompass the principles of sedation patient selection, the pharmacology and physiology of certain anesthesia-related topics and limited clinical assignments. The lectures will be concerned primarily with nitrous oxide conscious sedation. Clinical proficiency in the delivery of nitrous oxide is not evaluated in this course, although, didactic requirements for nitrous oxide sedation are fulfilled. This course will complete in the fall semester.

DBPG 1002 *Conscious Sedation II***Whitmire. 1 SH Fall**

The second of two courses, this section of conscious sedation directs its attention to principles and practice of other forms of sedation including oral, intravenous, and intramuscular approaches. This is primarily a didactic course with little clinical management, more clinical application to the patient's history, and clinical presentation. Conscious Sedation I is a prerequisite for Conscious Sedation II.

DBPG 1007 *Practice Management***Weltman, Hindley. 1 SH. Fall**

This course is intended for the student in the final year of matriculation, and will discuss associateships, buying and borrowing, staffing, financial planning-personal insurance and computerization of the dental office.

DBPG 1008 *Graduate Oral Radiology***Zhang 1 SH Spring**

This course offers an in-depth study of skull and related extraoral radiograph techniques. The resident will be introduced to panoramic radiology as well as Direct Digital imaging, both intraoral and extraoral. Localization techniques, image manipulation, and networking will also be presented in this course.

DBPG 1009 *Interdisciplinary Research Seminar I***Akyalcin 1 SH Fall**

This seminar series exposes the graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center.

Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

DBPG 1010 *Interdisciplinary Research Seminar II*
English 1 SH Spring

This seminar series exposes the first-year graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

This course meets at noon every Wednesday. It is required for first-year orthodontic residents for both fall semesters. Interdisciplinary Research Seminar II (DBPG 1009) is a prerequisite for this course.

DBPG 1011 *Interdisciplinary Research Seminar III*
Akylcin 1 SH. Fall

This seminar series exposes the second-year graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

This course meets at noon every Wednesday. It is required for second-year orthodontic residents for both fall semesters. Interdisciplinary Research Seminar II (DBPG 1010) is a prerequisite for this course.

DBPG 1012 *Interdisciplinary Research Seminar IV*
Akylcin 1 SH Spring

This seminar series exposes the second-year graduate student to the various research projects occurring in other disciplines at UTSD as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

This course meets at noon every Wednesday. It is required for second-year orthodontic residents for both fall semesters. Interdisciplinary Research Seminar II (DBPG 1011) is a prerequisite for this course.

Endodontics

DBPG 2004A *Preclinical Graduate Endodontics*
Dorn. 1 SH Summer

The objective of this introductory course is to present major biological and technical aspects of endodontic treatment in a seminar/laboratory setting. The student will learn various instrumentation and obturation modalities in a simulated clinical environment. The student will be expected to develop, enhance, and assess his/his clinical skills prior to beginning the clinical phase of the program.

DBPG 2005 *Endodontic Surgery*
Dorn. 1 SH Spring

The objective of this lecture/seminar course is to provide a comprehensive analysis of contemporary principles of endodontic surgery. At the conclusion of the course, the student will have the opportunity to acquire a sound understanding of the scientific literature and biological

principles that support the surgical skills necessary to properly manage cases not amenable to nonsurgical therapy.

DBPG 2006A *Topical Seminar in Endodontics*

Dorn. 1SH Fall & Spring

This seminar course presents an in-depth analysis of the biological principles and scientific foundation for all aspects of endodontic therapy. A critical evaluation of the classical and contemporary literature will be emphasized to help provide the student with a rationale for clinical treatment. Extensive readings of texts and literature along with presentation of papers directly applicable to endodontics will be required.

DBPG 2006B *Topical Seminar in Endodontics*

Dorn 1 SH Spring

A continuation of topical seminar presented in DBPG 2006A

DBPG 2006C *Topical Seminar in Endodontics*

Dorn 1 SH Fall

A continuation of topical seminar presented in DBPG 2006B

DBPG 2006D *Topical Seminar in Endodontics*

Dorn 1 SH Spring

A continuation of topical seminar presented in DBPG 2006C

DBPG 2008A *Current Literature Seminar*

Dorn. 1SH Fall

This seminar course is intended to broaden the student's background in endodontics through a critical analysis of the current literature.

DBPG 2008B *Current Literature Seminar*

Dorn 1 SH Spring

A continuation of current literature seminar presented in DBPG 2008A

DBPG 2008C *Current Literature Seminar*

Dorn 1 SH Fall

A continuation of current literature seminar presented in DBPG 2008B

DBPG 2008D *Current Literature Seminar*

Dorn 1 SH Spring

A continuation of current literature seminar presented in DBPG 2008C

Oral and Maxillofacial Surgery

DBPG 4001A *Oral and Maxillofacial Surgery Seminar*

Wong 1 SH Summer

This seminar will cover a variety of topics in oral and maxillofacial surgery. The syllabus is composed of a core curriculum repeated every year from July-October and a rotating curriculum for the remainder of the year. Core subjects include hospital protocol, introduction to the management of maxillofacial trauma, maxillofacial infections fluid and electrolyte balance, renal function, head and neck imaging, peri-operative analgesia, soft and hard tissue healing. The rotating curriculum will cover various topics in a three-year cycle, and will include maxillofacial trauma, head and neck cancer, reconstructive and bone graft surgery,

dentoalveolar surgery, pre-prosthetic surgery, facial cosmetic surgery, cleft surgery, TMJ dysfunction, and microneurosurgery.

DBPG 4001B *Oral and Maxillofacial Surgery Seminar*

Wong 1 SH Fall

A continuation of Oral and Maxillofacial Surgery seminar presented in DBPG 4001A

DBPG 4001C *Oral and Maxillofacial Surgery Seminar*

Wong 1 SH Spring

A continuation of Oral and Maxillofacial Surgery seminar presented in DBPG 4001B

DBPG 4002A *Orthognathic Conference*

English. 1 SH Fall

The orthognathic conference is jointly presented by faculty from the Departments of Oral and Maxillofacial Surgery and Orthodontics. Weekly presentations will cover the diagnosis, treatment planning, and treatment of patients with dentofacial deformities. Topics covered will include orthodontics preparation of patients for orthognathic surgery, surgical procedures, distraction techniques, and the management of syndromic patients.

DBPG 4002B *Orthognathic Conference*

English 1 SH Spring

A continuation of orthognathic conference presented in DBPG 4002A

DBPG 4002C *Orthognathic Conference*

English 1 SH Fall

A continuation of orthognathic conference presented in DBPG 4002B

DBPG 4002D *Orthognathic Conference*

English 1 SH Spring

A continuation of orthognathic conference presented in DBPG 4002C

DBPG 4003A *Clinico-Pathlogic Conference (CPC)*

Gilbert. 1 SH Summer

The CPC is a 20 – 30 minute presentation incorporated into the Department of Oral Maxillofacial Surgery's weekly meeting at Methodist. Interesting pathology cases are presented using a clinical approach. Emphasis is placed on the initial presentation, interpreting radiographic and serological results, development of a differential diagnosis, and confirmation of the diagnosis with histology. Treatment measures are also discussed.

DBPG 4003B *Clinico-Pathlogic Conference (CPC)*

Gilbert 1 SH Fall

A continuation of clinico-pathlogic conference (cpc) presented in DBPG 4003A

DBPG 4003C *Clinico-Pathlogic Conference (CPC)*

Gilbert 1 SH Spring

A continuation of clinico-pathlogic conference (cpc) presented in DBPG 4003B

Orthodontics

DBPG 5005A *Current and Classical Literature in Orthodontics I*

English. 1 SH Fall

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question/answer/discussion follow each abstract presentation. Topics in Orthodontics I (DBPG 5010) is a prerequisite for this course.

DBPG 5005B *Current and Classical Literature in Orthodontics II*

English. 1 SH Spring

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the resident assigned that article. A short question/answer/discussion follow each abstract presentation. Current and Classic Literature in Orthodontics I (DBPG 5005A) is a prerequisite for this course.

DBPG 5005C *Current and Classical Literature in Orthodontics III*

English. 1SH Fall

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the resident assigned that article. A short question/answer/discussion follow each abstract presentation. Current and Classic Literature in Orthodontics I (DBPG 5005B) is a prerequisite for this course.

DBPG 5005D *Current and Classical Literature in Orthodontics IV*

English. 1SH Spring

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the resident assigned that article. A short question/answer/discussion follow each abstract presentation. Current and Classic Literature in Orthodontics I (DBPG 5005C) is a prerequisite for this course.

DBPG 5010 *Topics in Orthodontics I*

English. 2 SH Summer

This advanced course provides the student with the opportunity to learn the scientific knowledge, biomechanical principles, and orthodontic techniques required to diagnose, treatment plan, and correct routine and complex malocclusions of growing and skeletally mature patients. Students are required to make oral case presentations of patients diagnosed and treated in the postgraduate clinic. Class time is a combination of lectures, seminars, laboratories and clinical activities. Topics include orthodontic diagnosis and treatment planning, cephalometrics and radiology, orthodontic and orthodontic appliance design, orthodontic techniques, dentofacial orthopedics, biomechanical principles, interdisciplinary comprehensive care, interdisciplinary care lecture series, clinical photography, and clinical orthodontic treatments/cases management.

DBPG 5011 *Topics in Orthodontics II*

English. 4 SH Fall

See DBPG 5010 for course description.

DBPG 5012 *Topics in Orthodontics III*

English. 4 SH. Spring

See DBPG 5011 for course description.

DBPG 5013 *Topics in Orthodontics IV*

English. 2 SH Summer

This advanced course provides the student with advanced knowledge in orthodontic diagnosis, analysis/case management, and treatment. Various approaches to routine orthodontic tooth movement, dentofacial orthopedic techniques, surgical-orthodontic techniques, and techniques for managing cleft palate and craniofacial deformities patients are presented. Instruction in different topic areas consists of a combination of lectures, seminars, laboratories, and clinical activities throughout the year. Students are required to make oral case presentations throughout the year on patients they are treating in the postgraduate or craniofacial deformities clinic. At the completion of the course each resident is required to present a comprehensive oral and written case analysis of some or all their patients to the faculty. Topics in Orthodontics I (DBPG 5012) is a prerequisite for this course.

DBPG 5014 *Topics in Orthodontics V***English. 4 SH. Fall**

See DBPG 5013 for course description.

DBPG 5015 *Topics in Orthodontics VI***English. 4 SH Spring**

See DBPG 5013 for course description

DBPG 5016 *Craniofacial Growth and Development I***Akylcin 2 SH Spring**

This course will provide the student with a basic understanding of prenatal and postnatal craniofacial growth and development as it relates to orthodontic diagnosis and treatment planning. Topics include molecular aspects of prenatal craniofacial patterning, clinical genetics, syndrome delineation, general concepts of physical growth, postnatal development of the cranial vault, cranial base, midface and mandible, patterning and control mechanisms during postnatal development, correlative growth and facial growth prediction, speech and language development, and relevant aspects of cognitive, emotional, and psychosocial development. Instruction will utilize lectures, seminars/discussions, and student presentations. Topics in Orthodontics I (DBPG 5010) is a prerequisite for this course.

DBPG 5017 *Craniofacial Growth and Development II***English 2 SH Fall**

A continuation of Craniofacial Growth and Development Part I

DBPG 5020 *Orthodontic Practice Management***English.1SH. Spring**

This orthodontic practice management course will focus on the business aspects of an orthodontic practice. It will include the AAO Practice Alternative Program, valuation of orthodontic practices, bank-related issues, development of a practice plan, insurance issues including professional liability and disability, and computerization of the orthodontic office.

Pediatric Dentistry**DBPG 6001A *Topics in Pediatric Dentistry I*****Badger, Faculty. 2SH. SUMMER**

This advanced course provides the student with the knowledge, principles and comprehensive understanding of Pediatric Dentistry required to diagnose, formulate treatment plans and provide quality patient care. Class time is a combination of lectures, seminars, and clinical activities. Students are presented with a series of topics covering areas of Pediatric Dentistry in lecture

and discussion format by the faculty. Students are required to make oral case presentations. Written and oral exams are given to verify each student has mastered all topic areas which are required for completion of certificate requirements. (This is for DBPG 6001A)

DBPG 6001B *Topics in Pediatric Dentistry I*

Badger, Faculty. 2SH. Fall

A continuation of advanced topics presented in DBPG 6001A.

DBPG 6001C *Topics in Pediatric Dentistry I*

Badger, Faculty. 2SH Spring

A continuation of advanced topics presented in DBPG 6001B.

DBPG 6001D *Topics in Pediatric Dentistry II*

Badger, Faculty. 2SH. Summer

This advanced course continues to provide the student with advanced knowledge and comprehensive understanding of Pediatric Dentistry. Class time is a combination of lectures, seminars, and clinical activities. Students are presented with a series of topics covering areas of Pediatric Dentistry in lecture and discussion format by the faculty. Students are required to make oral case presentations throughout the year. Written and oral exams are given to verify each student has mastered all the topic areas which are required for completion of certificate requirements. Topics in Pediatric Dentistry I (DBPG 6001) is a prerequisite for this course (This is for DBPG 6001D)

DBPG 6001E *Topics in Pediatric Dentistry II*

Badger, Faculty. 2SH. FALL

A continuation of advanced topics presented in DBPG 6001.

DBPG 6001F *Topics in Pediatric Dentistry II*

Badger, Faculty. 2SH. SPRING

A continuation of advanced topics presented in DBPG 6001.

DBPG 6007A *Current & Classical Literature Review in Pediatric Dentistry I*

Badger. 1SH. FALL

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Topics in Pediatric Dentistry I (DBPG 6001) is a prerequisite for this course.

DBPG 6007B *Current & Classical Literature Review in Pediatric Dentistry I*

Badger. 1SH. SPRING

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite.

DBPG 6007C *Current & Classical Literature Review in Pediatric Dentistry II*

Badger. 1SH. SUMMER

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation

Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite for this course.

DBPG 6007D *Current & Classical Literature Review in Pediatric Dentistry II*

Badger. 1SH. FALL

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite for this course.

DBPG 6007E *Current & Classical Literature Review in Pediatric Dentistry II*

Badger. 1SH. SPRING

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite for this course.

DBPG 6016 *Pediatric Seminar in Craniofacial Development I*

Badger2SH. SPRING

This course covers the growth and development didactic criteria, including (1) biology of craniofacial development and tooth movement, (2) facial growth, (3) orthodontic diagnosis, (4) orthodontic treatment planning, and (5) interceptive orthodontic treatment.

DBPG 6017 *Pediatric Seminar in Craniofacial Development II*

Badger. 2SH. FALL

This course involves the review of etiology, manifestations and treatment considerations of syndromes affecting patients commonly treated by Pediatric Dentists. Through this seminar course, participants will discuss these syndromes based on (1) presentation of developmental anomaly and systems involved, if applicable, (2) treatment modifications, (3) medical management of the patient, and (4) pertinent research on disease etiology. Additionally, speech and hearing specialists who work with affected children will discuss various therapies available to treat these patients.

Periodontics

DBPG 7008 *Dental Implant Lecture Series*

Trejo. 2 SH SPRING

This course introduces first-year periodontology students to the broad discipline of implant dentistry. Implant Seminars I and II are offered to second- year students in the spring and fall semesters, respectively. These seminars will provide additional didactic exposure. The course consists of a series of lectures given by faculty members and practitioners involved with dental implants. The lectures will include diagnosis and treatment planning, surgical and prosthetic considerations, and implant maintenance. Additionally, as part of the course, the students will be required to treatment plan a case incorporating dental implants. Implants concepts based on scientific literature, rather than concepts based on non-validated dogmas, will be emphasized through the course.

DBPG 7009A *Topics in Periodontics*

Weltman & Faculty 2 SH Fall

This series of seminars, which extend sequentially through three semesters, concentrate in a thorough, in-depth review, discussion, and evaluation of the periodontal literature related to different aspects of therapy. All non-surgical and surgical approaches, as well as different aspects of the occlusion are reviewed. Weekly papers are required on specific assigned topic. An oral presentation of the subject, by one of the graduate students, will be followed by a discussion with participation of all the students, under the direction of the faculty member conducting the seminar.

DBPG 7009B *Topics in Periodontics*

Weltman & Faculty 2 SH Spring

A continuation of topics in periodontics present in DBPG 7009A.

DBPG 7009C *Topics in Periodontics*

Weltman & Faculty 2 SH Fall

A continuation of topics in periodontics present in DBPG 7009B.

DBPG 7009D *Topics in Periodontics*

Weltman & Faculty 2 SH Spring

A continuation of topics in periodontics present in DBPG 7009C.

DBPG 7009E *Topics in Periodontics*

Weltman & Faculty 2 SH Fall

A continuation of topics in periodontics present in DBPG 7009D.

Prosthodontics

DBPG 8006A *Periodontics/Prosthodontic/Endodontics Conference I*

Belles, Weltman and Weisleder 1 SH Spring

This course requires a periodontic student and a prosthodontic resident to jointly prepare a patient's case for diagnosis and treatment planning conference. The students will be scheduled to present this patient case to their peer group and mentors. The mentors in attendance will evaluate and grade the students' presentation and audience participation. Objectives are learning the process of determining a differential dental diagnosis, developing optional treatment plans, learning sequential treatment planning, evaluation of the dental fees to the patient, learning coordinated interdisciplinary care, and preparing and delivering case presentations.

DBPG 8006B *Periodontics/Prosthodontic/Endodontics Conference II*

Belles, Weltman and Weisleder 1 SH Spring

This course requires a periodontic student and a prosthodontic resident to jointly prepare a patient's case for diagnosis and treatment planning conference. The students will be scheduled to present this patient case to their peer group and mentors. The mentors in attendance will evaluate and grade the students' presentation and audience participation. Objectives are learning the process of determining a differential dental diagnosis, developing optional treatment plans, learning sequential treatment planning, evaluation of the dental fees to the patient, learning coordinated interdisciplinary care, and preparing and delivering case presentations.

DBPG 8006C *Periodontic/Prosthodontic Conference III*

Belles, and Weltman 1 SH Spring

This course requires a periodontic student and a prosthodontic resident to jointly prepare a patient's case for diagnosis and treatment planning conference. The students will be scheduled to present this patient case to their peer group and mentors. The mentors in attendance will

evaluate and grade the students' presentation and audience participation. Objectives are learning the process of determining a differential dental diagnosis, developing optional treatment plans, learning sequential treatment planning, evaluation of the dental fees to the patient, learning coordinated interdisciplinary care, and preparing and delivering case presentations.

DBPG 8010 *Graduate Prosthodontics I*

Belles. 2SH Summer

This is a preclinical course for first-year advanced prosthodontic students. It includes all of the clinical and laboratory phases of complete denture therapy and the first half of a two semester course in occlusion.

Clinical Activities

DBPG 2001 *Endodontic Clinic I*

Dorn. 2-7 SH

DBPG 2002 *Endodontic Clinic II*

Dorn 2-7 SH

DBPG 2003 *Endodontic Clinic III*

Dorn. 2-7 SH

DBPG 5001 *Orthodontic Clinic I*

English. 2-5 SH

DBPG 5002 *Orthodontic Clinic II*

English. 2-5 SH

DBPG6005 *Pediatric Clinic I*

Badger. 1SH

DBPG6006 *Pediatric Clinic II*

Badger. 1 SH

DBPG 7001 *Periodontal Clinic I*

Weltman. 1-5 SH

DBPG 7002 *Periodontal Clinic II*

Weltman. 1-5 SH

DBPG7003 *Periodontal Clinic III*

Weltman. 1-5 SH

DBPG 8001 *Prosthodontic Clinic I*

Belles. 1-5 SH

DBPG 8002 *Prosthodontic Clinic II*

Belles. 1-5 SH

DBPG 8005 *Prosthodontic Clinic III*

Belles. 3-6 SH

ADVANCED EDUCATION PROGRAMS

The basic and clinical science courses, clinical activities, clinical conferences, and hospital rotation may vary according to changes dictated by requirements for accreditation by the particular American Specialty Board.

Endodontics

26 Month Program

The Advanced Education Program in Endodontics is an academically intense 26 Month Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association and leads to the award of a Specialty Certificate in Endodontics and a Master of Science in Dentistry degree. Award of the Certificate and Degree requires completion of 68 semester hours of formal courses.

First Year

Course	Number	Credit Hours
SUMMER SESSION		
Anatomy-Head and Neck (Course Fee: \$500)	DBPG 1101	3
Oral Biomaterials-Endodontics	DBPG 1304	1
Pulp Biology	DBPG 1804	1
Conscious Sedation I	DBPG 1001	1
Endodontic Pre-Clinical Technique	DBPG 2004A	1
Biostatistics for Dental Professionals	DBPG 5352	3
FALL SEMESTER:		
Cell / Development Biology	DBPG 1106	1
Oral Biology: Development, Structure Function of Oral Tissues	DBPG 1110	1
Advanced Basic Sciences I	DBPG 1115	3
Conscious Sedation II	DBPG 1002	1
Endodontic Clinic	DBPG 2001A	4
Topical Seminar in Endodontics	DBPG 2006A	1
Current Literature Seminar	DBPG 2008A	1
Spring Semester:		
Applied Basic Sciences II	DBPG 1116	4
Endodontic Clinic I	DBPG 2001B	4
Endodontic Surgery	DBPG 2005	1
Topical Seminar in Endodontics	DBPG 2006B	1
Current Literature Seminar	DBPG 2008B	1
TOTALS:		33

Second Year

Course	Number	Credit Hours
SUMMER SESSION:		
Applied Sciences II	DBPG 1920	2
Endodontic Clinic II	DBPG 2002A	4
FALL SEMESTER:		
Graduate Oral Pathology	DBPG 1612	2
Endodontic Clinic II	DBPG 2002B	5
Topical Seminar in Endodontics	DBPG 2006C	1
Current Literature Seminar	DBPG 2008C	1
Research	DBPG 1911	2
Practice Management	DBPG 1007	1
SPRING SEMESTER:		
Endodontic Clinic II	DBPG 2002C	7
Topical Seminar in Endodontics	DBPG 2006D	1
Current Literature Seminar	DBPG 2008D	1
Research	DBPG 1911B	2
TOTALS:		29

Third Year

Course	Number	Credit Hours
SUMMER SESSION:		
Endodontic Clinic III	DBPG 2003A	4
Thesis	DBPG 1912A	2
TOTALS		6

- Practice Teaching
- Semester schedules are published by the Program Director.
- Written and oral progress evaluation are performed each semester by the Program Director.

Advanced Education General Dentistry (AEGD)

One-Year Program (with optional second year)

The advanced education program in general dentistry (AEGD) requires satisfactory completion of the following for award of the residency certificate:

First Year

Course	Number	Credit Hours
SUMMER SESSION:		
Conscious Sedation I	DBPG 1001	1
<ul style="list-style-type: none">• 2-week hands-on and mini-lecture courses in Prosthodontics,• Endodontic, Dental Photography, Periodontal techniques, Oral• Medicine, Oral Surgery Laser Therapy, E4D CEREC training, CBCT and Virtual Implant Planning• Weekly 4 hr seminars in Diagnosis & Treatment Planning• General Dentistry Clinic		
FALL SEMESTER:		
Oral Biomaterials I	DBPG 1081	1
<ul style="list-style-type: none">• Weekly 4 hour seminars in Diagnosis & Trt Plng.• Current Literature Seminars• Implant hands-on courses (3-4 different system, surgical and prosthetic)• Weekly lunch and learn or morning courses• Preparation/Presentation of Table Clinic at GHDS• General Dentistry Clinic		
SPRING SEMESTER:		
Oral Biomaterials II	DBPG1091	1
<ul style="list-style-type: none">• 12 weekly seminars in Implantology• Implant hands-on courses (3-4 systems surgical and prosthetic)• 10 weekly seminars in Periodontics• Weekly 4 hour seminars in Diagnosis & Trt. Plng.• Weekly lunch and learn or morning courses• General Dentistry Clinic		
TOTALS:		3
<ul style="list-style-type: none">• Monthly/weekly schedules are published by the Program Director.• Written and oral progress evaluations are performed three times per year by the Program Director.		

AEGD Optional Second Year:

Course	Number
SUMMER SESSION:	
DBPG 1920	Applied Sciences II
FALL SEMESTER:	

DBPG1007 Practice Management

SPRING SEMESTER:

DBPGA 8006A Perio / Pros Tx Planning Conference

ROTATIONS:

The Houston Department of Health and Human Services, Bureau of Oral Health, Pediatric Clinics

OPTIONAL:

- The UT M. D. Anderson Cancer Center, Maxillofacial Prosthetic and Dental Oncology
- Clinic (US top cancer center)
- The Bering Omega HIV/AIDS clinic (a United Nations model agency)
- San Jose Charity Clinic (the region largest and most comprehensive charity care clinic)

TEACHING:

Fourth year undergraduate dental clinic

CLINIC:

70% plus

General Practice Residency (GPR)

One-Year Program (with optional second year)

The advanced education (residency) program in general practice (GPR) requires satisfactory completion of the following for award of the residency certificate:

First Year

ROTATIONS DURING YEAR OFF SITE:

- Oral Surgery (OMFS)
- ENT
- Internal Medicine
- Anesthesiology

Course	Number	Credit Hours
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SUMMER SESSION:

Conscious Sedation I	DBPG 1001	1
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FALL SEMESTER:

Conscious Sedation II	DBPG 1002	1
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- 10 weekly seminars in Periodontics
- Selected seminars in Oral Biomaterials I
- Weekly to biweekly seminars in Diagnosis & Trt Plng.

- Restorative Dentistry Clinic

SPRING SEMESTER:

Oral Biomaterials II	DBPG 1091	1
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- 12 weekly seminars in Implantology
- Implant hands-on courses (3-4 different systems, surgical and prosthetic)
- 10 weekly seminars in Periodontics
- Weekly 4 hr seminars in Diagnosis & Trt.Plng.
- Weekly lunch and learn or morning courses
- General Dentistry Clinic

TOTALS:	3
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Optional Second Year:

Course	Number	Credit Hours
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SUMMER SESSION:

Applied Sciences II	DBPG 192	2
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FALL SEMESTER:

Practice Management	DBPG 1007	1
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SPRING SEMESTER:

Perio/Pros Treatment Planning	DBPG 8006A	1
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- Conference

ROTATIONS:

- Anesthesia
- Oncology (@ LBJ)
- OMFS
- MD Anderson

CLINIC:

- 80% plus

CALL WITH FACULTY

Oral and Maxillofacial Surgery (OMFS)

Four -Year Program

The four-year advanced education (residency) program in oral and maxillofacial surgery requires satisfactory completion of the following for award of the OMFS specialty certificate:

SCHEDULE OF DEPARTMENT CONFERENCES:

ORTHOGNATHIC SURGERY SEMINAR

Mondays, 7:00 – 8:00 AM UTSD, Room 6520

The goals and objectives of the Orthognathic Surgery Seminar are: 1) To provide residents with a comprehensive didactic experience in the diagnosis and combined surgical-orthognathic management of patients with cranio-maxillofacial and cleft deformities, 2) to provide an interactive environment for members of the Departments of Oral and Maxillofacial Surgery and Orthodontics to discuss and formulate treatment plans for actual clinical cases and 3) to provide an interactive environment for members of the Department of OMS and Orthodontics to audit the results of combined cases.

OMS SEMINAR

Tuesdays, 7:00 – 8:00 AM UTSD, Room 6520

The OMS Seminar series is organized into two categories of lectures. The core category is conducted in the first three months of the academic year and covers essential material required by junior grade residents to function on-call and in a hospital environment. Upper level residents find these lectures a helpful review of basic material. The second category of lectures is composed of a series of rotating topics in all the major subject areas of the specialty. These topics will be repeated every three years, enabling all residents to hear the lectures at least twice during their residency. The goal of this conference is to provide residents with in-depth knowledge in these selected areas. Invited speakers from other specialties and institutions are often featured during this seminar.

CLINICO-PATHOLOGIC-CONFERENCE

Thursdays, 7:00 – 8:00 AM TMH

The goals and objectives of the CPC are to review the diagnosis and management of oral pathology. These sessions are presented by residents who gain experience in oral presentation techniques and computerized slide making. The question and answer sessions which follow the presentation are opportunities for Socratic teaching and are felt to help residents prepare for future oral examinations.

Department of Oral and Maxillofacial Surgery

4 Year OMS Certificate Program Outline

Year	Activity	Duration
PGY 1	OMS	12 months
PGY 2	Internal Medicine	3 months
PGY 2	Anesthesia	4 months
PGY 2	Neurosurgery	1 months
PGY 2	OMS	4 months
PGY 3	OMS	7 months
PGY 3	Pediatric Anesthesia	1 month
PGY 3	General Surgery	4 months
PGY 4	OMS Chief Residency	12 months

Oral and Maxillofacial Surgery

Six-Year Program/Dual Degree Program

The six-year advanced education (dual degree) program in oral and maxillofacial surgery requires satisfactory completion of the following for the award of the MD degree and OMFS specialty certificate (OMFS/MD):

SCHEDULE OF DEPARTMENT CONFERENCES:

ORTHOGNATHIC SURGERY SEMINAR

Mondays, 7:00 – 8:00 AM MSB B.603

The goals and objectives of the Orthognathic Surgery Seminar are: 1) To provide residents with a comprehensive didactic experience in the diagnosis and combined surgical-orthognathic management of patients with cranio-maxillofacial and cleft deformities, 2) to provide an interactive environment for members of the Departments of Oral and Maxillofacial Surgery and Orthodontics to discuss and formulate treatment plans for actual clinical cases and 3) to provide an interactive environment for members of the Department of OMS and Orthodontics to audit the results of combined cases.

OMS SEMINAR

Tuesdays, 7:00 – 8:00 AM MSB 2.135

The OMS Seminar series is organized into two categories of lectures. The core category is conducted in the first three months of the academic year and covers essential material required by junior grade residents to function on-call and in a hospital environment. Upper level residents find these lectures a helpful review of basic material. The second category of lectures is composed of a series of rotating topics in all the major subject areas of the specialty. These topics will be repeated every three years, enabling all residents to hear the lectures at least twice during their residency. The goal of this conference is to provide residents with in-depth knowledge in these selected areas. Invited speakers from other specialties and institutions are often featured during this seminar.

CLINICO-PATHOLOGIC-CONFERENCE

Thursdays, 7:00 – 8:00 AM TMH, Dunn/Guadalupe-Pecos

The goals and objectives of the CPC are to review the diagnosis and management of oral pathology. These sessions are presented by residents who gain experience in oral presentation techniques and computerized slide making. The question and answer sessions which follow the presentation are opportunities for Socratic teaching and are felt to help residents prepare for future oral examinations.

M&M CONFERENCE

Final Tuesday of every other 7:00 – 8:00 MSB 2.135

The bi-monthly Morbidity and Mortality Conference presented by the chief residents. Each resident summarizes the clinical activity of the hospital services and reports on any morbidity or mortality. Significant morbidity is the discussed in a mini-presentation with an analysis of events, recommendation for corrective action and a relevant literature review. These discussions are developed with the assistance and approval of the faculty member responsible for the case.

Department of Oral and Maxillofacial Surgery

Integrated OMFS/MD Program Outline

Year	Activity	Duration
PGY 1	OMS	12 months
PGY 2	OMS	2 months
PGY 2	MS II (USMLE Step 1)	10 months
PGY 3	MS III	12 months
PGY 4	MS 4 (USMLE Step 2)	3 months
PGY 4	Neurosurgery	1 month
PGY 4	Anesthesia (OMS Rotation)	4 months
PGY 4	OMS	4 months
PGY 4	Pedi Anesthesia	1 months
PGY 5	General Surgery Internship (USMLE Step 3)	4 months
PGY 5	OMS	7 months
PGY 6	OMS Chief Residency	12 months

Orthodontics

26-Month Program

The Advanced Education Program in Orthodontics is an academically intense 26-month Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association, and leads to the award of a Specialty Certificate in Orthodontics and an optional Master of Science in Dentistry degree.

First Year

Course	Number	Credit Hours
SUMMER SESSION:		
Anatomy-Head and Neck (Course Fee \$500)	DBPG 1101	3
Biostatistics for Dental Professionals	DBPG 5352	3
Orthodontic Clinic I	DBPG 5001A	3
Topics in Orthodontics	DBPG 5010	2
FALL SEMESTER:		
Cell/Development Biology	DBPG 1106	1
Oral Biology: Development, Structure Function of Oral Tissues	DBPG 1110	1
Oral Biomaterials	DBPG 1305	2
Interdisc. Res. Seminar	DBPG 1009	1
Orthognathic Seminar	DBPG 4002A	1

Ortho Clinic I	DBPG 5001B	5
Current / Classic Lit	DBPG 5005A	1
Topics in Orthodontics II	DBPG 5011	4
SPRING SEMESTER:		
Interdisc Res Seminar II	DBPG 1010	1
Orthognathic Seminar	DBPG 4002B	1
Orthodontic Clinic I	DBPG 5001C	5
Current / Classical Lit II	DBPG 5005B	1
Topics in Orthodontics III	DBPG 5012	4
Craniofacial Growth & Dev I	DBPG 5016	2
Ortho Practice Management *(take one time in odd year)	DBPG 5020	1
TOTALS:		42

Second Year

Course	Number	Credit Hours
SUMMER SESSION:		
Applied Sciences II	DBPG 1920	2
Orthodontics Clinic II	DBPG 5002A	5
Topics in Orthodontics IV	DBPG 5013	2
FALL SEMESTER:		
Graduate Oral Pathology	DBPG 1612	2
Interdiscip. Res. Seminar	DBPG 1011	1
Orthognathic Seminar	DBPG 4002C	1
Orthodontic Clinic II	DBPG 5002B	5
Current / Classical Lit. III	DBPG 5005C	1
Topics in Orthodontics V	DBPG 5014	4
Cranio-Facial Growth & Dev.	DBPG 5017	2
SPRING SEMESTER:		
Research	DBPG 1911A	2
Grad Oral Radiology	DBPG 1008	1
Interdisc. Res. Seminar IV	DBPG 1012	1
Orthognathic Seminar	DBPG 4002D	1
Orthodontic Clinic II	DBPG 5002C	5
Current / Classical Lit IV	DBPG 5005D	1
Topics in Orthodontics VI	DBPG 5015	4
TOTALS:		40

Third Year

Course	Number	Credit Hours
SUMMER SESSION:		
Research	DBPG 1911B	2
Thesis	DBPG 1912A	2
Orthodontic Clinic III	DBPG 5003	2
TOTALS:		6

Research / Thesis

Candidates for the Master of Science in Dentistry Degree must complete an original research project, write the thesis and submit a publishable version of the research to the Department.

Candidates for the certificate in orthodontics must complete a research project and submit a publishable version of the research activity of the Department.

Semester schedules are published by the program director.

Satisfactory written and oral progress evaluations are completed quarterly by the Program Director after consultation with the appropriate faculty.

Pediatric Dentistry

Two -Year Program

The Advanced Education Program in Pediatric Dentistry is an academically intense 24 month Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association and leads to the award of a Specialty Certificate in Pediatric Dentistry and an optional Master of Science in Dentistry degree.

First Year

Course	Number	Credit Hours
SUMMER SESSION:		
Conscious Sedation I	DBPG 1001	1
Topics in Pediatric Dentistry	DBPG 6001A	2
Pediatric Clinic I	DBPG 6005A	1
Applied Sciences II	DBPG 1920	2
Biostatistics for Dental Professionals	DBPG 5352	3
FALL SEMESTER:		
Advanced Basic Sciences I	DBPG 1115	3
Graduate Oral Pathology	DBPG 1612	2
Conscious Sedation II	DBPG 1002	1
Topics in Pediatric Dentistry I	DBPG 6001B	2

Pediatric Clinic I	DBPG 6005B	1
Current & Classical Literature Review in Pediatric Dentistry I	DBPG 6007A	1
SPRING SEMESTER:		
Pediatric Seminar in Craniofacial Development I	DBPG 6016	2
Grad Oral Radiology	DBPG 1008	1
Topics in Pediatric Dentistry I	DBPG 6001C	2
Pediatric Clinic I	DBPG 6005C	3
Current & Classical Literature Review in Pediatric Dentistry I	DBPG 6007B	1
TOTALS:		28

Second Year

Course	Number	Credit Hours
SUMMER SESSION:		
Topics in Pediatric Dentistry II	DBPG 6001D	2
Pediatric Clinic II	DBPG 6006A	3
Current & Classical Literature Review in Pediatric Dentistry II	DBPG 6007C	1
FALL SEMESTER:		
Pediatric Seminar in Craniofacial Development II	DBPG 6017	2
Topics in Pediatric Dentistry II	DBPG 6001E	2
Pediatric Clinic II	DBPG 6006B	2
Current & Classical Literature Review in Pediatric Dentistry II	DBPG 6007D	1
Research	**DBPG 1911A	2
SPRING SEMESTER:		
Topics in Pediatric Dentistry II	DBPG 6001F	2
Pediatric Clinic II	DBPG 6006C	3
Current & Classical Literature Review in Pediatric Dentistry II	DBPG 6007E	1
Research	**DBPG 1911B	2
Thesis	**DBPG 1912A	2
TOTALS:		25

Annual schedules are published by the Program Director to include clinical rotations.

Written progress evaluations are completed each semester by the Program Director in consultation with the graduate faculty.

**** MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY**

Periodontics

Three -Year Program

The Advanced Education (graduate) Program in requires satisfactory completion of the following for award of the Master of Science in Dentistry degree and specialty certificate.

First Year

Course	Number	Credit Hours
SUMMER SESSION:		
Anatomy-Head and Neck (Course Fee \$500)	DBPG 1101	3
Conscious Sedation I	DBPG 1001	1
Periodontics Clinic I	DBPG 7001A	1
Biostatistics for Dental Professionals	DBPG 5352	3
Periodontal Therapy I		
Introduction to Intra-Oral Photography		
Physical Diagnosis at VA Hospital		
FALL SEMESTER:		
Graduate Oral Pathology	DBPG 1612	2
Advanced Basic Sciences I	DBPG 1115	3
Conscious Sedation II	DBPG 1002	1
Periodontics Clinic I	DBPG 7001B	3
Topical Seminars in Periodontics	DBPG 7009A	2
Physical Diagnosis at VA-continues		
Current Literature		
Clinical Conference		
Bering Clinic		
Graduate Introduction to Implant		
Prosthodontics		
Mucocutaneous Clinic		
SPRING SEMESTER:		
Advanced Basic Sciences II	DBPG 1116	4
Periodontics Clinic I	DBPG 7001C	3
Dental Implant Lecture Series	DBPG 7008	2

Topical Seminars in Periodontics	DBPG 7009B	2
Perio/Pros Conference	DBPG 8006A	1
Current Literature		
Clinical Conference		
Bering Clinic Rotation		
Mucocutaneous Clinic		
TOTALS:		31

Second Year

Course	Number	Credit Hours
SUMMER SESSION:		
Research	DBPG 1911A	2
Periodontics Clinic II	DBPG 7002A	4
Bering Clinic Rotation		
FALL SEMESTER:		
Cell / Development Biology	DBPG 1106	1
Oral Biology: Development, Structure and Function of Oral Tissues	DBPG 1110	1
Periodontics Clinic II	DBPG 7002B	5
Topical Seminars in Periodontics	DBPG 7009C	2
Current Literature		
Clinical Conference		
Bering Clinic		
Mucocutaneous Clinic		
Implant Seminar		
SPRING SEMESTER:		
Research	DBPG 1911B	1
Periodontics Clinic II	DBPG 7002C	5
Topical Seminars in Periodontics	DBPG 7009D	2
Perio/Pros Conference	DBPG 8006B	1
Current Literature		
Clinical Conference		
Bering Clinic		
LBJ Anesthesia Rotation		
Mucocutaneous Clinic		
TOTALS:		24

Third Year

Course	Number	Credit Hours
SUMMER SESSION:		
Research	DBPG 1911C	1
Applied Sciences II	DBPG 1920	2
Periodontics Clinic III	DBPG 7003A	3
Bering Rotation		
FALL SEMESTER:		
Research	DBPG 1911D	1
Practice Management	DBPG 1007	1
Periodontics Clinic III	DBPG 7003B	5
Topical Seminars in Periodontics	DBPG 7009E	2
Current Literature		
Clinical Conference		
Bering Clinic		
Mucocutaneous Clinic		
SPRING SEMESTER:		
Research	DBPG 1911E	1
Thesis	DBPG 1912A	2
Periodontics Clinic III	DBPG 7003C	5
Perio/Pros Conference	DBPG 8006C	1
Current Literature		
Clinical Conference		
Bering Clinic		
Mucocutaneous Clinic		
TOTALS:		24

Practice Teaching

Annual/Semester schedules are published by the Program Director.

Written and oral progress evaluations are performed at the end of each semester by the Program Director.

Prosthodontics

Three -Year Program

The Advanced Education Program in Prosthodontics is an academically intense three-year Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association and leads to the award of a Specialty Certificate in Prosthodontics and a Master of Science Degree.

First Year

Course	Number	Credit Hours
SUMMER SESSION:		
Anatomy-Head and Neck (Course Fee \$500)	DBPG 1101	3
Graduate Prosthodontics I	DBPG 8010	2
Biostatistics for Dental Professionals	DBPG 5352	3
FALL SEMESTER:		
Advanced Basic Sciences I	DBPG 1115	3
Graduate Oral Pathology	DBPG 1612	2
Graduate Prosthodontic Clinic I	DBPG 8001A	4
Classical Prosthodontic Literature Review I		
Gnathologic Instrumentation Study Club I		
Graduate Prosthodontic Resident Case Presentation Conference I		
Graduate Implantology Seminar		
Graduate Prosthodontic Treatment Planning Conference I		
Current Prosthodontic Literature Review I		
SPRING SEMESTER:		
Advanced Basic Sciences II	DBPG 1116	4
Graduate Prosthodontic Clinic I	DBPG 8001B	4
Periodontic/Prosthodontic Conference I	DBPG 8006A	1
Classical Prosthodontic Literature Review I		
Current Prosthodontic Literature Review I		
Gnathologic Instrumentation Study Club I		
Graduate Prosthodontic Resident Case Presentation Conference I		
Graduate Prosthodontic Treatment Planning Conference I		
TOTALS:		26

Second Year

Course	Number	Credit Hours
SUMMER SESSION:		
Graduate Applied Sciences II	DBPG 1920	2
Prosthodontic Clinic II	DBPG 8002A	3
Conscious Sedation I	DBPG 1001	1
FALL SEMESTER:		
Conscious Sedation II	DBPG 1002	1
Oral Development / Oral Biology	DBPG 1106	1
Research	DBPG 1911A	2
Oral Biology; Dev. Structure of Oral Biology	DBPG 1110	1
Graduate Prosthodontic Clinic II	DBPG 8002B	4
Gnathologic Instrumentation Study Club II		
Current Prosthodontic Literature Review II		
Graduate Prosthodontic Resident Case Presentation Conference II		
Graduate Prosthodontic Treatment Planning Conference II		
Classical Prosthodontic Literature Review II		
SPRING SEMESTER:		
Research	DBPG 1911B	2
Graduate Prosthodontic Clinic II	DBPG 8002C	4
Periodontic / Prosthodontic Conference II	DBPG 8006B	1
Dental Implant Lecture Series	DBGP 7008	2
Classical Prosthodontic Literature Review II		
Current Prosthodontic Literature Review II		
Gnathologic Instrumentation Study Club II		
Graduate Prosthodontic Resident Case Presentation Conference II		
Graduate Prosthodontic Treatment Planning Conference II		
TOTALS:		24

Third Year I

Course	Number	Credit Hours
SUMMER SESSION:		
Research	DBPG 1911C	2
Prosthodontic Clinic III	DBPG 8005A	4
FALL SEMESTER:*		

Research	DBPG 1911D	2
Prosthodontic Clinic III	DBPG 8005B	7
Current Prosthodontic Literature Review III		
Classical Prosthodontic Literature Review III		
Graduate Prosthodontic Resident Case Presentation Conference III		
Graduate Prosthodontic Treatment Planning Conference III		
Gnathologic Instrumentation Study Club III		
Student Teaching		
SPRING SEMESTER:		
Thesis	DBPG 1912A	2
Prosthodontic Clinic III	DBPG 8005C	6
Periodontic / Prosthodontic Conference III	DBPG 8006C	1
Classical Prosthodontic Literature Review III		
Current Prosthodontic Literature Review III		
Graduate Prosthodontic Resident Case Presentation Conference III		
Graduate Prosthodontic Treatment Planning Conference III		
Graduate Prosthodontic Senior Resident Lecture		
TOTALS:		24

Quarterly schedules are published by the program director. Written and oral progress evaluations are made by the Program Director.

Graduation Requirements

Degree

The minimum requirement for the Master of Science in Dentistry Degree (MSD) is 30 semester hours, 24 of which must be in basic and clinical science courses, with a minimum grade point average of B (3.0). Actual hour required for the Master of Science in Dentistry Degree are defined within the specific programs. In addition, four hours of research (six for Periodontics) and two hours for acceptable thesis, the latter awarded in the terminal semester, as required. At departmental discretion, additional assignments may be made. All requirements are expected to be completed within the program time frame.

Certificate

The minimum requirement is completion of basic and clinical science courses with a grade point average of B (3.0) and departmental clinical conferences and seminars required by the specialty department. Demonstration of satisfactory clinical proficiency, satisfactory completion of additional departmental assignments and, at the discretion of the department, completion of an orientation in research methodology and submission of a paper suitable for publication are also required.

Degree / Certificate

Combination of requirements outlined above.

In addition to basic and clinical science courses and seminars required by the Advanced Education Programs, all advanced education students are required to be trained in human subjects and research ethics. The training requires attendance at the research methodology seminars (literature review, research protocol, human subjects, and research ethics) offered during the summer term and completing the certification offered on the following web site: <http://www.uth.edu/cphs/for-researchers/training.htm>

DENTAL HYGIENE PROGRAM

A dental hygienist is a preventive oral health professional licensed in dental hygiene that provides educational, clinical, and therapeutic services supporting total health through the promotion of optimal oral health. A dental hygienist is that member of the dental team who is responsible for providing treatment that helps prevent oral diseases of the teeth and the supporting tissues. This professional is especially knowledgeable about the preventive aspects of dental diseases. Functions routinely performed by a dental hygienist include monitoring of the patient's health history, examination of the teeth and oral structures, removal of hard and soft deposits from the teeth, placement of sealants, application of fluoride, patient education regarding oral health, diet counseling, exposure of dental x-rays, and implementation of community dental health programs.

The education of the dental hygienist emphasizes the basic and dental sciences, which include microbiology, chemistry, anatomy, physiology, oral histology and embryology, oral pathology, and nutrition. Other components of the curriculum are designed to develop the clinical skills of the dental hygienist so that preventive dental health services can be provided to the public. Dental hygienists work under the supervision of a dentist, in such practice settings as private dental offices and dental clinics, health departments, hospitals, nursing homes, school districts, correctional facilities, and colleges and universities. Research and sales opportunities also exist for a dental hygienist.

The goal of the UTSD Dental Hygiene Program is to provide the student with the opportunity to develop clinical competency and proficiency in preventive and therapeutic oral health skills, and to develop the personal characteristics of a professional attitude, ethical behavior, and dedication to community service and continuing education. The program provides the student with the opportunity to develop these entry-level dental hygiene skills through completion of either the two-year post-degree certificate or baccalaureate degree curriculum.

The first year of the curriculum consists mainly of dental sciences and clinical technique courses. During the second year, emphasis is placed on the application of knowledge in a clinical setting and the provision of a wide variety of clinical experiences both within and outside of the Texas Medical Center. The dental hygienist is eligible for licensure after graduation and upon successful completion of both a written National Board Dental Hygiene Examination and a clinical Regional Board examination.

Dental Hygiene Licensure Eligibility

According to State law and the Texas Board of Dental Examiners, a person applying for initial licensure to practice Dental Hygiene in the State of Texas may be ineligible for licensure due to a previous conviction or deferred adjudication for a felony or misdemeanor offense.

For more information contact the Texas State Board of Dental Examiners by email: information@tsbde.texas.gov or by phone: (512) 463-6400.

The UTSD Dental Hygiene Program offers a fully accredited two-year program, which leads to either a certificate or Bachelor of Science Degree in dental hygiene. Approximately 40 students are admitted to the programs each fall semester. The Dental Hygiene Admissions Committee considers the applications and makes recommendations to the Dean for admission into the program.

In addition to the entry-level program, the Dental Hygiene Program also offers a RDH to BS Program for dental hygienists who have completed an associate's degree or certificate in dental hygiene. After completing the required prerequisites, students enrolled in the UTSD RDH to BS Degree Program have an opportunity to successfully complete the distance-education curriculum and receive a Bachelor of Science degree.

Application Procedure

Applications are available on line: https://apply.uth.tmc.edu/psp/applyuth/APPLYUTH/CS_20/h/?tab=UT_CS_NVT_APPLY_SIGNON

The application and all supporting documents must be submitted to the Registrar by August 31 of the year preceding expected enrollment. Application must be made on the current year's application form. The applicant pool will be considered as a whole in admissions consideration. If the applicant was enrolled at an accredited college or university in the fall term of the application submission year, or spring term of the entering year, the applicant must submit transcript updates to the Office of the Registrar as soon as the grades are available.

Criteria for Admissions

Dental Hygiene applicants will be considered for admission upon satisfactory completion of the following requirements:

- Properly completed application along with required fees and documentation
- Must have graduated from an accredited high school or equivalent
- A grade of at least C must be earned in each of the required courses while maintaining a minimum cumulative grade point average of at least 2.5 (see Guide for Transfer Student at <https://dentistry.uth.edu/students/dental-hygiene/index.htm>)
- Must have a minimum of 20 hours of shadowing experience
- Must have previously completed an associate or bachelor's degree prior to enrolling in the program.
- Test of English as a Foreign Language (TOEFL) examination if high school attended was not in the U.S.
- Submission of required letters of recommendation

Residents of the State of Texas, applicants to the Bachelor of Science Degree program, and applicants with course-work in the last five years are given preference in the selection process. Personal interviews are required and scheduled based upon committee evaluation.

Student applying to the Dental Hygiene Program are required to take the Health Science Reasoning Test (HSRT) as part of a holistic application process. The HRST is a computer-based test specifically designed to measure critical thinking skills. The test consists of critical thinking questions in health sciences contexts, although no specialized technical knowledge is required.

Call 713-486-4084 for more information and to schedule the test.

Relative competitiveness of the applicant pool is determined by the above requirements. Additional factors considered include:

- nature of academic program
- demonstrated strength in science prerequisites
- demonstrated leadership
- public/community activities
- evidence of public/humanitarian service
- extracurricular activities
- communication skills
- employment history
- employment experience in the dental profession

Admissions Policy

UTSD admissions policy includes a wide variety of criteria, including qualitative and quantitative information to evaluate applicants on an individual basis. The admissions processes for the undergraduate Dental Hygiene certificate, Baccalaureate (BS) degree, and Degree-completion programs utilize a mix of cognitive and non-cognitive consideration factors that are similar to the Dental Education Program. Dental Admissions Committees give individual consideration to applicants. The Admissions Committee considers the application in its entirety and gives cognizance to the following factors:

- Intellectual capacity, based on consideration of undergraduate and graduate record; academic progression/regression; standardized test scores; academic awards and honors; a history of research accomplishments; degree of difficulty of undergraduate academic program; pre-professional evaluations; personal interview; any other data submitted;
- Interpersonal and communication skills, based on consideration of community or charitable service, extracurricular activities and organizations; leadership positions; employment history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may impact on healthcare; expression of future goals in the written essay; statements made on the application or in the personal interview; any other relevant considerations the student's pre-professional advisors may present;
- Knowledge of the profession, based on consideration of an understanding of factors that have an impact on access to care, as well as the social and financial implications; consideration of the implications of lifelong learning; and demonstrated significant effort in seeking knowledge regarding the practice of dentistry or participation in oral health promotion activities;
- Potential for service to the State of Texas, based on consideration of the applicant's goals for the future; size and location of hometown and whether the applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or in needed specialties.
- Motivation, based on consideration of success in overcoming adverse personal, economic, or educational conditions; employment history occurring simultaneously with undergraduate academic preparation; participation in activities requiring time management

skills; experience in health-related activities; heavier than normal academic course loads (18 hrs/semester);

- Integrity, based on consideration of professional evaluations; any academic integrity violation; conduct of a crime; any other relevant background relating either positively or negatively to the applicant's standard of integrity; and
- Essential skills, based on consideration of psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing, and tactile abilities) sufficient to master the clinical procedures essential to the treatment of oral disease with or without reasonable accommodation.

The individual evaluations by the Committee members are tabulated and a composite evaluation prepared for presentation to the entire Committee. The selection of the entering class for recommendation to the Dean is based upon the total evaluation conducted by the Dental Hygiene Admissions and Curriculum Committee incorporating all of the criteria listed above.

Criminal Background Checks

An offer of admission to any program at UTSD is expressly contingent upon the successful completion and review of a criminal background check, which is required prior to matriculation. The criminal background check will, among other things, serve to verify information provided in the application. Individuals who do not give permission to the conduct of the criminal background check or who fail to provide the report as required will be subject to withdrawal of the offer of admission to School programs.

TSI - Texas Success Initiative [Formerly TASP] The Texas Success Initiative (TSI), formerly TASP, is a State mandated program that is designed to improve student success and outcomes in college. Any student seeking to enroll in an undergraduate program at UTHealth must provide proof of successful completion of the Texas Success Initiative prior to enrollment. For more information on specific testing requirements, testing exemptions, and college readiness, go to <http://www.thecb.state.tx.us/>

EXPENSES

Tuition

Beginning 2018-2019, resident tuition is \$ 146per semester credit hour. Non-resident tuition will be \$551 per semester credit hour. Tuition and fees are subject to change according to the actions of the Texas State Legislature or the UT System Board of Regents and changes become effective when enacted.

For the Most current list of the Tuition and Fee Schedule go to Registrar's website at <http://www.uth.edu/registrar/current-students/registration/tuition--fee-schedule.htm>

Fees

Late Registration Fee: A \$25 fee will be required of those students not registering or paying on the date designated in the school calendar.

Installment Use Fee: \$20 per term

Late Payment Fee: \$25 for each late installment (other than the initial payment)

Laboratory Fee: A laboratory fee of \$20 per year is required

Graduation Fee: A graduation fee of \$100, payable at registration for the final academic term, is required for dental hygiene students. Students who withdraw before graduation are entitled to a refund of this fee, if a certificate has not been ordered. This fee does not include regalia rental.

Technology Resource Fee: A fee \$545 per semester.

Instrument Rental Kit Fee: \$675 annually.

Instrument Sterilization Fee: \$900 per academic year.

Library Resource Fee: \$150 annually.

Professional Liability Insurance Fee: This fee varies from year to year (currently it is \$14.50).

Health Insurance: \$2650 annually. Health insurance is required of all Health Science Center students. If you have your own health insurance policy, you may provide proof of comparable insurance coverage to Auxiliary Enterprises no later than the 12th class day to have this charge waived.

Information Technology Access Fee: A fee of \$36 per semester.

Simulation Fee: \$175 annually.

Student Record Fee: \$5 per semester.

Student Services Fee: The Student Services Fee, required of all students, is \$566.25 per year. The fee provides student health services, counseling services, shuttle services, student governances and recreation facilities. Instruments, Supplies and Books

Students are required to furnish the instruments, supplies, books, and equipment necessary in the various courses.

Text and supplemental materials information, including the maximum extent practicable the International Standard Book Number (ISBN) and retail price information, is available on the DH Curriculum Website. Visit the Website at: <http://inside.uth.edu/dentistry/docs/dh-booklist-2017-2018.pdf>

A student is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may be available from an independent retailer, including an online retailer, at a lower price than the price charged for the textbook by a university-affiliated bookstore.

Approximate costs, depending upon fluctuations in market price and changing needs in the curriculum, are as follows:

	Instruments and Supplies <i>(Purchased)</i>	Books <i>(Purchased)</i>
First Year	\$3500	\$1229
Second Year	\$1300	\$700

Financial Aid

The Dental Hygiene Program of UTSD has limited loan and scholarship funds. These funds may be available based on proven financial need and/or academic excellence. A student subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue. Applications may be obtained from:

Office of Student Financial Services
The University of Texas
Health Science Center at Houston
P. O. Box 20036
Houston, TX 77225
(713) 500-3860
Website <http://www.uth.edu/sfs/>

The office is located at 7000 Fannin in the University Center Tower, Room 2220. Funds are listed below:

- American Dental Hygienists' Association Scholarship Fund
- Dental Hygiene Honor Society Scholarship
- The Houston District Dental Hygienists' Society Loan Fund
- Houston Northwest Medical Center Hospital Auxiliary Emergency Loan Fund
- Pell Grant
- Perkins Loan Program
- PLUS/Supplemental Loan for Students
- Stafford Loan Program (formerly Guaranteed Student Loan Program)

- State Scholarship Fund
- Supplement Education Opportunity Grant
- Texas Dental Hygienists' Scholarship Fund
- Texas Public Education Grant
- Texas Public Education - State Student Incentive Grant

Dental Hygiene Scholarships

The Shirah May Hall Memorial Scholarship in Dental Hygiene support scholarships to second year dental hygiene students who have demonstrated financial need, are in good standing and who have exhibited the characteristics of compassion, focus and motivation, teamwork, leadership and advocacy of the profession of dental hygiene.

The Dental Hygiene Class of 2003 Endowed Scholarship is awarded to assist a second year dental hygiene student who has exhibited the characteristics of compassion, academic excellence (maintained an academic excellent maintain GPA of 3.0) or higher, financial need, and an outstanding dental hygiene citizen among faculty, students, and staff.

The Greater Houston Dental Hygienists' Association Ushma Ramaiya Memorial Scholarship distributions shall be used to support scholarships to second year dental hygiene students who are in good academic standing. Preference shall be given to students who have exhibited the characteristics of compassion, focus and motivation, teamwork, leadership, and advocacy of the profession through outstanding community service.

There are several local organizations/companies that provide scholarship funding for dental hygiene students. Upon request, UTSD dental hygiene provides to the awarding organization the critical data required for selection, and the selections are made by the selection committee of the sponsoring organization. Primary factors for the award are academic performance, community service, and promise for professional growth and financial need.

ACADEMIC STANDARDS

Attendance

Attendance at all scheduled classes, laboratories, and clinic sessions is required. The minimum attendance for which credit will be given or which will admit a student to the final examination is 90 percent of the time scheduled for instruction in that course. The margin of 10 percent absence is provided to accommodate only unavoidable absences due to illness, delayed registration, or approved causes, and it is not contemplated that this concession shall apply to other than exceptional cases.

Punctuality

Students entering a lecture or laboratory after the roll has been taken are recorded as absent for the entire period. Absence from any portion of a period is considered as absence from the full period.

Grading System

Passing: Grades for didactic and clinic courses are letter grades. A minimum grade of C will be required in all courses and an overall average of C (2.00 GPA) must be maintained.

Grading System For Clinic And Clinic Related Classes:

93 – 100 = A
84 – 92 = B
75 – 83 = C
<75 = F

Grading System For Non-Clinic Related Classes:

90 – 100 = A
80 – 89 = B
79 – 70 = C
<70 = F

Failing: A grade of 69 or below or “F” designates failing work in non-clinical courses and a grade of 74 or below designates unacceptable work in clinical courses. Remediation designed to address the deficiencies of the student will be provided throughout the semester as deemed appropriate by the instructors.

Incomplete: A grade of “I” may be assigned to a student who for some reason has not completed all required work but has shown satisfactory progress in completing course requirements. A grade of “I” will not be averaged into the GPA at the end of the semester. Grades of “I” not removed within the designated time frame determined by the instructor and the Evaluation and Promotion Committee not to exceed one semester will be recorded as a grade of “F”. A grade of “I” may be only given upon approval of the Director of the Dental Hygiene Program.

Warning: Mid-semester evaluation will be conducted for the Fall and Spring semesters. Students earning a F in didactic, laboratory or clinical courses will receive a letter of warning for unsatisfactory progress in the designated areas of study. Students will subsequently be expected to show increased activity in those areas of deficiency by the end of that semester to avoid being placed on probation or considered for dismissal. In addition, the student is expected to make satisfactorily progress in the other courses in the curriculum.

Probation: Students having a semester GPA of 1.7 or cumulative GPA below 2.0 will be placed on probation. Students who have been placed on probation must show acceptable improvement and satisfy the conditions outlined in the probation within the designated time period or they may be considered for dismissal. Students on probation become ineligible for financial aid, and are ineligible to hold Class or organization offices.

Dismissal: Students will be considered for academic dismissal if they have a cumulative GPA below 2.0 at the end of any semester. Students will be considered for academic action, including dismissal, if they have one or more failing course grades in a given semester. If a student demonstrates the inability to progress either didactically, professionally or technically, the student will be considered for dismissal from the Dental Hygiene Program by the Student Evaluation and Promotion Committee – Dental Hygiene Subcommittee. The decision will be made by the committee members at a meeting held at the end of the semester.

Appeal Process

A UTSD Dental Hygiene student may appeal any academic corrective action and/or recommendation of dismissal by an Evaluation and Promotion (“E & P”) subcommittee to the Associate Dean for Student and Academic Affairs, in writing, within three calendar days after receipt of notice of the academic action. The student must provide the Associate Dean for Student and Academic Affairs a “complete” appeal, which includes at least a written statement clearly explaining all rationale for the appeal and any additional documentation the student possesses that the student believes supports the student’s rationale for the appeal.

The Associate Dean for Student and Academic Affairs will refer each complete appeal to an Ad Hoc Appeal Committee (“Appeal Committee”). The Office of the Associate Dean for Student and Academic Affairs will assist by scheduling the meetings of the Appeal Committee.

- The Chair of the Appeal Committee will be selected and appointed by the School of Dentistry Committee on Committees and approved by the Faculty Senate (an alternate Chair will also be selected from among the faculty of the School of Dentistry). The Chair will preside over the Appeal Committee. The length of the Chair’s term will be three years. The alternate will preside over the Appeal Committee in the event that the Chair is unable to attend.
- The Appeal Committee will be made up of the chairs of each of the E & P subcommittees not involved in the academic action being appealed. Vice chairs of the E & P subcommittees may serve in this role in the event a subcommittee Chair is unable to participate. In addition, an additional member of the Appeal Committee will be selected by the Associate Dean of Student and Academic Affairs from among School of Dentistry faculty. This member of the Appeal Committee cannot be the student’s faculty advisor or a member of the E & P subcommittee making the decision being appealed.
- Each of the Appeal Committee members will have one vote. In the case of a tie vote, the Chair of the Appeal Committee will vote to break the tie.

The Appeal Committee will review the student’s written statement and documentation, if any, submitted by the student, meet with the student, the student’s faculty advisor, the Chair of the E & P subcommittee taking the academic action being appealed, and other individuals at the discretion of the Chair of the Appeal Committee. The Chair of the Appeal Committee shall submit a final recommendation to the Dean within seven calendar days of the final Appeal Committee meeting. The Dean shall consider the recommendation of the Appeal Committee, may review the materials submitted to the Appeal Committee, and may interview other individuals. At his or her discretion, the Dean may meet with the student. The student will be notified of the Dean’s decision within 10 calendar days after the Dean’s receipt of the Appeal Committee recommendation. The Dean’s decision regarding the academic action of the E & P subcommittee is final.

The student, upon written request to and approval in writing from the Associate Dean for Student and Academic Affairs, may continue academic studies while the appeal of an academic action is under review and until the student receives notification of a final decision by the Dean.

If after the appeals process is completed an academic action of dismissal is upheld, a dismissed student must immediately discontinue participating in all UTSD educational activities. All personal belongings must be removed from the UTSD facilities immediately upon following receipt of the final decision of the Dean.

Promotion and Graduation: In order to be considered for promotion and graduation, a Dental

Hygiene student must have satisfactorily removed all grades of F through remediation/repeat and in addition, must have a cumulative grade point average of 2.0 or higher.

Examinations

Numerous examinations are given during each course. These examinations serve as a method of instruction and provide both student and instructor the opportunity to evaluate the student's level of achievement.

The final grade in a course may include evaluation of the student in all aspects of the entire course (didactic, laboratory, professional behavior/ development, and clinical) and failure in any one aspect may result in a failing grade for the entire course.

CURRICULUM

Credit Hours: For each semester credit hour awarded a didactic course, there is one classroom hour per week. For each semester credit hour awarded for a laboratory or clinic course, there are normally three to four laboratory hours per week.

Note: Course descriptions are intended to represent skills and knowledge that should accompany successful completion of the course and should not be construed as a guarantee or warranty by UTHHealth of the required level of achievement by every student.

First Year

Dental Hygiene Certificate/Dental Hygiene Bachelor of Science Courses

FALL SEMESTER:

DHCT 2101/DHBS 3101 *Pre-Clinical Technique* **5 credit hours (3 lec., 6 lab)**

An introduction to the basic theories, principles, and procedures used in dental hygiene practice, with primary emphasis on the techniques of instrumentation used in performing diagnostic, preventive, and therapeutic services. The dental hygiene student will have an opportunity to practice these techniques on manikins and student partners in the clinic.

DHCT 2103/DHBS 3103 *Introduction to Dental Hygiene* **3 credit hours (3 lec., 1 lab)**

A course designed to provide the student with the background knowledge to assess patient oral health needs, to select appropriate preventive strategies, and to present information and demonstration techniques for effective patient education. Course Fee: \$20

DHCT 2105/DHBS 3105 *Dental Radiology I* **2 credit hours (2 lec., 1 lab)**

An introduction to the production and emission of dental x-radiation, safety precautions, and the exposure processing and interpretation of dental radiographs.

DHCT 2107/DHBS 3107 *Head and Neck Anatomy* **2 credit hours (2 lec)**

A study of the anatomic structures of the head and neck. Emphasis is placed on the muscles of mastication, salivary glands, and the vascular, lymphatic, and nerve supply to the head and neck as it relates to the clinical practice of the dental hygienist. Course Fee: \$100

DHCT 2108/DHBS 3108 *Oral Histology and Embryology* **2 credit hours (2 lec.)**

A study of the embryology and microscopic anatomy of human tissues with emphasis on the

formation of the face, oral cavity, and dental structures. Clinical relevance will be stressed for applicability to pathology and periodontology.

DHCT 2109/DHBS 3109 *Dental Anatomy* **3 credit hours (2 lec., 2 lab)**

The essentials of nomenclature, anatomical form, structure and function of the permanent teeth, with some study devoted to primary teeth, is presented. Laboratory practice includes identification of natural extracted teeth, the reproduction of tooth forms to emphasize morphology and functional relationships, and the adaptability of clinical instrument to root structures of varying topography.

SPRING SEMESTER:

DHCT 2201/DHBS 3201 *Clinical Practice I* **3 credit hours (10 clinic)**

Prerequisite: DHCT 2101 and DHBS 2105. This introductory clinical course offers the student individual instruction and clinical practice in all phases of providing basic dental hygiene services.

DHCT 2202/DHBS 3202 *Clinical Seminar I* **3 credit hours (3 lec.)**

A continuation of information designed to provide an opportunity to enhance performance of procedures in a clinical setting. Emphasis will be place on patient management, care of appliances, caries recognition, pulp testing, and desensitization. Periodontal nomenclature and clinical characteristics of periodontal tissues in health and disease will be introduced.

DHCT 2205/DHBS 3205 *Dental Radiology II* **1 credit hour (1 lec., 1 lab)**

An introduction to supplemental intra-oral techniques and basic extra-oral radiographic techniques including patient/film positioning and the resulting film. Diagnostic information and normal radiographic anatomy of these various views will be presented.

DHCT 2206/DHBS 3206 *General Oral Pathology* **3 credit hours (3 lec.)**

An introduction to diseases affecting the oral region, including the principles of inflammation and healing, developmental disturbances, the pathology of dental caries, dental and oral abnormalities, bacterial, viral and mycotic diseases, oral injuries, and neoplasms. Premalignant lesions and their differences from common benign conditions are emphasized.

DHCT 2209/DHBS 3209 *Dental Emergencies* **2 credit hours (2 lec, 1 lab)**

This course provides the student the opportunity to study dental office emergencies with emphasis on prevention, prompt recognition, and effective emergency care. Laboratory instruction will provide experience in monitoring vital signs, recognizing and handling emergency situations, and cardiopulmonary resuscitation (CPR).

DHCT 2210/DHBS 3210 *Oral Disease Prevention II* **1 credit hour (1 lec. 1 lab)**

This course provides the dental hygiene student with opportunities to apply principles of plaque control, patient education, and disease prevention. In addition to lectures, learning activities will include problem-based learning and case presentations.

DHCT 2211/DHBS 3211 *Periodontology* **3 credit hours (3 lec.)**

This course includes advanced study in periodontics as it relates to dental hygiene practice. Emphasis will be placed on etiology and pathology of periodontal diseases, diagnostic work-up, advanced principles of instrumentation, prevention, and treatment of periodontal diseases and occlusal disorders, and clinical case discussion.

SUMMER TERM:

DHCT 2300/DHBS 3500 *Clinical Seminar II* **1 credit hour (2 lec.)**

Root morphology, advanced root planning, and ultrasonic scaling, amalgam polishing, and sealants will be emphasized in this course, along with patient management techniques when performing advanced instrumentation skills

DHCT 2301/DHBS 3501 *Clinical Practice II* **3 credit hours (21 clinic)**

Prerequisite: DHCT 2201/DHBS 3201. This course provides the opportunity for additional clinical treatment for patients and skills development.

DHCT 2306/DHBS 3506 *Dental Materials* **3 credit hours (2 lec. 2 lab)**

This course address characteristics, properties, manipulation, and evaluation of various materials utilized in dental procedures along with chair-side assisting principles and techniques. Emphasis is placed on the laboratory procedures performed and materials used by the dental hygienist.

Second Year

FALL SEMESTER:

DHCT 3301/DHBS 4301 *Clinical Practice III* **4 credit hours (14 clinic)**

Prerequisite: DHCT 2301/DHBS 3501. This course is an introduction to advanced instrumentation procedures, including root planning and ultrasonic scaling, and the practice of basic and advanced techniques at chair-side. Rotations to other departments in the School of Dentistry and Texas Medical Center will be introduced. Patient management and professionalism are stressed in this stage of clinical development.

DHCT 3302/DHBS 4302 *Clinical Seminar III* **2 credit hours (2 lec.)**

Root morphology, advanced root planning, and ultrasonic scaling, amalgam polishing, and sealants will be emphasized in this course, along with patient management techniques when performing advanced instrumentation skills.

DHCT 3303/DHBS 4303 *Community Dental Health* **3 credit hours (3 lec.)**

This course is an introduction to the tools of epidemiology and biostatistics, and includes the critical analysis of scientific literature and the methods and materials necessary to teach dental health to individuals and groups. As community health promoters, the student will have an opportunity to address and attempt to resolve critical issues in the current delivery system. Course Fee: \$20

DHCT 3308/DHBS 4308 *Pharmacology* **2 credit hours. (2 lec.)**

This course is a study of the action use and effect of commonly used drugs on the human body. Emphasis is placed on the practical evaluation of drugs utilized by the dentist, and drugs being taken by dental patients and their effect on treatment.

DHCT 3310/DHBS 4310 *Applied Nutrition* **1 credit hour (1 lec.)**

This course is a dental-related study of nutrition. Interrelationships of the diet and oral health will be addressed. A case-based approach will be utilized to demonstrate the crucial connection between systemic health, nutrition and oral health.

DHCT 3311/DHBS 4311 *Special Needs Patients* **2 credit hours (2 lec.)**

This course is an introduction to the assessment and management of patients with special needs, including patients whose medical, physical, psychological, or social conditions make it necessary to modify procedures in order to provide dental hygiene treatment for that individual.

SPRING SEMESTER:

DHCT 3401/DHBS 4401 *Clinical Practice IV* **4 credit hours. (14 clinic)**

Prerequisite: DHCT 3301/DHBS 4301. These clinical sessions combine both basic and advanced dental hygiene skills with time management techniques essential for private practice. Root planning, sealant application, ultrasonic instrumentation, amalgam polishing, and nutritional counseling will be emphasized. Rotations to other departments will be continued.

DHCT 3402/DHBS 4402 *Clinical Seminar IV* **2 credit hours (2 lec.)**

This course will provide an opportunity for the student to clarify values and discuss treatment of special needs patients. The student will discuss professional ethics, laws governing the practice of dentistry and dental hygiene, malpractice, and liability.

DHCT 3403/DHBS 4403 *Community Dental Health Practice* **2 credit hours (1 lec., 3 lab/field experiences)**

Prerequisite: DH 3303. This course is continuation of Community Dental Health, with an opportunity for the student to perfect skills in communication and motivational techniques, principles of learning-teaching, and media preparation and presentation through didactic and extra-mural experiences.

DHCT 3406/DHBS 4406 *Applied Oral Pathology* **1 credit hour (1 lec.)**

Cases of unknown oral pathology are presented, in which the student's objective is to obtain a complete history, formulate a differential diagnosis, and propose a rational approach for evaluation and treatment of the patient.

DHCT 3407/DHBS 4407 *Trends and Issues in Dental Hygiene* **1 credit hour (1 lec.)**

This class is primarily discussion of dental and clinical sciences as they relate to the clinical practice of the dental hygienist.

DHCT 3408/DHBS 4408 *Practice Management* **2 credit hours (2 lec.)**

This class is primarily discussion of employment techniques, office and staff communication, and practice management. The student will have an opportunity to make a professional presentation of dental-related techniques and procedures.

CURRICULUM BY YEARS

First Year

Certificate / Bachelor of Science

Course	Number	D	L	C	Cr.
FALL SEMESTER:					
Pre-Clinical Technique	DHCT 2101/DHBS 3101	48	96		5.0
Oral Disease Prevention I Course Fee \$20	DHCT 2103/DHBS 3103	48	16		3.0

Dental Radiology I	DHCT 2105/DHBS 3105	32	16	2.0	
Head and Neck Anatomy I Course Fee \$100					
	DHCT 2107/DHBS 3107	32		2.0	
Oral Histology and Embryology	DHCT 2108/DHBS 3108	32		2.0	
Dental Anatomy	DHCT 2109/DHBS 3109	32	32	3.0	
SPRING SEMESTER:					
Clinical Practice I	DHCT 2201/DHBS 3201		160	3.0	
Clinical Seminar I	DHCT 2202/DHBS 3202	48		3.0	
Dental Radiology II	DHCT 2205/DHBS 3205	16	16	1.0	
General Oral Pathology	DHCT 2206/DHBS 3206	48		3.0	
Dental Emergencies	DHCT 2209/DHBS 3209	32	16	2.0	
Oral Disease Prevention II	DHCT 2210/DHBS 3210	16	16	1.0	
Periodontology	DHCT 2211/DHBS 3211	48		3.0	
Summer Term					
Clinical Seminar II	DHCT 2300/DHBS 3500	16		1.0	
Clinical Practice II	DHCT 2301/DHBS 3501		117	3.0	
Dental Materials	DHCT 2306/DHBS 3506	32	32	3.0	
TOTALS:		480	240	277	37

Second Year

Certificate / Bachelor of Science

Course	Number	D	L	C	Cr.
FALL SEMESTER:					
Clinical Practice III	DHCT 3301/DHBS 4301			272	4.0
Clinical Seminar III	DHCT 3302/DHBS 4302	32			2.0
Community Dental Health I Course Fee \$20					
	DHCT 3303/DHBS 4303	48			3.0
Pharmacology	DHCT 3308/DHBS 4308	32			2.0
Applied Nutrition	DHCT 3310/DHBS 4310	16			1.0
Special Needs Patients	DHCT 3311/DHBS 4311	32			2.0
SPRING SEMESTER:					
Clinical Practice IV	DHCT 3401/DHBS 4401			228	4.0
Clinical Seminar IV	DHCT 3402/DHBS 4402	32			2.0
Community Dental Health Practice	DHCT 3403/DHBS 4403	32	32		2.0
Applied Oral Pathology	DHCT 3406/DHBS 4406	16			1.0

Trends and Issues in Dental Hygiene	DHCT 3407/DHBS 4407	16		1.0
Practice Management	DHCT 3408/DHBS 4408	32		2.0
TOTALS:		288	32	500 26

* The following abbreviations are used: D - Didactic, L - Laboratory, C - Clinic

First Year

RDH to BS Courses

FALL SEMESTER:

DBPG 5352 *Biostatistics for Dental Professionals* **3 credit hours (Online)**

This online course provides the opportunity to develop introductory level competencies in the measurement, design, analysis, interpretation and critical evaluation of health information research and evaluation studies. Students will have the opportunity to learn and apply the most important and most frequently used statistical measures and methods, as well as to critically evaluate the scientific literature. Some of the topics covered in this course include frequency distributions, measures of dental tendency, variance, hypothesis testing, correlation and both parametric and non-parametric inferential methods including t-tests, analysis of variance, chi-square tests of significance, and tests of measures of association.

DHDC 4501 *Introduction to Health Care Teaching* **3 credit hours (Online)**

This introduction to teaching course examines the theory and practice pertaining to important aspects of learning and teaching. Also included are instructional strategies, methodologies and assessment of student learning.

SPRING SEMESTER:

DHDC 4502 *Health Care Ethics* **3 credit hours (Online)**

This course will focus on issues faced by the healthcare professional including ethical and legal issues related to the practice and scope of dental hygiene. Topics include, but are not limited to, ethics and professionalism, ethical principles and values, models for ethical decision making, ethics and cultural differences, and ethical dilemmas. Students will work independently and in teams to apply the material to real life situations utilizing case study format and personal life experiences.

DHDC 4503 *Trends and Issues in Dental Hygiene* **3 credit hours (Online)**

This course will address current trends and issues affecting the dental/dental hygiene profession. In-depth discussions will explore the profession with critical analysis in the areas of dental hygiene education, research, and clinical practice. Student will work in teams to engage and facilitate on-line discussions. The final course project will focus on one or more of these issues.

SUMMER TERM:

DHDC 4505 *Seminar in Education* **2 credit hours (Online)**

This course will cover pertinent topics in dental/allied dental education. The course will examine issues related to teaching and learning the academic setting. Topics will also include developing a teaching philosophy; formulating a curriculum vitae and teaching portfolio.

Second Year

FALL SEMESTER:

DHDC 4506 *Clinical / Laboratory Teaching* **3 credit hours (Online)**

This course will provide students with the knowledge and skills to become competent clinical instructors. Psychomotor skills development and analysis as well as remediation of performance problems; provision of feedback; identification of cognitive, psychomotor, and affective behaviors are topics related to clinical teaching. Faculty calibration and clinical evaluation are also included.

DHDC 4507 *Clinical / Laboratory Teaching Practicum* **3 credit hours (On Campus)**

This course is designed to give students an opportunity to teach with a faculty member in a clinical course taught to dental, dental hygiene or dental assisting students. Students will participate in course planning, weekly teaching of the didactic, laboratory and/or clinical content. This course requires formal agreement with a participating dental hygiene program prior to the beginning of the second year of the program.

SPRING SEMESTER:

DHDC 4508 *Current Concepts in Dental Hygiene Process of Care* **3 credit hours (Online)**

This course will provide the student with advanced knowledge of current concepts and factor involved in the occurrence and treatment of oral disease. These issues will be studied through lectures, case presentations and the literature.

DHDC 4509 *Education Practicum* **4 credit hours (On Campus)**

This course is a one semester, planned and supervised professional teaching internship, designed to allow the student to apply knowledge and skills acquired in previous didactic courses. This practicum experience will focus on didactic, clinical, or laboratory instruction integrating leadership, professionalism, ethics, educational theories, and teaching strategies, with an emphasis on assessment and evaluation. This course requires a formal agreement with a participating dental hygiene program prior to the beginning of the second year of the program.

SPRING OR SUMMER:

DHDC 4510 *Capstone* **3 credit hours (Online)**

This capstone course incorporates the major learning themes of the dental hygiene online degree curriculum resulting in a student-generated scholarly project/essay. It will be offered both Spring and Summer semester to accommodate students' as necessary.

CURRICULUM BY YEARS

First Year

RDH to Bachelor of Science – Online

Course	Number	D	L	C	Cr.
FALL SEMESTER:					
Biostatistics for Dental Professionals	DBPG 5352				3.0
Introduction to Health Care Teaching	DHDC 4501				3.0

SPRING SEMESTER:

Health Care Ethics	DHDC 4502	3.0
Trends and Issues in Dental Hygiene	DHDC 4503	3.0

SUMMER TERM:

DHDC 4505	Seminar in Education	2.0
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TOTALS:		14.0
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Second Year

RDH to Bachelor of Science – Online

Course	Number	D	L	C	Cr.
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FALL SEMESTER:

Clinical / Laboratory Teaching	DHDC 4506				3.0
Clinical / Laboratory Teaching Practicum	DHDC 4507				3.0

SPRING SEMESTER:

Current Concepts in Dental Hygiene Process of Care					
	DHDC 4508				3.0
Education Practicum – On Campus	DHDC 4509				4.0

SPRING or SUMMER:

Capstone	DHDC 4510				3.0
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TOTALS:					16.0
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Graduation Requirements

In order to be eligible for graduation, a student must complete the following requirements:

- The candidate must, in the opinion of the faculty, have satisfactorily completed the prescribed curriculum of UTSD Dental Hygiene Program;
- The candidate must have credit for sufficient grade points to equal not less than two times the number of semester hours that are undertaken in this institution;
- The candidate must have discharged all of the financial obligations to UTSD and/or UTHealth; and
- The candidate must have completed a minimum of two semesters at UTSD;
- The candidate must sustained record of satisfactory professional and ethical behavior.

Dual Degree Programs

Students seeking admission to the dual degree programs must meet the application requirements of both school and apply separately for each program. Please note that admissions to one program does not guarantee admission to the other. Students are responsible for tuition and

fee payments for all courses taken at both schools. Upon successful completion of the degree, students will receive a diploma from each school.

DDS / MPH

UTSD and UTHealth School of Public Health are partner and offer our dental students the opportunity to enroll in a dual degree programs in dentistry combined with a Master of Public Health (DDS/MPH) to be completed during the four years of dental school. The MPH provides dentists with foundational knowledge in population sciences, and prepares dental students with information and skills required to critically approach and explore issues surrounding healthcare. The combination of a clinical and public health degree will equip graduates with public health skills to treat individuals and public health sector, specialty training, academic, private practice and government services.

The DDS/MPH is an integrated, 45-credit hour program. Requirements include public health core courses, a practicum, a written culminating experience or completion of the capstone course. Dual degree students benefit from twelve approved shared courses, which translates into time and money savings.

For more information and how to apply, contact Director of Dental Public Health Ana Neumann, DDS, PhD, Ana.Neumann@uth.tmc.edu

OMS / MD

The Advanced Education Program in Oral and Maxillofacial six-year program consist of requirements for obtaining the MD degree. The program is offered jointly through the UTSD and McGovern Medical School. The first year is spent with the Oral & Maxillofacial Surgery Department. In the second, third and fourth years, residents are enrolled in medical school, completing years two, three and four of the medical school curriculum. During the fourth year of medical school, eight months are provided for the fulfillment of requirements related to the oral and maxillofacial surgery residency, such as rotations on neurosurgery and anesthesia. The fifth year of the residency is a surgical internship year, which includes an eight-month rotation in Oral & Maxillofacial Surgery. In the sixth year, the resident serves as a chief resident with rotations to six different hospitals. Upon satisfactory completion of the six-year program, residents receive a certificate in Oral & Maxillofacial Surgery and an MD degree.

The six-year OMS/MD candidate must meet the admissions requirements for The McGovern Medical School at UTHealth. These include • A minimum of 90 undergraduate credit hours at an accredited U.S. or Canadian university or college. • One year college English. • Two years college biology. • One year physics. • Two years college chemistry (one year general chemistry and one year organic chemistry).

More detailed information may be found at the McGovern Medical School website.

BSDH / MPH

UTSD has become the first school in Texas to offer dental hygiene student the option of earning credentials toward a master's degree in public health, even as they complete studies for the bachelor's degree in dental hygiene. This agreement is in partnership with UTHealth School of Public Health.

To be eligible, students must be accepted by UTSD before applying separately to the School of Public Health. As they earn the BSDH, the students also complete credits toward a certificate in public health. The baccalaureate dental hygiene program requires five semesters of study

over two years. Those who opt to pursue an MPH will need four years to complete the program. Core disciplines of the MPH degree include biostatistics and epidemiology, which are essential for investigators working in clinical research and dental public health. Additionally, a dental hygienist with an MPH degree will have foundational knowledge of the population sciences and critical issues in health care.

In the constantly evolving health care environment, dental hygienists with interdisciplinary skill sets are becoming increasingly valuable, and those who hold dual degrees such as a BSDH/MPH will be uniquely poised to tackle some of health care's most pressing challenges, such as policy-making, disease prevention, oral health education, oral health research, disparities in access to care, and improving overall quality of care.

For more information about the dual-degree programs and how to apply, contact Director of Dental Public Health Ana Neumann, DDS, PhD, Ana.Neumann@uth.tmc.edu

CONTINUING DENTAL EDUCATION

The Office of Continuing Dental Education offers a wide range of courses covering all aspects of dentistry for both dentists and dental auxiliaries. The courses vary from one-day programs to year-long extended participation programs. Formats include lectures, discussions, demonstrations, and laboratory and/or clinical participation sessions. The emphasis is always on current dental information with practical applications, which are useful to today's practicing dental professionals. The speakers and clinicians for these courses are School of Dentistry faculty and staff and selected nationally and internationally known individuals with extensive experience in their respective fields. No academic credit is given for these courses, but a letter of attendance is provided for credit with various professional organizations. Brochures describing the offering of courses are mailed periodically to active members of the dental profession in Texas. To obtain a brochure or to obtain more specific information regarding a course, please contact the Office of Continuing Dental Education, School of Dentistry, at (713) 486-4028 or send e-mail to: dbcontinuinged@uth.tmc.edu. Access the web site at <http://dentistry.uth.edu/pace/>

UTSD FACULTY ROSTER

Aarup, Shahrzad, *Assistant Professor, General Practice and Dental Public Health*
MA, Allameh University, 1992; DDS, Aarhus University

Acharya, Bhavini, *Assistant Professor, Pediatric Dentistry*
BDS, MR, Ambedkar Dental College & Hospital, 2000; University of Alabama at Birmingham, 2004

Adibi, Shahriar Shawn, *Associate Professor, General Practice and Dental Public Health*
DDS, The University of Oklahoma, 1993

***Aguilos, Michelle D.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
BS, University of Houston, 2008; DDS, Howard University College of Dentistry, 2012

Angelov, Nikola, *Professor and Chair, Periodontics and Dental Hygiene*
DDS, University St. Cyril and Methodius Faculty of Dentistry Skopje, 1993; MS, University of Cyril and Methodius Faculty of Dentistry Skopje, 2000; PhD, University of St Cyril and Methodius Faculty of Dentistry Skopje, 2004

***Angelova, Dragana**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, Loma Linda University School of Dentistry, 2009

Aponte, Asneiry A., *Associate Professor, Restorative Dentistry and Prosthodontics*
DDS, School of Dentistry, University of Los Andes, Merida-Venezuela 1969; MS, University of Alabama School of Dentistry 1978

***Arriaga, Dianna M.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1985

Ayilavarapu, Srinivas, *Associate Professor, Periodontics and Dental Hygiene*
BDS, Kuvempu University, 1998; MSD, University of Mumbai, 2003; D.Sc, Boston University, 2008; CAGS, Boston University, 2010

Badger, Gary, *Professor and Chair, Pediatric Dentistry*
DDS, Georgetown University School of Dentistry, 1970; MS, University of Missouri at Kansas City, 1977

Bahl, Saroj M., *Associate Professor, Periodontics and Dental Hygiene*
PhD, RD, Delhi University India, 1973

***Ball, Jeffrey W.**, *Clinical Assistant Professor, Orthodontics*
DDS, University of Texas Dental Branch, 1980; MS, Baylor College of Medicine, 1990

Barros, Juliana, *Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, University of Uberaba, 1995; MS, University of Michigan, 2001

***Bastiste-Cumby, Ashandra**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, Howard University College of Dentistry, 2007

***Beetar, Rodney F.**, *Professor, Restorative Dentistry and Prosthodontics, Dr. Odont., Cartagena*

University, 1964:

MS, St. Louis University Dental School, 1970; DDS, Creighton University, 1975

Belles, Donald M., *Associate Professor, Restorative Dentistry and Prosthodontics*

DDS, Georgetown University, 1978; MS, University of Texas San Antonio, 1987

***Bemes, Katie C.**, *Clinical Assistant Professor, Orthodontics*

DDS, University of Texas Health Science Center at San Antonio; MSD, University of Texas School of Dentistry at Houston, 2017

***Bentley, Dan**, *Associate Professor, General Practice and Dental Public Health*

DDS, University of Texas at San Antonio, 1992

Bona Velasquez, Gisela M., *Associate Professor, Pediatric Dentistry*

DDS, University of Honduras, 1998; MS, Tufts University School of Medicine, 2005

***Bonaventura, Gina T.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*

DDS, State University of New York at Buffalo School of Dental Medicine, 1986; MS, University of Texas Dental Branch, 2001

***Borders, Catharine E.**, *Clinic Assistant Professor, Orthodontics*

DMD, University of Louise School of Dentistry, 2014; MSD, University of Texas School of Dentistry at Houston, 2016

***Brady, George T.**, *Clinical Assistant Professor, General Practice and Dental Public Health*

BS, University of Kentucky, 1975; DMD, University of Kentucky, 1980

***Brock, Ralph A.**, *Clinical Assistant Professor, Orthodontics*

DDS, Meharry Medical College, 2000; MS, Baylor College of Dentistry, 2002

Busaidy, Kamal, *Professor, Oral and Maxillofacial Surgery*

BDS, Royal London Hospital School of Medical and Dental, 1992; MS University of Texas Dental Branch, 2002

***Bussa, Harry I., Jr.**, *Clinical Professor, Orthodontics*

DDS, University of Texas Dental Branch, 1975; MS, University of Texas Dental Branch, 1977

***Butler, Donald P.**, *Clinical Associate Professor, Oral and Maxillofacial Surgery*

DDS, Baylor College of Dentistry, 1967

***Callis, Amber N.**, *Clinical Assistant Professor, Pediatric Dentistry*

DDS, Baylor College of Dentistry, 2006; MS, Baylor College of Dentistry, 2008

***Cabrera, Jesus E.**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*

DMD, Nova Southeastern University College of Dental Medicine, 2010; MSD, University of Texas School of Dentistry at Houston, 2017

Cain, Lisa D., *Associate Dean for Professional Development and Faculty Affairs and Professor, Office of the Dean*

PhD, University of Mississippi Medical Center, 1989

Candia Solari Neumann, Ana, *Associate Professor, General Practice and Dental Public Health*

DDS, Federal University of Southern Mato Grosso, School of Dentistry, 1992; MPH, University of Texas School of Public Health, 2000; PhD, University of Texas School of Public Health, 2004

Cardenas, Antonio D., *Associate Professor, Pediatric Dentistry*

DDS, Universidad de Antioquia Columbia, 1972; MS University of Illinois, 1975

Chavez de Souza, Leticia, *Assistant Professor, Endodontics*

DDS, Federal University of Rio de Janeiro, 2004; MS Dental Sciences Estacio de Sa'University, 2009; PhD, Military Institute of Engineering, 2014

***Chan, Michael M.**, *Clinical Associate Professor, General Practice and Dental Public Health*

DDS, University of Texas at San Antonio 1997

***Chen, Joseph**, *Clinical Associate Professor, Oral and Maxillofacial Surgery*

DDS, University of Texas Dental Branch, 1978

***Chi, Chia Chen**, *Clinical Assistant Professor, General Practice and Dental Public Health*

DMD, University of Pennsylvania, 2002

Chiquet, Brett T., *Assistant Professor, Pediatric Dentistry*

DDS, University of Texas Dental Branch, 2011; PhD, University of Texas School of Biomedical Sciences, Houston, 2011

Clark, Ashley N., *Assistant Professor, Diagnostic and Biomedical Sciences*

DDS, Indiana University School of Dentistry, 2010

***Colston, Mary K.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*

RDH, University of Texas Health Science Center at San Antonio, 2009

***Colville, Clark D.**, *Clinical Assistant Professor, Orthodontics*

DDS, University of Texas at San Antonio, 1989; MS University of Texas Dental Branch, 1993

***Conn, Ruth E.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*

RDH, University of Texas Dental Branch, 1978

***Cooley, Ralph A.** *Assistant Dean for Admissions and Clinical Associate Professor, General Practice and Dental Public Health*

DDS, Baylor College of Dentistry, 1980

***Cooper-Newland, Deborah L.**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*

DDS, University of Zulia Dental School Venezuela, 1987; DDS University of Texas Dental Branch, 1991

***Corbett, John A.**, *Clinical Associate Professor, Orthodontics*

DDS, Ohio State University, 1972; MS, University of Texas Dental Branch, 1978

***Cozad, Benjamin E.**, *Clinical Assistant Professor, Orthodontics*

DDS, Baylor College of Dentistry, 2011; MS University of Texas School of Dentistry, 2013

***Dahiya, Ankur**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*

BDS, Bharati Vidyapeeth Deemed University, 2006; MDS, Bharati Vidyapeeth Deemed University, 2012

Debes, Robert R., *Clinical Professor, Oral and Maxillofacial Surgery.*
DDS, Baylor College of Dentistry, 1953; MA, Baylor University, 1949

Delattre, Veronique F., *Professor, General Practice and Dental Public Health; Director, Quality Assurance & Risk Management, Office of Patient Care*
DDS, University of Texas Dental Branch, 1986

Demian, Nagi, *Professor, Oral and Maxillofacial Surgery*
DDS, University of Texas Dental Branch, 1999; MD, University of Texas Medical School, 2003

***Diaz, Ivette M.**, *Clinical Assistant Professor, Pediatric Dentistry*
DDS, Baylor College of Dentistry Dallas, 2001

***Doh, Hae J.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas School of Dentistry at Houston, 2012

Dorn, Samuel O., *Professor and Program Director, Endodontics*
DDS, Fairleigh Dickinson University School of Dentistry, 1970

Dosani, Fehmida, *Clinical Professor, Pediatric Dentistry*
DDS, University of Toronto, 2009

***Dosch, Robert O.**, *Clinical Associate Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1976

***Dugarte, Alba N.**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, Universidad de Los Andres Venezuela, 2003; MSD, Universidad Central de Venezuela, 2007

***Echeverri, Elsa A.**, *Clinical Associate Professor, Pediatric Dentistry*
DDS, University of Zulia School of Dentistry, 1978

***Eldiwany, Magda S.**, *Clinical Associate Professor, Restorative Dentistry and Prosthodontics.*
DDS, University of Cairo, 1975, DDS, University of Texas Dental Branch, 1989

***Elkins, Maria L.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DDS, Universidad Santa Maria Venezuela, 2007; MS, Loma Linda University 2013

***Ellis, Randy**, *Clinical Associate Professor, Orthodontics*
DDS, University of Texas Dental Branch, 1987; MS University of Texas Dental Branch, 1998

English, Jeryl D., *Professor and Chair, and Program Director, Fred A. and Dianne F. Garrett Endowed Chair in Orthodontics*
DDS, University of Missouri School of Dentistry, 1971; MS, University of Missouri School of Dentistry, 1976

Fakhouri, Walid D., *Assistant Professor, Diagnostic and Biomedical Sciences*
MSc, University of Hohenheim, Germany, 1995; PhD, Michigan State University, 2002

Farach-Carson, Mary C., *Professor, Basic Sciences*
PhD, Virginia Commonwealth University, 1982

Fay, Rose-Marie, *Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1986; MS, University of Texas Science Center at Houston, 2000

Franklin, Deborah R., *Associate Professor, General Practice and Dental Public Health*
DDS, Temple University, 1981; MA, University of Houston, 1998

Fray, David F., *Associate Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1979; BS, Houston Baptist University, 1975, MBA, Oklahoma City University, 1997

***Freeman, Kim**, *Clinical Assistant Professor, Endodontics*
DMD, Washington University School of Dental Medicine, 1985; MS, University of Texas Dental Branch, 1988

Freeman, Phillip N., *Associate Professor, Oral and Maxillofacial Surgery*
DMD, University of Louisville, School of Dentistry, 1973; MD, University of Louisville, School of Medicine, 1983

Frey, Gary N., *Associate Professor and Chair of General Practice and Dental Public Health; Vice-Chair of Restorative Dentistry and Prosthodontics*
DDS, University of Texas Dental Branch, 1979

***Gallerano, Ronald L.**, *Clinical Associate Professor, Orthodontics*
DDS Louisiana State University, 1972; MSD, University of Washington, 1976

Garcia, Dennis E., *Assistant Professor, Periodontics and Dental Hygiene*
BS, University of Texas Southwestern Medical Center, 2007; MBA, Texas Woman's University, 2013

Gardner, Amity L., *Assistant Professor, General Practice and Dental Public Health*
DDS, Creighton University, 2001

***Garrett, Fred A.**, *Clinical Professor, Orthodontics*
DDS, Washington University, 1958; M.S., Washington University, 1963

Gaw, Allen, *Clinical Assistant Professor, Pediatric Dentistry*
DDS, University of Texas Dental Branch, 1972

***George, Mary**, *Clinical Assistant Professor, General Practice and Dental Public Health*
BS, Houston Baptist University, 2007; DDS, Howard University college of Dentistry, 2013

***Ghaneh, Ghazaleh**, *Clinical Assistant Professor, Endodontics*
DDS, Esfahan Azad University, 2002; MSD, University of Texas Houston School of Dentistry, 2014

***Gibson, Kathy A.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1986

***Gilbert, Harry D.**, *Professor, Nguyen Thong Professor in Oral Maxillofacial Surgery*
DDS, University of Missouri at Kansas City, School of Dentistry, 1971

***Glick, Aaron**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS University of Texas Health Science Center at San Antonio, 2014

Gonzalez, Maria, *Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, Universidad Veracruzana, 1996; MS University of Texas Dental Branch, 2002

***Goravanchi, Babak**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS University of Texas Dental Branch, 2003

***Guajardo, Leticia**, *Assistant Professor, Endodontics*
DDS, University of Nuevo Leon School of Dentistry, Monterrey, Mexico, 1990

***Guzman Lopez, Alejandra T.**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, University of Santa Maria, 2004; MS, University of Texas Health Science Center 2012

***Hakki, Omar W.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DDS, Indiana University School of Dentistry, 1995; MSD, Indiana University School of Dentistry, 2000

Hanna, Issa A., *Assistant Professor, Oral and Maxillofacial Surgery*
DDS, University of North Carolina, School of Dentistry, 2004

***Hanna, Raouf**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DDS, Cairo University School of Oral Dental Medicine, 1998; MS, University of Texas Dental Branch, 2003

Hansen-Kiss, Emily, *Instructor, Diagnostic Sciences and Biomaterials*
MS, University of Minnesota, 2010; MA University of Minnesota, 2010

Harrington, Daniel A., *Assistant Professor, Basic Sciences*
PhD, Northwestern University, 2004

***Harris, Christopher A.**, *Clinical Assistant Professor, Pediatric Dentistry*
DMD, University of Mississippi School of Dentistry, 2013

***Harris, Lacey M.**, *Clinical Assistant Professor, Orthodontics*
BS, University of Southern Mississippi, 2009; DMD, University of Mississippi School of Dentistry, 2013

Hecht, Jacqueline T., *Associate Dean for Research, Professor and Division Head Pediatric Research Center, Vice Chair for Research Dept. of Pediatrics, U T Medical School*
PhD, University of Texas School of Public Health, 1988; MS, University of Colorado Medical Center, 1976:

Henson, Harold A., *Director of Center for Teaching and Learning, Associate Professor of Dental Hygiene, Periodontics and Dental Hygiene*
RDH, University of Texas Dental Branch, 1995, MEd, University of Houston/Baylor College of Medicine, 2001; PhD, Texas A&M, 2013

Herbert, Amy K., *Assistant Professor, Pediatric Dentistry*
DDS, Columbia University of Dental Medicine, 2012

***Huynh, Carolyn P.**, *Assistant Professor, Diagnostic and Biomedical Sciences*
DDS, University of Texas Dental Branch, 1993; MEd, University of Houston, 2012

***Ibarra, Bret A.**, *Clinical Assistant Professor, Pediatric Dentistry*
DDS, University of Iowa College of Dentistry, 2006; MS, University of Texas Dental Branch, 2008

Iwata, Junichi, *Assistant Professor, Diagnostic and Biomedical Sciences*
DDS, Kyushu University, School of Dentistry, Japan, 2000; PhD, Kyushu University, School of Dentistry, Japan, 2004

Jacob, Helder Baldi, *Assistant Professor, Orthodontics*
DDS, Sao Paula State University, 1994; MS, Sao Paula State University, 2006

Jadhav, Aniket B., *Assistant Professor, Diagnostic and Biomedical Sciences*
MS, University of St. Francis, Joliet, IL, 2010; DDS, University of Connecticut Health Center School of Dental Medicine, 2010

***James, Jeb S.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1975,

***James, Jennifer D.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DMD, Temple University, 2014

Jaramillo, David E., *Associate Professor, Endodontics*
DDS, University Autonoma de Guadalajara, 1989

Jeong, Ji Wook, *Assistant Professor, Endodontics*
DMD, Kyung Hee University School of Dentistry, 2001

Jeske, Arthur H., *Associate Dean for Strategic Planning, Continuing Dental Education and Professor*
PhD, Medical College of Georgia, 1975; DMD, Medical College of Georgia, 1978

Jeter, Cameron B., *Professor and Doan Huynh Le Endowed Professorship, General Practice and Dental Public Health*
PhD, Graduate School of Biomedical Sciences, 2010

Johnson, Cleverick D., *Associate Professor, Director of Urgent Care, General Practice and Dental Public Health*
MS, Texas Southern University, 1981; DDS, University of Texas Dental Branch, 1986

Johnson, Ronald, *Professor, Pediatric Dentistry*
DDS, University of Pittsburgh 1961

***Joseph, Jack I.**, *Clinical Associate Professor, General Practice and Dental Public Health*
DDS, State University of New York, 1968

Jundt, Jonathon S., *Clinical Assistant Professor, Oral and Maxillofacial Surgery*
BA, Southwestern University, 2004; DDS, University of Texas Science Center San Antonio, 2009; MD University of Texas Medical School of Houston, 2013

Kasper, Fred K., *Assistant Professor, Orthodontics*

BS, Case Western Reserve University, 1999; PhD, Rice University 2006

***Kattchee, Phillip A.**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*
DDS, University of Texas Dental Branch 1884

Kiat-Amnuay, Sudarat, *Professor, General Practice and Dental Public Health*
DDS, Kohn Keanu University 1994; MS, University of Louisville, 1999

Klein, John R., *Professor, Diagnostic and Biomedical Science*
PhD, University of Pennsylvania School of Medicine, 1980

Koh, Sheila H., *Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1990

Korkmaz-Ceyhan, Yonca, *Clinical Associate Professor, Restorative Dentistry and Prosthodontics*
DDS, Gazi University, School of Dentistry, Ankara, Turkey, 1997; PhD, Hacettepe University, School of Dentistry, Ankara, Turkey, 2005

***Koutrach, Mohamad**, *Clinical Associate Professor, Restorative Dentistry and Prosthodontics*
DDS, University of Detroit Mercy School of Dentistry, 1999

Lakschevitz, Flavia S, *Assistant Professor, Periodontics and Dental Hygiene*
BDS, Universidade Federal Fluminense, 1995; Universidade Federal Fluminense, 2002; PhD, University of Toronto, 2013

Laman, Stephen, *Assistant Professor and Executive Director of Faculty Practice, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1986

***Lan, Magret**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas at San Antonio, 1998; MS, University of Texas at Houston Dental Branch, 2008

***Lawnin, Nelson Reynolds**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, New York University College of Dentistry, 2011

Lee, Chun-The, *Assistant Professor, Periodontics and Dental Hygiene*
DDS, National Taiwan University, 2007; MS, Columbia University, 2012

***Lee, Robert P.**, *Clinical Associate Professor, Orthodontics & Dentofacial Orthopedics and Oral and Maxillofacial Surgery*
DDS, University of Texas Dental Branch, 1999; MS, University of Texas Dental Branch, 2004

Letra, Ariadne Machado, *Associate Professor, Basic Sciences*
DDS, Fluminense Federal University, Niterio RJ, Brazil, 1995; State University of Rio de Janeiro, Brazil, 2003; PhD, University of Sao Paulo, Bauru, Brazil, 2007

***Levine, Paul D.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas School of Dentistry at Houston, 1982

***Lewis, Regina**, *Clinical Assistant Professor, Pediatric Dentistry*
DDS, University of Texas Dental Branch, 1991

Lipton, David I., *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Michigan, 2008; MS, University of Florida, 2016

***Lovatos, Amber L.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
BSDH, University of Texas School of Dentistry at Houston, 2013

Lou, Yahuan, *Professor, Diagnostic and Biomedical Science*
PhD, Hokkaido University, 1990

***Lu, Huan**, *Clinical Associate Professor, Restorative Dentistry and Prosthodontics*
DDS, Beijing Medical University, 1992; PhD, Peking University, 2000; DDS, USCSD, 2010

***Makins, Scott R.**, *Associate Professor, Endodontics*
DDS, University of Texas Dental Branch, 1980; MS, University of Texas Health Science Center at San Antonio, 2015

***Maldonado, Cristina B.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
BSDH, University of Texas Dental Branch, 2011

Marchena, Jose M., *Associate Professor, Oral and Maxillofacial Surgery*
BA, Clark University, 1991; DMD, Harvard School of Dental Medicine, 1996; MD, Harvard Medical School, 1998

Mayer, Larry D., *Clinical Associate Professor, Orthodontics*
DDS, University of Texas Dental Branch, 1970; MS, University of Texas Dental Branch, 1974

***McCrea, Kyle**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas at San Antonio, 1990

***McGriff-Metz, Lisa**, *Clinical Assistant Professor, Pediatric Dentistry*
DDS, University of Maryland Baltimore College of Dentistry, 2001

***McGrory, John K.**, *Clinical Associate Professor, Orthodontics*
DDS, University of Texas Dental Branch, 2006; MS, University of Texas Dental Branch, 2008

***McGrory, Kathleen R.**, *Clinical Associate Professor and Clinic Director, Orthodontics*
DDS, University of Texas Dental Branch, 2004; MS, University of Texas Dental Branch, 2006

McKittrick, Darla K., *Associate Professor of Dental Hygiene, Periodontics and Dental Hygiene*
RDH, Ohio State University, 1970; BS, Ohio State University, 1971; MS University of Houston-Clear Lake, 1992

***Melchor, Margo Y.**, *Associate Professor, Director of Community Outreach, Dental Hygiene, Periodontics and Dental Hygiene*
RDH, University of Texas Dental Branch, 1991; BS, University of Texas Dental Branch, 2006; MEd, University of Houston, 2009

Melville, James C., *Assistant Professor, Oral and Maxillofacial Surgery*
DDS, University of Michigan School of Dentistry, 2005

***Meng, Hsiu-Wan**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DDS, Kaohsiung Medical University, 2007; MS, Ohio State University, 2013

***Millan, Lorena**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, Universidad Santa Maria, 2009

***Miller, Michael B.**, *Clinical Associate Professor, General Practice and Dental Public Health*
DDS, University of Maryland School of Dentistry, 1974; BS, Penn State University, 1970

Min, Seonghong, *Assistant Professor Periodontics NTC, Periodontics and Dental Hygiene*
DDS, Nihon University School of Dentistry, 2005; MS, University of Southern California, 2014

***Moon, Audrey L.**, *Clinical Assistant Professor, Dan West Endowed Professorship Orthodontics*
DDS, University of Texas School of Dentistry, 2012; MSD, University of Texas School of
Dentistry, 2014

***Mukherji, Gargi**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, Baylor College of Dentistry, 2000

Myers, Alan L., *Associate Professor, Basic Sciences*
PhD, West Virginia University, 2005; Pham D, University of the Science Philadelphia, 1999

Nguyen, Vuvi H., *Assistant Professor, Basic Sciences*
PhD, North Texas Health Science Center, 2016; MS, University of Texas Health Science Center
at Houston, 2010

***Nikdel, Cathy**, *Research Assistant Professor, Technology Services and Informatics*
MPH, University of Texas School of Public Health, 2017; DDS, University of Gothenburg,
Sweden, 1999

***Nikdel, Kian**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Gothenburg, Sweden, 1997

Novak, Karen Faye, *Clinical Professor, Periodontics and Dental Hygiene*
DDS, University of North Carolina, 1982; MS, University of Rochester, NY, 1989; PhD, University
of Texas Health Science Center at San Antonio, 1992

Nwizu, Ngozi N., *Assistant Professor, Diagnostic and Biomedical Sciences*
BDS, University of Lagos, 1992; MMSc, University of Glasgow, 1996; PhD, Cancer Epidemiology
Roswell Park Cancer Institute, 2014

Ogureke, Ezinne Ihuoma, *Associate Professor, General Practice and Dental Public Health*
BDS, University of Nigeria, School of Dentistry, Enugu, Nigeria, 1991; DMD, Tufts University
School of Dental Medicine, Boston Massachusetts, 1999

Ogubureke, Kalu U., *Professor and Chair, Diagnostic and Biomedical Sciences Endowment,
Diagnostic and Biomedical Sciences*
BDS, University of Ibadan, 1986; MSc, University of Glasgow, 1993; DMSc Harvard University,
2001

Ontiveros, Joe C., *Professor and John M. Powers Professorship, Restorative Dentistry and
Prosthodontics*

DDS, University of Texas at San Antonio, 1997

Paravina, Rade, *Professor and Director, HCBB, and R. Cooley Professorship,, Restorative Dentistry and Prosthodontics*

DDS, University of Nis School of Medicine, Yugoslavia, 1988; PhD, University of Nis School of Medicine, Yugoslavia, 2000

Parikh, Neha, *Assistant Professor, Basic Sciences*

PhD, NCBS India, 2007; MS, All India Institute of Medical Sciences, 2001

Patel, Shalizeh, *Associate Professor, Restorative Dentistry and Prosthodontics*

DDS, University of Texas Dental Branch, 2001

***Patel, Tulsi**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*

BSDH, Pacific University, 2014; MHA, Pacific University 2016

***Patrounova, Victoria**, *Clinical Assistant Professor of Dental Hygiene, Periodontics and Dental Hygiene*

RDH, University of Texas Dental Branch, 1999; MHA, Texas Women University, 2007

***Paukert, James**, *Assistant Professor, General Practice and Dental Public Health*

DP, University of California Berkley, 1977; DDS, University of Texas Dental Branch; GPR, USAF Regional Hospital, 1985; GDR, Wilford Hall Medical Center 2000

***Pazmino, Alice**, *Clinical Assistant Professor, Pediatric Dentistry*

DDS, University of Maryland Baltimore College of Dental Surgery, 2008; MS, University of Texas Dental Branch, 2010

***Pedlar, Christopher M.**, *Clinical Assistant Professor, General Practice and Dental Public Health*

DDS, University of Texas School of Dentistry, 2012

Pereira Sanchez, Natalie A., *Assistant Professor, Restorative Dentistry and Prosthodontics*

BS, Unidad Educativa Colegio, 1998; DDS, Carabobo University School of Dentistry, 2004

***Piazza Jr., Joseph M.**, *Clinical Assistant Professor, General Practice and Dental Public Health*

DDS, University of Texas Dental Branch, 1979

Pierpont, Hugh P., *Professor, Restorative Dentistry and Prosthodontics*

DDS, University of Texas Dental Branch, 1977

***Posada, Michael**, *Clinical Assistant Professor, Pediatric Dentistry*

DDS, Universidad Latina De Costa Rica, 2007; DMD, Boston University, 2013; CAGS, Boston University, 2013

***Powell, Billy L.**, *Clinical Assistant Professor, Orthodontics*

DDS, University of Texas Dental Branch, 1985; MS, Baylor University, 1981

***Powers, John M.**, *Professor Restorative Dentistry and Prosthodontics*

PhD, University of Michigan, 1972

Quock, Ryan, *Professor, Restorative Dentistry and Prosthodontics*

DDS, University of Texas Dental Branch, 2005

***Rehman, Saleha**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Illinois, 2008

***Ridall, Amy**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, State University of New York at Buffalo, School of Medicine, 1984; MS, State University of New York at Buffalo, School of Dental Medicine, 1987; PhD, University of Texas Graduate School of Biomedical Sciences at Houston, 1995

***Roos, Jillian E.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
RDH, Lone Star College, 2010

Ruona, Kimberly, *Associate Dean for Patient Care and Assistant Professor, General Practice and Dental Public Health*
DDS, University of Michigan, Ann Arbor, 1992

***Saab, Xavier E.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Guayaquil, 2001

Sadowsky, June, *Associate Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental School at San Antonio, 1982; MPH, University of Texas School of Public Health at San Antonio, 1995

Sagomyants, Karen, *Assistant Professor, Periodontics and Dental Hygiene*
DMD, First Tashkent State Medical Institute, 2005; PhD, University of Connecticut Health Center, 2014

***Sajadi, Ali S.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
BA, Washington University, 2003; MA, Loyola University, 2006; DDS, Indiana University School of Dentistry 2012; MSD, University of Texas School of Dentistry at Houston, 2015

Salako, Nathnael O., *Associate Professor of Pediatric Dentistry, Pediatric Dentistry*
BDS, University of Lagos Nigeria, 1974; MSc, University of London, 1978

***Saour, Tanya**, *Clinical Assistant Professor, Pediatric Dentistry*
DDS, University of Detroit Mercy, 2009

***Sarmast, Nima D.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DDS, Gothenburg University, 2008; MS, Gothenburg University, 2009; MPH, State University of New York, 2014

Sauceda Ramirez, Anna M., *Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, National Autonomous University of Honduras, 2002; MS, University of Alabama at Birmingham, 2010

Schaefer, Jeremy S., *Assistant Professor, Diagnostic and Biomedical Sciences*
BA, University of Michigan Ann Arbor, 1999; PhD, Baylor College of Medicine Houston, 2007

***Schuldy, George F.**, *Clinical Assistant Professor, Orthodontics*
DDS, Baylor College of Dentistry, 1970; MS, University of Missouri-Kansas City, 1972

Scott, Elizabeth M., *Assistant Professor, General Practice and Dental Public Health*
DDS, Columbia University College of Dental Medicine, 2012

***Scruggs, Charles K.**, *Oral and Maxillofacial Surgery*
DDS, University of Illinois College of Dentistry, 1977

***Seaman, Justin J.**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*
DDS, New York University College of Dentistry, 2008; MD, University of Texas Medical School, 2012

Servos, Thomas A., *Assistant Professor, of Restorative Dentistry, General Practice and Dental Public Health*
DDS, University of Texas at San Antonio Dental School, 1983

Sharp, Holly, *Assistant Professor, Restorative Dentistry and Prosthodontics*
BS, University of North Texas, 2001; DDS, University of Texas Health Science Center San Antonio, 2005

***Sheng, Sally L.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*
DDS, University of California School of Dentistry, 2011; MS, University of California, 2014

***Shepherd, Boyd**, *Clinical Associate Professor, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1988

***Shokralla, Dina**, *Clinical Assistant Professor, General Practice and Dental Public Health*
BDS, Ain Shams University, 2006; DMD Boston University Goldman School of Dental Medicine, 2011

Shum, Jonathan, *Assistant Professor, Oral and Maxillofacial Surgery*
DDS, University of Toronto, 2005; MD, Weill Cornell Medical College, New York, NY, 2010

Silva, Renato Menezes, *Associate Professor and Chair, Endodontics*
DDS, Gama Filho University, Rio de Janeiro, Brazil, 1994; MS, University of Sao Paulo, Brazil, 2003; PhD, University of Sao Paulo, Brazil, 2006

***Sista, Vinu T.**, *Clinical Assistant Professor, General Practice and Dental Public Health*
BS, University of California, 2001; DDS, University of California 2005

Sly, Marilia M., *Assistant Professor, Restorative Dentistry and Prosthodontics*
DDS, Faculdade de Odontologia de Campos, 1995; MSD, Indiana University School of Dentistry, 2006

***Smith, Bruce S.**, *Clinical Associate Professor, Oral and Maxillofacial Surgery*
DDS, Baylor College of Dentistry, 1986

Soldatos, Nikolaos K., *Assistant Professor, Periodontics and Dental Hygiene*
DDS, University of Athens, 2006; PhD, University of Athens, 2012; MSD, University of Colorado, 2015

Spears, Robert D., *Associate Dean Student and Academic Affairs, Professor, Diagnostic and Biomedical Sciences*
BS, Texas A&M University, 1979; MS, Baylor University, 1994; PhD, Texas A&M University

System Health Science Center, 2002

***Stanley, Eva**, *Clinical Assistant Professor, Endodontics*

DDS, University of Texas Dental Branch, 1991; MS, University of Texas Dental Branch, 1998

Stewart, Debra Gayle, *Clinical Assistant Professor, General Practice and Dental Public Health*

MS, Southwestern Texas State University, 1974; DDS, University of Texas Dental Branch, 1980

***Stobaugh, Ronald K.**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*

BA, University of Texas at Austin, 1964; MS, University of Texas at Austin, 1966; DDS, University of Texas Dental Branch, 1970

Streckfus, Charles, *Professor, Diagnostic and Biomedical Sciences*

DDS, University of Maryland School of Dental Surgery, 1978

***Strickland, Royce E.**, *Clinical Assistant Professor, General Practice and Dental Public Health*

DDS, University of Texas Dental Branch, 1979

***Stylianou, Popi**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*

BDS, Aristotle University of Thessaloniki, 2009; MS, University of Minnesota, 2014; DRS, University of Minnesota, 2015

Sullivan, Victoria, *Assistant Professor of Pediatric Dentistry NTC, Pediatric Dentistry*

DDS, University of the Pacific, 1995; MA, Rutgers University, 2016

***Swearingen, Elizabeth B.**, *Clinical Assistant Professor, Orthodontics*

DDS, University of Texas Dental Branch, 2011; MSD, University of Texas School of Dentistry, 2013

Tabrizi, Maryam, *Assistant Professor, General Practice and Dental Public Health*

BS, Saint Joseph's University, 1980; RDH, Temple University School of Dental Hygiene, 1987; DMD, Temple University School of Dentistry, 1991; MPH, Temple University, 2014

***Tandon, Anoushka J.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*

DDS, Northern University Dental School, 2001; MS, University of Texas Health Science Center at San Antonio, 2004

Thiviyathan, Varatharasa, *Instructor, Research Office*

PhD, Purdue University, 1997

***Thomas, Erin**, *Clinical Associate Professor, General Practice and Dental Public Health*

DDS, University of Texas Dental Branch, 1998

***Tran, Long D.**, *Clinical Associate Professor, General Practice and Dental Public Health*

DDS, University of Texas Dental Branch, 1991

***Trejo, Pedro M.**, *Clinical Associate Professor Periodontics and Dental Hygiene*

DDS, University of Mexico, 1983; M.S., University of Texas Dental Branch, 1992

Tribble, Gena D., *Assistant Professor, Periodontics and Dental Hygiene*

PhD, East Carolina University School of Medicine, 1998

Valenza, John A., *Dean, and William N. Finnegan III Distinguished Teaching Professorship in Dental Sciences, and Associate Professor, Diagnostic and Biomedical Science*
DDS, University of Texas Dental Branch, 1981

Van der Hoeven, Dharini, *Assistant Professor, Basic Sciences*
MSc, Dalhouse University, Canada, 2004; PhD, Medical College of Wisconsin, 2008

Van der Hoeven, Ransome, *Assistant Professor, Basic Sciences*
PhD, University of Wisconsin, 2008

***Vaughan, Steven**, *Clinical Associate Professor, General Practice and Dental Public Health*
DDS, University of Texas at San Antonio, 2004

***Vayon, Deborah**, *Assistant Professor, Periodontics and Dental Hygiene*
AS, Lamar University, 1987; BS, Texas Woman's University, 1990; Med, Lamar University, 1993

Veerkeralam Kuppusamy Eswaran, Sridhar, *Assistant Professor, Periodontics and Dental Hygiene*
BDS, Tamil Nadu Dr. MGR Medical University, Chennai, India, 2001; MS, Stony Brook University, New York, 2006; MSD, University of Texas Dental Branch, 2009

Vigneswaran, Nadarajah, *Professor, Diagnostic and Biomedical Sciences*
BDS, University of Peradenly, Sri Lanka, 1980; DrMedDent, University of Erlagen, Germany, 1988; DMD, University of Alabama, 1997

***Vo, Victoria**, *Clinical Assistant Professor, General Practice and Dental Public Health*
DDS, University of Texas School of Dentistry at Houston, 2015

Walji, Muhammad, *Associate Dean Technology Services and Informatics, Professor of Diagnostic and Biomedical Science*
MS, Health Informatics, University of Texas, School of Health Information Sciences at Houston, 2002; PhD, University of Texas Health Science Center, 2006

Wang, Bing-Yan, *Professor, Periodontics and Dental Hygiene*
DMSc, Hokkaido University Japan, 1973; PhD, University at Buffalo New York, 2004; DDS, University of Buffalo at New York, 2010

***Warner, Ben Franklin**, *Clinical Associate Professor, General Practice and Dental Hygiene*
MS, University of Houston, 1976; DDS, University of Texas Dental Branch, 1979; MD, University of Texas Medical School, 1994

Warner, Raymond L., *Associate Professor, Diagnostic and Biomedical Sciences*
PhD, University of California, 1970

Warren-Morris, Donna P., *Professor and Director of Dental Hygiene, Periodontics and Dental Hygiene*
RDH, University of North Carolina, 1973; MEd, University of North Carolina, 1982

Welch, Jesse G., *Associate Professor of Restorative Dentistry NTC, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1981

Weltman, Robin L., *Professor and Program Director, Periodontics and Dental Hygiene*
DDS, University of Texas Dental Branch, 1987; MS, University of Texas Dental Branch, 1995

White, Michele, *Assistant Professor of Restorative Dental NTC, General Practice and Dental Public Health*
DDS, University of Texas Dental Branch, 1997

***Whitmire, Clark**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*
DMD, University of Alabama School of Dentistry, 1980; DD, Cumberland School of Law, Sanford University, 1994

Wilson, James W., *Assistant Professor, Oral and Maxillofacial Surgery*
DDS, University of North Carolina School of Dentistry, 1971

Wong, Mark E., *Professor and Chairman, Oral and Maxillofacial Surgery*
BDS, Faculty of Dentistry, University of Singapore, 1978

Wu, Di, *Assistant Professor, Pediatric Dentistry*
MD, Anhui Medical University, 2003; MS, Anhui Medical University, 2006; BBA, University of Science and Technology of China, 2006; PhD, University of Hong Kong, 2011; MS, University of Michigan, 2013

***Young, Simone**, *Assistant Professor and Young Research Professorship in Oral Surgery, Oral and Maxillofacial Surgery*
DDS, University of Toronto, 2003; PhD, Rice University, 2008; MD, University of Texas Medical School, 2011

***Younus, Fabia**, *Clinical Assistant Professor, General Practice and Dental Public Health*
BDS, University of Karachi, 2009

Zhang, Wenjian, *Associate Professor, Diagnostic and Biomedical Sciences*
MS, Wuhan University, 1997; PhD, University of Connecticut Health Center, 2006

**Denotes part-time faculty*

Emeritus Professors

Adkisson, Sam R., *DDS, Professor Emeritus, Restorative Dentistry and Prosthodontics*

Bebermeyer, Richard D., *DDS, MBA, Professor Emeritus, General Practice and Dental Public Health*

Bouquot, Jerry E., *DDS, MSD, Professor Emeritus, Diagnostic and Biomedical*

Brady, Kenneth H., *DDS, Professor Emeritus, General Practice and Dental Public Health*

Casey, Charles H., *DDS, Professor Emeritus, Restorative Dentistry and Prosthodontics*

Chan, Jarvis T., *DDS, PhD, Professor Emeritus, Diagnostic and Biomedical Sciences*

Crandell, Clifton E., *DDS, MS, Professor Emeritus, General Practice and Dental Public Health*

Duke, Pauline J., PhD, Professor Emerita, Orthodontics

Fullerton, Leslie O., DDS, MSD, Associate Professor Emeritus, General Practice and Dental Public Health

Gibson, Kathleen, R., PhD, Professor Emeritus, Diagnostic and Biomedical Sciences

Goldschmidt, Millicent E., PhD, Professor Emerita, Diagnostic and Biomedical Sciences

Helfrick, John F., DDS, Professor Emeritus, Oral and Maxillofacial Surgery

Johnson, James V., DDS, MS, Professor Emeritus, Oral and Maxillofacial Surgery

Komatsu, Shigeki, DDS, Professor Emeritus, General Practice and Dental Public Health

Madsen, Kenneth O., PhD, Professor Emeritus, Diagnostic and Biomedical Sciences

McDaniel, Raymond K., DDS, MS, Professor Emeritus, Diagnostic and Biomedical Sciences

McMahon, John C., PhD., Professor Emeritus, Diagnostic and Biomedical Sciences

Minkoff, Robert, DDS, Professor Emeritus, Orthodontics

Morrison, William E., BS, MS, Professor Emeritus, General Practice and Dental Public Health

O'Neill, Paula N., EdD, Professor Emerita, Diagnostic and Biomedical Sciences

O'Neill, Peggy A., PhD, DDS, Professor Emerita, Periodontics and Dental Hygiene

Parris, Sam H., DDS, Professor Emeritus, General Practice and Dental Public Health

Pate, Theodore, D., PhD, Professor Emeritus, Diagnostic and Biomedical Sciences

Roeder, Leslie, DDS, Professor Emerita, Diagnostic and Biomedical Sciences

Rosborough, John P., DVM, PhD, Professor Emeritus, General Practice and Dental Public Health

Simmons, Douglas M., DDS, MPH, Professor Emeritus, General Practice and Dental Public Health

Sweet, James B., DDS, MS, Professor Emeritus, Oral and Maxillofacial Surgery

Triola, Peter, DDS, MS, Professor Emeritus, Restorative Dentistry and Prosthodontics

Vogel, James J., PhD, Professor Emeritus, Diagnostic and Biomedical Sciences

Von der Lehr, William N., DDS, MAT, Professor Emeritus, Restorative Dentistry and Prosthodontics

Wheatcroft, Merrill G., DDS, Professor Emeritus, Diagnostic and Biomedical Sciences