UTHealth® Houston | School of Dentistry

The University of Texas Health Science Center at Houston School of Dentistry

2022–2023 Academic Catalog

The University of Texas Health Science Center at Houston (UTHealth Houston) 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 Houston on the basis of race, color, national origin, religion, sex, sexual orientation, gender expression or gender identity, age, veteran status, genetic information, disability or any other basis prohibited by law.

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MESSAGE TO STUDENTS FROM DEAN JOHN A. VALENZA, DDS

Welcome to Houston and the Texas Medical Center!

Welcome to School of Dentistry, a part of The University of Texas Health Science Center at Houston (UTHealth Houston). 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 UTHealth Houston School of Dentistry 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 UTHealth Houston School of Dentistry!

Sincerely,

John A. Valenza, DDS '81
Dean
William N. Finnegan III Distinguished Teaching Professor in the Dental Sciences

ACADEMIC CALENDAR 2022-2023

2022

July 1	Friday	Session Begins at 8:00 a.m. for Graduate Students, Postgraduate Students and Residents*
July 4	Monday	Holiday- Independence Day
August 15	Monday	Fall Semester begins at 8:00 a.m. for all Students
September 5	Monday	Holiday – Labor Day
November 24-25	Thursday-Friday	Holiday –Thanksgiving
December 5-16	Monday-Friday	Examinations for Dental and Dental Hygiene Students
December 16	Friday	Fall Semester ends at 5:00 p.m. for all Students

2023

January 3	Monday	Spring Semester begins at 8:00 a.m. for Dental, Dental Hygiene, Graduate and Postgraduate Students
January 16	Monday	Holiday – Martin Luther King, Jr.'s Birthday
March 13-17	Monday-Friday	Spring Break
May 1-12	Monday- Friday	Examinations for Dental and Dental Hygiene Students
May 12	Friday	Spring Semester ends at 5:00 p.m. for, DDS IV and Dental Hygiene Students II
May 21	Friday	Graduation
May 29	Monday	Holiday – Memorial Day
May 30	Tuesday	Summer Term begins for DDS I, II, III and Dental Hygiene I
June 30	Friday	Spring Session ends at 5:00 p.m. for Advanced Education Students
July 21	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.

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ADMINISTRATION

John A. Valenza, DDS
Dean

Robert D. Spears, PhD
Associate Dean
Student and Academic Affairs

Shalizeh (Shelly) A. Patel, DDS, MEd
Interim Associate Dean for Patient Care

Lisa D. Cain, PhD
Associate Dean
for Professional Development and Faculty Affairs

Mary (Cindy) Farach-Carson, 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

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GENERAL INFORMATION

Accreditation

The programs offered by UTHealth Houston School of Dentistry 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

UTHealth Houston School Dentistry 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

UTHealth Houston School Dentistry 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 Houston).

Our Vision "Improving Oral Health… Improving Overall Health"

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

POLICIES AND PROCEDURES

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-completion programs, Master of Science in Dental Hygiene (MSDH), 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:

1. 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;
2. 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;
3. 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;
4. 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;
5. 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 (≥ 18 hrs/semester);
6. 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
7. 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.

Student Conduct and Discipline

Students are responsible for knowing and observing University regulations concerning student conduct and discipline, including those set forth in UTHealth Houston Handbook of Operating Procedures (HOOP) Policy 186, Student Conduct and Discipline found online at 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

If a student disputes the grade received on a course examination, it is the student's responsibility to arrange an appointment to discuss the grievance with the appropriate faculty member. The faculty member retains the primary responsibility for student evaluation and assignment of grades. A faculty member's judgment in such cases is final unless there is substantial evidence of discrimination, differential treatment, or error. 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 grievance in writing to the Associate Dean for Student and Academic Affairs within seven working days. The Associate Dean for Student and Academic Affairs will review the case and submit a written recommendation to the Dean within fourteen working days. The Dean will respond in writing to the student's grievance within five working days. In academic issues the determination of the Dean is final and not subject to further appeal.

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 UTHealth Houston Handbook of Operating Procedures (HOOP) see HOOP 59 Sexual Misconduct, www.uth.edu/hoop/policy.htm?id=1447966 and HOOP 183, Nondiscrimination, Anti-Harassment and Equal Opportunity, 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.

STUDENT ORGANIZATIONS

Student Organizations

Several organizations exist independently of UTSD to provide students the opportunity to become familiar with the activities of professional societies. For information on all UTSD, registered student organizations please visit the UTHealth Houston Student Organization website at 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 Houston student organizations such as the Student InterCouncil, or other registered student groups.

INSTRUCTIONAL PROGRAMS

UTSD sponsors 10 accredited academic programs:

Doctor of Dental Surgery (DDS)

Certificate and/or Master of Science in Dentistry (MSD)
Postgraduate/Graduate Specialty Care
- Endodontics
- Oral & Maxillofacial Surgery
- Oral Pathology
- Orthodontics
- Pediatric Dentistry
- Periodontics
- Prosthodontics

Graduate Primary Care
Advanced Education in General Dentistry (AEGD)
General Practice Residency (GPR)

Dental Hygiene Program
Certificate
Bachelor
Master

Formal Dual-degree Programs
Doctor of Dental Surgery/Master of Public Health
Dental Hygiene/Master of Public Health
Oral & Maxillofacial Surgery/Doctor of Medicine
Oral & Maxillofacial Surgery/Doctor of Philosophy Degree

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

For more information regarding admissions and registration please go to the UTHealth Houston Office of Registrar's website at www.uth.edu/registrar/applicants/admissions.htm

Tuition

For the most current list of the Tuition and Fee Schedule for all UTSD programs go to Registrar's website at www.uth.edu/registrar/current-students/registration/tuition-fee-schedule.htm

FEES (APPLY TO ALL UTHEALTH HOUSTON STUDENTS)

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.

Health Insurance: 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 $120/year (DDS), $40/semester (DH and Advanced Education Programs)

Installment Use Fee: $20 per term

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

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

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

Reinstatement Fee: This fee of $200 is assessed to students who have not paid 50% of current term's tuition and fees by midnight on the 12th day of class. Unpaid students will be dropped from access to their class schedules and the Learning Management System (Canvas).

Student Services Fee: The Student Services Fee, required of all students, is $591.75 per year. The fee provides student health services, counseling services, shuttle services, student governances and recreation facilities.

Student Record Fee: $15 per year (DDS), $5/semester (DH and Advanced Education Programs)

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.

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 www.uth.edu/sfs/

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

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 UTHealth Houston General Information Catalog or online under Auxiliary Enterprises Student Insurance at:
www.uth.edu/auxiliary-enterprises/insurance/index.htm

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 as required will be subject to withdrawal of the offer of admission to School programs.

Dental and Dental Hygiene Licensure Eligibility

According to State law and the Texas Board of Dental Examiners, a person applying for initial licensure to practice Dentistry and 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.

DOCTOR OF DENTAL SURGERY DEGREE (D.D.S.)

The Doctor of Dental Surgery degree program offers a course of instruction that 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, www.uth.edu/hoop/policy.htm?id=1448050.

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 time frames. 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.

EDUCATIONAL REQUIREMENTS FOR DOCTOR OF DENTAL SURGERY (D.D.S.)

- 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 **onl**y 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 (www.ada.org/en/education-careers/dental-admission-test) 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.

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: 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: 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-studentaffairs@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: 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 be 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 UTHealth 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 2022-2023, the annual resident tuition is $34,527; non-resident tuition is $54,534. 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 UTHealth Houston or UT System Board of Regents. Changes become effective when enacted.

DDS Program Incidental Fees

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

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

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

Library Resource Fee: $175 annually

Simulation Fee: $350 annually for DDS Program.

Digital Dentistry Fee: $425 annually (second, third and fourth year DDS classes)

Technology Resource Fee: A fee of $2,000 annually

Instrument Rental and Sterilization Fee for DDS Program: It is mandatory that all undergraduate students participate in the dental instrument rental program. Instrument Rental and Sterilization fee for the 2022-23 academic year is:

First Year Student	$1,735
Second Year Student	$1,735
Third Year Student	$2,750
Fourth Year Student	$2,750

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: dentistry.uth.edu/students/docs/official_textbook_list.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 retailer, 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 (Purchased)	Books (Purchased)
First Year	$7191	$1345
Second Year	$4897	$1614
Third Year	$100	$369
Fourth Year	$555	$0

The above includes the estimated cost for the 2022-2023 academic year.

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 Scholarship Committee.

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. Failure to maintain a passing status can result in remediation of the course, a repetition of an academic year, or action up to and including dismissal.

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 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 cal-

endar 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 results of the Appeal Committee may be shared with the Chair of the Department involved.

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. If the decision is to repeat the year then the student must arrange for enrollment, financial payments, registration, and the removal of any holds on their records

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, of all courses and clinical procedures.
- 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 UTHealth Houston of the required level of achievement by every student.

FIRST YEAR

DENF 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** 5.0 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** 2.0 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.

DENF 1601 **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.

DENS 1624 **Practice Management I** .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 operatory. 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 preclinical 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.

DENS 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 I** 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** 1.0 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: Intro Periodontology** 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.

DENU 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 preclinical 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 dentaforms on the laboratory bench to the clinical setting on a patient. Students perform the operative dentistry procedures on dentaforms 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 res-

torations 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.

DENS 2624 **Practice Management II** 0.5 cr

This course continues the assignments/projects pertaining to the business vocabulary and concepts of dentistry, as well as individually tailored our-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.

DEPU 2625 **Digital Dentistry** 1.0 cr

The purpose of this course is to build upon fundamental prosthodontic restorative, indirect restorative, dental anatomy, and occlusion concepts and apply them to the concept of "digital" or CAD/CAM dentistry.

Upon completion of this course, students will be able to understand subtractive technology, digitally scan tooth preparations, complete digital model fabrication, digitally design indirect restorations, and mill and finish their digitally designed restorations in a simulation lab environment. This knowledge will begin the student's preparation to enter third- and fourth-year clinics and enable them to function as "digital dentists."

DENF 2703 **Oral and 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.

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 patient's treatment needs. Pathology, pathophysiology, medical pharmacology, and dental management are emphasized. A practical application component will be provided.

DENU 2811 **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 for 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 training of nitrous oxide inhalation sedation.

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** 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 29151 **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 differ-

ences 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..

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 preclinical 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 preclinical 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.

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 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 3016 **Clinical Simulation I** 1.0

This course is providing 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.

DENS3622 **Practice Management III** 1.0 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 **Practice Management 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.

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 pupal 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 periodontial 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 resented 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 prosthodonitcs 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 pharmacotheuraptics 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.

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 **Integrated Board 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 preclinical 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 preclinical 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	DENF 1504	3.5
Biomedical Science Core	DENF 1510	5.0
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	2.0
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
Practice Management I	DENS 1624	0.5
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: Intro to Periodontology	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
Practice Management II	DENS 2624	1.0
Digital Dentistry	DEPU 2625	1.0
Oral and Maxillofacial Radiology II	DENF 2703	1.0
Pathobiology	DENF 2705	6.0
Oral Diseases	DENS 2706	4.0
Endodontics I: Simulation	DEPS 2712	2.0
Periodontics II: Nonsurgical Perio Therapy	DENF 2722	1.0
Preclinical Oral and Maxillofacial Surgery	DENS 2801	1.0
Essentials of Medicine I	DENS 2804	3.0
Dental Anesthesiology	DENU 2811	1.0
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

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
Practice Management III	DENF 3622	1.0
Practice Management IV	DENS 3623	0.5
Biomaterials II	DENF 3672	1.0
Advanced Restorative & Esthetics	DEPF 3673	2.0
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
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
Integrated Board 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
Oral Surgery	CLIN 3007	2.0
Orthodontics	CLIN 3011	0.5
Urgent Care	CLIN 3013	1.0
Clinical Simulation I	CLIN 3016	1.0
Diagnosis and Treatment Planning Clinic	CLIN 3017	3.0

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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

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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 dentistry.uth.edu/students/docs/student-guide-academic-studies.pdf

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 and Oral Pathology. 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.

APPLICATION PROCEDURE

All programs require application through the Postdoctoral Application Support Service (PASS). Applications for PASS are obtained from 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 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: 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

EXPENSES

Tuition - Fall and Spring Semesters

Beginning 2022-2023, resident tuition is $192 per semester credit hour. Non-resident tuition will be $802 per semester credit hour. 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. 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

www.uth.edu/registrar/current-students/registration/tuition-fee-schedule.htm

FEES (see Incidental Fees above for fees that pertain to all UTHealth Houston students)

Application Fee: $60 to be enclosed with application.

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

Library Resource Fee: $175 annually.

Technology Resource Fee: A $2,000 annually ($666.67 per semester)

Professional Liability Insurance Fee: All advanced education students must participate in the institution's liability insurance coverage program. Fees for 2022-2023 is $675/year for the programs of Endodontics, Orthodontics and Prosthodontics. Fees for AEDG, GPR, Pedo and Perio is $935.

Health Insurance: Per semester Fall $1,107, Spring $$1,643, Summer $563. Health insurance is required of all UTHealth Houston 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.

Instrument Rental and Sterilization Fee: A fee of $2,750 annually for programs Endodontics, Oral and Maxillofacial Surgery, Periodontics and Prosthodontics.

Advanced Education Program Fee: $500 per semester ($1500/year) for (Endodontics, General Dentistry, General Practice, Pediatric, Periodontics, Oral Pathology and Prosthodontics)

Evacuation/Repatriation Insurance: Fall $32, Spring $48, Summer $16

ADVANCED EDUCATION SCHOLARSHIPS

There are several scholarships available to the advanced education students at the School of Dentistry. The Heyl G. Tebo Endowed Scholarship is awarded annually. The recipient(s) are selected by the Advanced Education Committee. Recommendations of the committee are then forwarded to the Dean. To be eligible for consideration, the applicant must have completed the first year of his/her advanced education program. Selection criteria include academic excellence, clinical excellence, professionalism, and financial need. Preference is given to native-born Texans. Applications are available from the Program Director and the Office of Advanced Education/Student & Academic Affairs. Department Specific scholarships are also available. Please see Program Director for criteria.

ACADEMIC STANDARDS

Grading System

The conversion of numerical grades to letter grades is as follows: A=100-94, B=93-85, C=84-76, D=75-70, F=69 and below. Letter grades 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 minimum grade of "C" must be attained in all courses. Students not meeting this standard will be required to retake the course at its next offered time.

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.

Appeal Process

Students (except those participating in the Oral and Maxillofacial Surgery Residency Program) may appeal any academic action to the Associate Dean for Student & Academic Affairs, in writing, within three calendar days after receipt of their letter stating specific academic actions. The letter should present the basis upon which the appeal is being requested. If the Associate Dean for Student & Academic Affairs grants the appeal, the following process will apply. If the appeal is approved the student must provide the Associate Dean for Student and Academic Affairs a "complete" appeal, which includes 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 & Academic Affairs will refer the appeal to an ad hoc appeals 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 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 seven calendar days of the final committee meeting. The student will be notified of the Dean's decision within ten calendar days following receipt of the committee's recommendations. The Dean's decision is final.

The student, upon written request to appeal and subsequent 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 following receipt of the final decision of the Dean. If the decision is to repeat the year, then the student must arrange for enrollment, financial payments, registration, and the removal of any holds on their records. The student will be responsible for payment of tuition and fees for the year they are required to repeat. If a decision of remediation is rendered the student will then work with the appropriate course director(s) to complete the remediation.

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.

NOTE: In addition to basic and clinical science courses and seminars required by the Advanced Education Program, all advanced education students are required to be trained in human subjects and research ethics offered during orientation.

Summer Sessions	Descriptive Title
DBPG 1001	Conscious Sedation I
DBPG 1101	Anatomy - Head and Neck
DBPG 1304	Oral Biomaterials - Endodontics
DBPG 1804	Pulp Biology
DBPG 1911A	Research (by department section)
DBPG 1911B	Research (by department section)
DBPG 1911C	Research (by department section)
DBPG 1912A	Thesis (by department section)
DBPG 1920	Applied Sciences II
DBPG 2002A	Endodontic Clinic II
DBPG 2003A	Endodontic Clinic III
DBPG 2004A	Preclinical Graduate Endodontics
DBPG 4001A	OMS Seminar
DBPG 4003A	OMS Clinical-Pathologic Conference (CPC)
DBPG 5001A	Orthodontic Clinic I
DBPG 5002A	Orthodontic Clinic II
DBPG 5003	Orthodontic Clinic III
DBPG 5010	Topics in Orthodontics I
DBPG 5013	Topics in Orthodontics IV
DBPG 5352	Biostatistics for Dental Professionals
DBPG 6001A	Topics in Pediatric Dentistry I
DBPG 6001D	Topics in Pediatric Dentistry II
DBPG 6005A	Pediatric Clinic I
DBPG 6006A	Pediatric Clinic II
DBPG 6007C	Current & Classical Literature Review in Pediatric Dentistry II
DBPG 7001A	Periodontal Clinic I
DBPG 7002A	Periodontal Clinic II
DBPG 7003A	Periodontal Clinic III
DBPG 8002A	Prosthodontic Clinic II
DBPG 8005A	Prosthodontic Clinic III
DBPG 8010	Graduate Prosthodontics I
DBPG 9001	Pathology: Microscopy and Clinics IA
DBPG 9004	Pathology: Microscopy and Clinics IIA
DBPG 9010	Topics in Oral Pathology IIA
DBPG 9017	Anatomic Pathology Rotation B

Fall Semester

DBPG 1002	Conscious Sedation II
DBPG 1007	Practice Management
DBPG 1009	Interdisciplinary Research Seminar I
DBPG 1011	Interdisciplinary Research Seminar III
DBPG 1081	Oral Biomaterials I
DBPG 1106	Cell/Developmental Biology
DBPG 1110	Oral Biology: Development, Structure and Function of Oral Tissues
DBPG 1115	Advanced Basic Sciences I
DBPG 1305	Oral Biomaterials - Orthodontic Biomechanics and Materials
DBPG 1612	Graduate Oral Pathology
DBPG 1911A	Research (by department section)
DBPG 1911B	Research (by department section)
DBPG 1911D	Research (by department section)
DBPG 2001A	Endodontic Clinic I
DBPG 2002B	Endodontic Clinic II
DBPG 2006A	Topical Seminar in Endodontics
DBPG 2006C	Topical Seminar in Endodontics
DBPG 2007	Endodontic Practice Management
DBPG 2008A	Current Literature Seminar
DBPG 2008C	Current Literature Seminar
DBPG 4001B	Oral and Maxillofacial Surgery Seminar
DBPG 4002A	Orthognathic Seminar
DBPG 4002C	Orthognathic Seminar
DBPG 4003B	OMS Clinical-Pathologic Conference
DBPG 5001B	Orthodontic Clinic I
DBPG 5002B	Orthodontic Clinic II
DBPG 5005A	Current and Classical Literature in Orthodontics I
DBPG 5005C	Current and Classical Literature in Orthodontics III
DBPG 5011	Topics in Orthodontics II
DBPG 5014	Topics in Orthodontics V
DBPG 5017	Craniofacial Growth & Development II
DBPG 6001B	Topics in Pediatric Dentistry I
DBPG 6001E	Topics in Pediatric Dentistry II
DBPG 6005B	Pediatric Clinic I
DBPG 6006B	Pediatric Clinic II
DBPG 6007A	Current & Classical Literature Review in Pediatric Dentistry I
DBPG 6007D	Current & Classical Literature Review in Pediatric Dentistry II
DBPG 6017	Pediatric Seminar in Craniofacial Development II
DBPG 7001B	Periodontal Clinic I
DBPG 7002B	Periodontal Clinic II
DBPG 7003B	Periodontal Clinic III
DBPG 7009A	Topics in Periodontics
DBPG 7009C	Topics in Periodontics
DBPG 7009E	Topics in Periodontics
DBPG 8001A	Prosthodontic Clinic I
DBPG 8002B	Prosthodontic Clinic II
DBPG 8005B	Prosthodontics Clinic III

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DBPG 9002	Pathology: Microscopy and Clinics IB
DBPG 9005	Pathology: Microscopy and Clinics IIB
DBPG 9006	Pathology: Microscopy and Clinics IIIA
DBPG 9008	Topics in Oral Pathology IA
DBPG 9011	Topics in Oral Pathology IIB
DBPG 9012	Topics in Oral Pathology IIIA
DBPG 9014	Oral Pathology Research A

Spring Semester

DBPG 1008	Graduate Oral Radiology
DBPG 1010	Interdisciplinary Research Seminar II
DBPG 1012	Interdisciplinary Research Seminar IV
DBPG 1091	Oral Biomaterials II
DBPG 1116	Advanced Basic Sciences II
DBPG 1911A	Research (by department section)
DBPG 1911B	Research (by department section)
DBPG 1911E	Research (by department section)
DBPG 1912A	Thesis (by department section)
DBPG 2001B	Endodontic Clinic I
DBPG 2002C	Endodontic Clinic II
DBPG 2003D	Endodontic Clinic III
DBPG 2005	Endodontic Surgery
DBPG 2006B	Topical Seminar in Endodontics
DBPG 2006D	Topical Seminar in Endodontics
DBPG 2006F	Topical Seminar in Endodontics
DBPG 2008B	Current Literature Seminar
DBPG 2008D	Current Literature Seminar
DBPG 2008F	Current Literature Seminar
DBPG 4001C	Oral & Maxillo Surgery Seminar
DBPG 4002B	Orthognathic Seminar
DBPG 4002D	Orthognathic Seminar
DBPG 4003C	OMS Clinical-Path Conference
DBPG 5001C	Orthodontic Clinic I
DBPG 5002C	Orthodontic Clinic II
DBPG 5005B	Current and Classical Literature in Orthodontics II
DBPG 5005D	Current and Classical Literature in Orthodontics IV
DBPG 5012	Topics in Orthodontics III
DBPG 5015	Topics in Orthodontics VI
DBPG 5016	Craniofacial Growth & Development I
DBPG 5020	Orthodontic Practice Management (odd years)
DBPG 6001C	Topics in Pediatric Dentistry I
DBPG 6001F	Topics in Pediatric Dentistry II
DBPG 6005C	Pediatric Clinic I
DBPG 6006C	Pediatric Clinic II
DBPG 6007B	Current & Classical Literature Review in Pediatric Dentistry I
DBPG 6007E	Current & Classical Literature Review in Pediatric Dentistry II

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DBPG 6016	Pediatric Seminar in Craniofacial Development I
DBPG 7001C	Periodontal Clinic I
DBPG 7002C	Periodontal Clinic II
DBPG 7003C	Periodontal Clinic III
DBPG 7008	Dental Implant Lecture Series
DBPG 7009B	Topics in Periodontics
DBPG 7009D	Topics in Periodontics
DBPG 8001B	Prosthodontic Clinic I
DBPG 8002C	Prosthodontic Clinic II
DBPG 8005C	Prosthodontic Clinic III
DBPG 8006A	Periodontic/Prosthodontic Conference I
DBPG 8006B	Periodontic/Prosthodontic Conference II
DBPG 8006C	Periodontic/Prosthodontic Conference III
DBPG 9003	Pathology: Microscopy and Clinics IC
DBPG 9007	Pathology: Microscopy and Clinics IIIB
DBPG 9009	Topics in Oral Pathology IB
DBPG 9013	Topics in Oral Pathology IIIB
DBPG 9015	Oral Pathology Research B
DBPG 9016	Anatomic Pathology Rotation A

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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 UTHealth Houston of the required level of achievement by every student

BASIC SCIENCES CORE CURRICULUM

DBPG 1115 **Advanced Basic Sciences I** Myers 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** Ogbureke 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

DBGP 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** Kasper 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** Kasper 1 SH Fall

Students will be provided with a basic understanding of the developmental anatomy, light and ultrastructual 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** Jaramillo 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** Jacob 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** Silva1 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 (by dept. sections) 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 (by dept. sections) 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** Melchor 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** Ayilavarapu 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** Kim1 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** Kasper 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** Kasper 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** Kasper 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** Kasper 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** Kirkpatrick 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** Kirkpatrick 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** Kirkpatrick 1 SH Fall

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** Kirkpatrick 1 SH Spring

A continuation of topical seminar presented in DBPG 2006A

DBPG 2006C **Topical Seminar in Endodontics** Kirkpatrick 1 SH Fall

A continuation of topical seminar presented in DBPG 2006B

DBPG 2006D **Topical Seminar in Endodontics** Kirkpatrick 1 SH Spring

A continuation of topical seminar presented in DBPG 2006C

DBPG 2007 **Endodontic Practice Management** Kirkpatrick 1 SH Fall

The course in Practice Management serves as a fundamental source of information that will enable Endodontic residents to successfully enter practice upon graduation. All areas related to a fully functioning dental practice and business management will be cover. In addition, staff management, professional ethics and legal responsibilities will be presented. The success of the course depends on dynamic discussion with participants. This will ensure that areas of prime interest are explored thoroughly.

DBPG 2008A **Current Literature Seminar** Kirkpatrick 1 SH 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** Kirkpatrick 1 SH Spring

A continuation of current literature seminar presented in DBPG 2008A

DBPG 2008C **Current Literature Seminar** Kirkpatrick 1 SH Fall

A continuation of current literature seminar presented in DBPG 2008B

DBPG 2008D **Current Literature Seminar** Kirkpatrick 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-prosthetioc 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 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

ORAL PATHOLOGY

DBPG 9001 **Pathology: Microscopy and Clinics IA** Vigneswaran 3 SH Summer
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9002 **Pathology: Microscopy and Clinics IB** Vigneswaran 3 SH Fall
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9003 **Pathology: Microscopy and Clinics IC** Vigneswaran 3 SH Spring
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9004 **Pathology: Microscopy and Clinics IIA** Vigneswaran 3 SH Spring
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9005 **Pathology: Microscopy and Clinics IIB** Vigneswaran 6 SH Fall
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9006 **Pathology: Microscopy and Clinics IIIA** Vigneswaran 6 SH Fall
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9007 **Pathology: Microscopy and Clinics IIIB** Vigneswaran 7 SH Spring
In this course, students will be responsible for studying daily slide cases, reviewing special cases, and treating clinic patients. Students will learn to build diagnostic skills, understand clinico-pathologic correlation, and understand how to diagnose and properly manage clinical oral pathology patients.

DBPG 9008 **Topics in Oral Pathology IA** Vigneswaran 1 SH Fall
This course reviews current and classical literature in the field of Oral and Maxillofacial Pathology. Reading assignments and/or topics are selected by each resident at the approval of the Course Director. Residents will discuss the reading assignments/topics with the Course Director and relevant faculty once per month.

DBPG 9009 **Topics in Oral Pathology IB** Vigneswaran 1 SH Spring

This course reviews current and classical literature in the field of Oral and Maxillofacial Pathology. Reading assignments and/or topics are selected by each resident at the approval of the Course Director. Residents will discuss the reading assignments/topics with the Course Director and relevant faculty once per month.

DBPG 9010 **Topics in Oral Pathology IIA** Vigneswaran 1 SH Summer

This course reviews current and classical literature in the field of Oral and Maxillofacial Pathology. Reading assignments and/or topics are selected by each resident at the approval of the Course Director. Residents will discuss the reading assignments/topics with the Course Director and relevant faculty once per month.

DBPG 9011 **Topics in Oral Pathology IIB** Vigneswaran 1 SH Fall

This course reviews current and classical literature in the field of Oral and Maxillofacial Pathology. Reading assignments and/or topics are selected by each resident at the approval of the Course Director. Residents will discuss the reading assignments/topics with the Course Director and relevant faculty once per month.

DBPG 9012 **Topics in Oral Pathology IIIA** Vigneswaran 1 SH Fall

This course reviews current and classical literature in the field of Oral and Maxillofacial Pathology. Reading assignments and/or topics are selected by each resident at the approval of the Course Director. Residents will discuss the reading assignments/topics with the Course Director and relevant faculty once per month.

DBPG 9013 **Topics in Oral Pathology IIIB** Vigneswaran 1 SH Spring

This course reviews current and classical literature in the field of Oral and Maxillofacial Pathology. Reading assignments and/or topics are selected by each resident at the approval of the Course Director. Residents will discuss the reading assignments/topics with the Course Director and relevant faculty once per month.

DBPG 9014 **Oral Pathology Research A** Vigneswaran 1 SH Fall

In this course, residents will have allocated time to start or continue a research project. Residents may utilize research facilities including the Office of Research which provides support, liaison, and guidance for research efforts. If necessary, residents may collaborate with or utilize the Center for Clinical and Translational Research. A Statistician and Clinical Research Coordinator will also be available.

DBPG 9015 **Oral Pathology Research B** Vigneswaran 1 SH Spring

In this course, residents will have allocated time to start or continue a research project. Residents may utilize research facilities including the Office of Research which provides support, liaison, and guidance for research efforts. If necessary, residents may collaborate with or utilize the Center for Clinical and Translational Research. A Statistician and Clinical Research Coordinator will also be available.

DBPG 9016 **Anatomic Pathology Rotation A.** Vigneswaran 9 SH Spring

In this course, residents will attend rotation at McGovern Medical School at UTHealth Houston and The University of Texas MD Anderson Cancer Center; both are part of The University of Texas System. Residents will rotate on a four to eight week schedule.

DBPG 9017 **Anatomic Pathology Rotation B** Vigneswaran 6 SH Summer

In this course, residents will attend rotation at McGovern Medical School at UTHealth Houston and The University of Texas MD Anderson Cancer Center; both are part of The University of Texas System. Residents will rotate on a four to eight week schedule.

ORTHODONTICS

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 orthodontic 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 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 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 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 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 5005C) is a prerequisite for this course.

DBPG 5010 **Topics in Orthodontics I** English, Faculty 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, Faculty 4 SH Fall

See DBPG 5010 for course description.

DBPG 5012 **Topics in Orthodontics III** English, Faculty 4 SH Spring

See DBPG 5011 for course description.

DBPG 5013 **Topics in Orthodontics IV** English, Faculty 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, Faculty 4 SH Fall

See DBPG 5013 for course description.

DBPG 5015 **Topics in Orthodontics VI** English, Faculty 4 SH Spring

See DBPG 5013 for course description

DBPG 5016 **Craniofacial Growth and Development I** Kasper 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 1 SH 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** Cardenas, Faculty 2 SH 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** Chiquet, Faculty 2 SH Fall

A continuation of advanced topics presented in DBPG 6001A.

DBPG 6001C **Topics in Pediatric Dentistry I** Chiquet, Faculty 2 SH Spring

A continuation of advanced topics presented in DBPG 6001B.

DBPG 6001D **Topics in Pediatric Dentistry II** Chiquet, Faculty 2 SH 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** Chiquet, Faculty 2 SH Fall

A continuation of advanced topics presented in DBPG 6001.

DBPG 6001F **Topics in Pediatric Dentistry II** Chiquet, Faculty 2 SH Spring

A continuation of advanced topics presented in DBPG 6001.

DBPG 6007A C **Current & Classical Literature Review in Pediatric Dentistry I** Acharya 1 SH 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** Acharya 1 SH 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** Acharya 1 SH 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** Acharya 1 SH 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** Acharya 1 SH 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 6017 **Pediatric Seminar in Craniofacial Development II** Chiquet 2 SH 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** Eswaran 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** Ayilavarapu & 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** Ayilavarapu & Faculty 2 SH Spring

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

DBPG 7009C **Topics in Periodontics** Ayilavarapu & Faculty 2 SH Fall

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

DBPG 7009D **Topics in Periodontics** Ayilavarapu & Faculty 2 SH Spring

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

DBPG 7009E **Topics in Periodontics** Ayilavarapu & Faculty 2 SH Fall

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

PROSTHODONTICS

DBPG 8006A **Periodontics/Prosthodontic/Endodontics Conference I** Belles, Ayilavarapu and Kirkpatrick 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, Ayilavarapu and Kirkpatrick 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 Ayilavarapu 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 2 SH 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.

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 CURRICULUM

Course No.	Descriptive Title	Semester Hrs.
Summer Session		
DBPG 1101	Anatomy-Head and Neck (Course Fee: $500)	3
DBPG 1304	Oral Biomaterials-Endodontics	1
DBPG 1804	Pulp Biology	1
DBPG 1001	Conscious Sedation I	1
DBPG 2004A	Endodontic Pre-Clinical Technique	1
DBPG 5352	Biostatistics for Dental Professionals	3
Fall Semester:		
DBPG 1106	Cell/Development Biology	1
DBPG 1110	Oral Biology: Development, Structure Function of Oral Tissues	1
DBPG 1115	Advanced Basic Sciences I	3
DBPG 1002	Conscious Sedation II	1
DBPG 2001A	Endodontic Clinic	4
DBPG 2006A	Topical Seminar in Endodontics	1
DBPG 2008A	Current Literature Seminar	1
Spring Semester:		
DBPG 1116	Applied Basic Sciences II	4
DBPG 2001B	Endodontic Clinic I	4
DBPG 2005	Endodontic Surgery	1
DBPG 2006B	Topical Seminar in Endodontics	1
DBPG 2008B	Current Literature Seminar	1
TOTALS		**33**

SECOND YEAR CURRICULUM

Course No.	Descriptive Title	Semester Hrs.
Summer Session:		
DBPG 1920	Applied Sciences II	2
DBPG 2002A	Endodontic Clinic II	4
Fall Semester:		
DBPG 1612	Graduate Oral Pathology	2
DBPG 2002B	Endodontic Clinic II	5
DBPG 2006C	Topical Seminar in Endodontics	1
DBPG 2008C	Current Literature Seminar	1
DBPG 1911A	Research	2
DBPG 2007	Endodontic Practice Management	1

Spring Semester:

DBPG 2002C	Endodontic Clinic II	7
DBPG 2006D	Topical Seminar in Endodontics	1
DBPG 2008D	Current Literature Seminar	1
DBPG 1911B	Research	2
TOTALS		**29**

THIRD YEAR CURRICULUM

Course No.	Descriptive Title	Semester Hrs.
Summer Session:		
DBPG 2003A	Endodontic Clinic III	4
*DBPG 1912A	Thesis	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.

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

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 Curriculum

Course No.	Descriptive Title	Semester Hrs.
Summer:		
DBPG 1001	Conscious Sedation I 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	1
Fall:		
DBPG 1081	Oral Biomaterials I Weekly 4-hour seminars in Diagnosis & Trt Plng. Current Literature Seminars Implant hands-on courses (3-4 different system, surgical and prosthetic) 12 weekly seminars in Implantology 10 bi-weekly Perio-Restorative Seminar Weekly lunch and learn or morning courses Preparation/Presentation of Table Clinic at GHDS General Dentistry Clinic	1

Spring:		
DBPG1091	Oral Biomaterials II	1
	Weekly 4-hour seminars in Diagnosis & Trt. Plng.	
	Current Literature Seminars	
	Implant hands-on courses (3-4 systems surgical and prosthetic)	
	5 bi-weekly Piero-Restorative Seminar	
	Weekly lunch and learn or morning courses	
	Presentation of Table Clinic at GHDS	
	General Dentistry Clinic	
TOTAL		**3**

Rotations: The Houston Dept. of Health and Human Services, Bureau of Oral Health, Pediatric and Geriatric Clinic.

Clinic 80-90%

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:

Summer		
DBPG 1920	Applied Sciences II	2
	Weekly 4hr seminar in Diagnosis & Treatment Planning	
Fall:		
DBPG1007	Practice Management	1
	Weekly 4 hr seminars in Diagnosis & Treatment Planning	
	Current Literature Seminars	
	Implant hands-on courses (3-4 systems surgical and prosthetic)	
	10 bi-weekly Perio-Restorative Seminar	
	Weekly lunch and learn or morning courses	
	General Dentistry Clinic	
Spring:		
DBPGA 8006A	Perio/Pros Tx Planning Conference	1
	Weekly 4 hr seminars in Diagnosis & Treatment Planning	
	Current Literature Seminars	
	Implant hands-on courses (3-4 systems surgical and prosthetic)	
	5 bi-weekly Perio-Restorative Seminar	
	Weekly lunch and learn or morning courses	
	Preparation of Table Clinic at GHDS	
	General Dentistry Clinic	
TOTAL		**4**

Rotations: The Houston Department of Health and Human Services, Bureau of Oral Health, Pediatric and Geriatric Clinics
(Optional) UT M. D. Anderson Cancer Center, Maxillofacial Prosthetic and Dental Oncology Clinic (US top cancer center)
Teaching: School of Dentistry fourth year undergraduate dental clinic and urgent care
Clinic: 70% plus
Monthly/weekly schedules are published by the Program Director.
Written and oral progress evaluations are performed three times per year by the Program Director.

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 Curriculum

Course No.	Descriptive Title	Semester Hrs.
Summer:		
DBPG 1001	Conscious Sedation I	1
Fall:		
DBPG 1002	Conscious Sedation II 10 weekly seminars in Periodontics Selected seminars in Oral Biomaterials I Weekly to biweekly seminars in Diagnosis & Trt Plng. Monthly lunch and learn or morning courses Restorative Dentistry Clinic	1
Spring:		
DBPG 1091	Oral Biomaterials II Implant hands-on courses (3-4 different systems, surgical and prosthetic) 10 weekly seminars in Periodontics/Restorative Meetings Weekly to biweekly seminars Diagnosis & Trt.Plng. Weekly lunch and learn or morning courses General Dentistry Clinic	1
TOTAL		**3**

Rotations during year off site: Oral Surgery (OMFS)
ENT
Internal Medicine
Anesthesiology

GPR Optional Second Year:

Summer		
DBPG 1920	Applied Sciences II	2
Fall		
DBPG 1007	Practice Management	1
Spring		
DBPG 8006A	Perio/Pros Treatment Planning Conference	1
TOTAL		**4**

Rotations: OMFS, MD Anderson, Dental School

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

1. 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.

2. 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.

3. 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

Four 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

OMFS/MD Dual Degree Program with McGovern Medical School

Six-Year Program/Dual Degree Program

The six-year OMFS/MD candidate must meet the admissions requirements for McGovern Medical School at UTHealth Houston. More detailed information may be found at McGovern Medical School website

med.uth.edu/surgery/education/residency/oral-and-maxillofacial-surgery-residency

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

SCHEDULE OF DEPARTMENT CONFERENCES

1. 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.

2. 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.

3. 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.

4. 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

Oral and Maxillofacial Pathology 3 Year Program

The Advanced Education Program in Oral & Maxillofacial Pathology is an academically intense 3 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. Award of the Certificate requires completion of 72 semester credit hours of formal courses.

First Year Curriculum Course No.	Descriptive Title	Semester Hrs.
Summer Session		
DBPG 9001	Pathology: Microscopy and Clinics IA	3
DBPG 5352	Biostatistics for Dental Professionals	3
Fall Semester:		
DBPG 9002	Pathology: Microscopy and Clinics IB	3
DBPG 9008	Topics in Oral Pathology IA	1
DBPG 1612	Graduate Oral Pathology	2
DBPG 1115	Advanced Basic Sciences I	3
Spring Semester:		
DBPG 9003	Pathology: Microscopy and Clinics IC	3
DBPG 9009	Topics in Oral Pathology IB	1
DBPG 1008	Graduate Oral Radiology	1
DBPG 1116	Advanced Basic Sciences II	4
	TOTAL	**24**

Second Year Curriculum		
Course No.	**Descriptive Title**	**Semester Hrs.**
Summer Session		
DBPG 9004	Pathology: Microscopy and Clinics IIA	3
DBPG 9010	Topics in Oral Pathology IIA	1
DBPG 1920	Applied Sciences II	2
Fall Semester:		
DBPG 9005	Pathology: Microscopy and Clinics IIB	6
DBPG 9011	Topics in Oral Pathology IIB	1
DBPG 1106	Cell/Developmental Biology	1
DBPG 1110	Oral Biology	1
Spring Semester:		
DBPG 9016	Anatomic Pathology Rotation A	9
	TOTAL	**40**

Third Year Curriculum		
Course No.	**Descriptive Title**	**Semester Hrs.**
Summer Session		
DBPG 9017	Anatomic Pathology Rotation B	6
Fall Semester:		
DBPG 9006	Pathology: Microscopy and Clinics IIIA	6
DBPG 9012	Topics in Oral Pathology IIIA	1
DBPG 9014	Oral Pathology Research A	1
DBPG 1007	Practice Management	1
Spring Semester:		
DBPG 9007	Pathology: Microscopy and Clinics IIIB	7
DBPG 9013	Topics in Oral Pathology IIIB	1
DBPG 9015	Oral Pathology Research B	1
	TOTAL	**24**

1. Semester schedules are published by the Program Director.

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

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. Award of the Certificate requires completion of 86 semester hours and a Master of Science degree requires 88 semester hours of formal courses.

First Year Curriculum Course No.	Descriptive Title	Semester Hrs.
Summer Session		
DBPG 1101	Anatomy-Head and Neck (Course Fee $500)	3
DBPG 5352	Biostatistics for Dental Professionals	3
DBPG 5001A	Orthodontic Clinic I	3
DBPG 5010	Topics in Orthodontics	2
Fall Semester:		
DBPG 1106	Cell/Development Biology	1
DBPG 1110	Oral Biology: Development, Structure Function of Oral Tissues	1
DBPG 1305	Oral Biomaterials	2
DBPG 1009	Interdisc. Res. Seminar	1
DBPG 4002A	Orthognathic Seminar	1
DBPG 5001B	Ortho Clinic I	5
DBPG 5005A	Current/Classic Lit	1
DBPG 5011	Topics in Orthodontics II	4
Spring Semester:		
DBPG 1010	Interdisc Res Seminar II	1
DBPG 4002B	Orthognathic Seminar	1
DBPG 5001C	Orthodontic Clinic I	5
DBPG 5005B	Current/Classical Lit II	1
DBPG 5012	Topics in Orthodontics III	4
DBPG 5016	Craniofacial Growth & Dev I	2
DBPG 5020	Ortho Practice Management *(take one time in odd year)	1
TOTAL		**42**

Second Year Curriculum Course No.	Descriptive Title	Semester Hrs.
Summer Session:		
DBPG 1920	Applied Sciences II	2
DBPG 5002A	Orthodontics Clinic II	5
DBPG 5013	Topics in Orthodontics IV	2
Fall Semester:		
DBPG 1612	Graduate Oral Pathology	2
DBPG 1011	Interdiscip. Res. Seminar	1
DBPG 4002C	Orthognathic Seminar	1
DBPG 5002B	Orthodontic Clinic II	5
DBPG 5005C	Current & Classical Lit. III	1
DBPG 5014	Topics in Orthodontics V	4
DBPG 5017	Cranio-Facial Growth & Dev.	2

Spring Semester:

DBPG 1911A	Research	2
DBPG 1008	Grad Oral Radiology	1
DBPG 1012	Interdisc. Res. Seminar IV	1
DBPG 4002D	Orthognathic Seminar	1
DBPG 5002C	Orthodontic Clinic II	5
DBPG 5005D	Current/Classical Lit IV	1
DBPG 5015	Topics in Orthodontics VI	4
TOTAL		**40**

Third Year Curriculum

Course No.	Descriptive Title	Semester Hrs.

Summer Session:

DBPG 1911B	Research	2
*DBPG 1912A	Thesis	2
DBPG 5003	Orthodontic Clinic III	2
TOTAL		**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.

*MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY

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. Award of the Certificate requires completion of 51 semester credit hours and a Master of Science in Dentistry requires 53 semester credit hours for completion

First Year Curriculum

Course No.	Descriptive Title	Semester Hrs.

Summer Session

DBPG 1001	Conscious Sedation I	1
DBPG 6001A	Topics in Pediatric Dentistry	2
DBPG 6005A	Pediatric Clinic I	1
DBPG 1920	Applied Sciences II	2
DBPG 1101	Head and Neck Anatomy	3

Fall Semester:

DBPG 1115	Advanced Basic Sciences I	3
DBPG 1612	Graduate Oral Pathology	2
DBPG 1002	Conscious Sedation II	1
DBPG 6001B	Topics in Pediatric Dentistry I	2
DBPG 6005B	Pediatric Clinic I	1
DBPG 6007A	Current & Classical Literature Review in Pediatric Dentistry I	1

Spring Semester:

DBPG 1008	Grad Oral Radiology	1
DBPG 5016	Craniofacial Growth and Development I	2
DBPG 6001C	Topics in Pediatric Dentistry I	2
DBPG 6005C	Pediatric Clinic I	3
DBPG 6007B	Current & Classical Literature Review in Pediatric Dentistry I	1
TOTAL		**28**

Second Year Curriculum

Course No.	Descriptive Title	Semester Hrs.
Summer Session:		
DBPG 6001D	Topics in Pediatric Dentistry II	2
DBPG 5352	Biostatics for Dental Professionals	3
DBPG 6006A	Pediatric Clinic II	1
DBPG 6007C	Current & Classical Literature Review in Pediatric Dentistry II	1
Fall Semester:		
DBPG 6017	Pediatric Seminar in Craniofacial Development II	2
DBPG 6001E	Topics in Pediatric Dentistry II	2
DBPG 6006B	Pediatric Clinic II	2
DBPG 6007D	Current & Classical Literature Review in Pediatric Dentistry II	1
DBPG 1911A	Research	2
Spring Semester:		
DBPG 6001F	Topics in Pediatric Dentistry II	2
DBPG 6006C	Pediatric Clinic II	3
DBPG 6007E	Current & Classical Literature Review in Pediatric Dentistry II	1
DBPG 1911B	Research	2
*DBPG 1912A	Thesis	2
TOTAL		**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

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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. Award of the Certificate requires completion of 77 semester credit hours and the Master of Science in Dentistry requires 79 semester credit hours for completion.

First-Year Curriculum		
Course No.	**Descriptive Title**	**Semester Hrs.**
Summer Session		
DBPG 1101	Anatomy-Head and Neck (Course Fee $500)	3
DBPG 1001	Conscious Sedation I	1
DBPG 7001A	Periodontics Clinic I	1
DBPG 5352	Biostatistics for Dental Professionals	3
	Periodontial Therapy I	
	Treatment Planning Class with Perio Faculty	
	Physical Diagnosis at VA Hospital	
	Ortho-Perio Conference	
Fall Semester:		
DBPG 1612	Graduate Oral Pathology	2
DBPG 1115	Advanced Basic Sciences I	3
DBPG 1002	Conscious Sedation II	1
DBPG 7001B	Periodontics Clinic I	3
DBPG 7009A	Topical Seminars in Periodontics	2
	Physical Diagnosis at VA-continues	
	Current Literature	
	Clinical Conference	
	Bering Clinic Rotation	
	Graduate Introduction to Implant Prosthodontics	
	Mucocutaneous Clinic	
	Advanced Implant Lecture Series	
	Dental Hygiene Supervision	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	Ortho-Perio Conference	
Spring Semester:		
DBPG 1116	Advanced Basic Sciences II	4
DBPG 7001C	Periodontics Clinic I	3
DBPG 7008	Dental Implant Lecture Series	2
DBPG 7009B	Topical Seminars in Periodontics	2
DBPG 8006A	Perio/Pros Conference	1
	Current Literature	
	Clinical Conference	
	Bering Clinic Rotation	
	Mucocutaneous Clinic	
	Dental Hygiene Supervision	
	ACLS Class in January	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	Graduate Occlusion-Dr. Ronald C. Auvenshine	
	OrthoPerio Conference	
TOTAL		**31**

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Second Year-Curriculum		
Course No.	**Descriptive Title**	**Semester Hrs.**
Summer Session:		
DBPG 1911A	Research	2
DBPG 7002A	Periodontics Clinic II	4
	Bering Clinic Rotation	
	Dental Hygiene Supervision	
	OrthoPerio Conference	
Fall Semester:		
DBPG 1106	Cell/Development Biology	1
DBPG 1110	Oral Biology: Development, Structure and Function of Oral Tissues	1
DBPG 7002B	Periodontics Clinic II	5
DBPG 7009C	Topical Seminars in Periodontics	2
	Current Literature	
	Clinical Conference	
	Bering Clinic Rotation	
	Mucocutaneous Clinic	
	Advanced Implant Lecture Series	
	Clinical Conference Oral Boards	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	Dental Hygiene Supervision	
	OrthoPerio Conference	
Spring Semester:		
DBPG1911B	Research	1
DBPG 7002C	Periodontics Clinic II	5
DBPG 7009D	Topical Seminars in Periodontics	2
DBPG 8006B	Perio/Pros Conference	1
	Current Literature	
	Clinical Conference	
	Bering Clinic Rotation	
	Dental Hygiene Supervision	
	Mucocutaneous Clinic	
	Graduate Occlusion-Dr. Ronald C. Auvenshine	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	AAP In-Service Exam	
	OrthoPerio Conference	
TOTAL		**24**

Third-Year Curriculum		
Course No.	**Descriptive Title**	**Semester Hrs.**
Summer Session:		
DBPG 1911C	Research	1
DBPG 1920	Applied Sciences II	2
DBPG 7003A	Periodontics Clinic III	3
	Bering Clinic Rotation	
	Dental Hygiene Supervision	
	OrthoPiero Conference	

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Fall Semester:

DBPG 1911D	Research	1
DBPG 1007	Practice Management	1
DBPG 7003B	Periodontics Clinic III	5
DBPG 7009E	Topical Seminars in Periodontics	2
	Current Literature	
	Clinical Conference	
	Clinical Conference Oral Boards	
	Bering Clinic Rotation	
	Mucocutaneous Clinic	
	Implant Board Meeting	
	LBJ Rotation	
	Perio/AEGD/GPR Class	
	OrthoPerio Conference	

Spring:

DBPG 1911E	Research	1
*DBPG 1912A	Thesis	2
DBPG 7003C	Periodontics Clinic III	5
DBPG 8006C	Perio/Pros Conference	1
	Current Literature	
	Clinical Conference	
	Clinical Conference Oral Boards	
	Bering Dental Clinic Rotation	
	Dental Hygiene Supervision	
	Mucocutaneous Clinic	
	Graduate Occlusion-Dr. Ronald C. Auvenshine	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	AAP In-Service Exams	
	OrthoPerio Conference	
	TOTAL	**24**

Practice Teaching

Students will engage in teaching, continuing education, and community education.

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.

*MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY

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. Award of the Certificate requires completion of 72 semester credit hours and the Master of Science in Dentistry requires completion of 74 semester credit hours.

First-Year Curriculum

Course No.	Descriptive Title	Semester Hrs.
Summer Session		
DBPG 1101	Anatomy-Head and Neck (Course Fee $500)	3
DBPG 8010	Graduate Prosthodontics I	2
DBPG 5352	Biostatistics for Dental Professionals	3

Fall Semester:

DBPG 1115	Advanced Basic Sciences I	3
DBPG 1612	Graduate Oral Pathology	2
DBPG 8001A	Graduate Prosthodontic Clinic I	4
	Classical Prosthodontic Literature Review I	
	Study Club I	
	Graduate Prosthodontic Resident Case Presentation Conference I	
	Graduate Implantology Seminar	
	Graduate Prosthodontic Treatment Planning Conference I	
	Current Prosthodontic Literature Review	

Spring Semester:

DBPG 1116	Advanced Basic Sciences II	4
DBPG 8001B	Graduate Prosthodontic Clinic I	2
DBPG 8006A	Periodontic/Prosthodontic Conference I	1
DBPG 7008	Dental Implant Lecture Series	2
	Classical Prosthodontic Literature Review I	
	Current Prosthodontic Literature Review I	
	Study Club I	
	Graduate Prosthodontic Resident Case Presentation Conference I	
	Graduate Prosthodontic Treatment Planning Conference I	
	Pre-doctoral Teaching	
	TOTAL	**26**

Second-Year Curriculum

Course No.	Descriptive Title	Semester Hrs.

Summer Session:

DBPG 1920	Graduate Applied Sciences II	2
DBPG 8002A	Prosthodontic Clinic II	3
DBPG 1001	Conscious Sedation I	1

Fall Semester:

DBPG 1002	Conscious Sedation II	1
DBPG 1106	Cell Development/Oral Biology	1
DBPG 1911A	Research	2
DBPG 1110	Oral Biology; Dev. Structure of Oral Biology	1
DBPG 8002B	Graduate Prosthodontic Clinic II	4
	Current Prosthodontic Literature Review II	
	Graduate Prosthodontic Resident Case Presentation Conference II	
	Graduate Prosthodontic Treatment Planning Conference II	
	Classical Prosthodontic Literature Review II	
	Pre-doctoral teaching	

Spring Semester:

DBPG 1911B	Research	2
DBPG 8002C	Graduate Prosthodontic Clinic II	6
DBPG 8006B	Periodontic/Prosthodontic Conference II	1
	Current Prosthodontic Literature Review II	
	Graduate Prosthodontic Resident Case Presentation Conference II	
	Graduate Prosthodontic Treatment Planning Conference II	
	TOTALS	**24**

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Third-Year Curriculum		
Course No.	**Descriptive Title**	**Semester Hrs.**
Summer Session*:		
DBPG 1911C	Research	2
DBPG 8005A	Prosthodontic Clinic III	4
Fall Semester*:		
DBPG 1911D	Research	2
DBPG 8005B	Prosthodontic Clinic III	7
	Current Prosthodontic Literature Review III	
	Classical Prosthodontic Literature Review III	
	Graduate Prosthodontic Resident Case Presentation Conference III	
	Graduate Prosthodontic Treatment Planning Conference III	
	Student Teaching	
Spring*:		
*DBPG 1912A	Thesis	2
DBPG 8005C	Prosthodontic Clinic III	6
DBPG 8006C	Periodontic/Prosthodontic Conference III	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	
	Student Teaching-clinic	
	TOTAL	**24**

Quarterly schedules are published by the program director.

Written and oral progress evaluations are made by the Program Director.

*MASTER OF SCIENCE IN DENISTRY DEGREE ONLY

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 hours 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, is required. At departmental discretion, additional assignments may be made. All requirements are expected to be completed within the program time frame.

Exceptions or extensions may only be granted through approval by the program director and the Director of Advanced Education.

CERTIFICATE: The minimum requirement is completion of basic and clinical science courses with a minimum grade point average of B (3.0) and departmental clinical conferences and seminars required by the specialty department. Actual hours required for completion of the certificate programs are defined within the specific programs. 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: www.uth.edu/cphs/for-researchers/training.htm

DENTAL HYGIENE PROGRAM

Dental hygienists have several career paths available to them. For instance, dental hygienists in a clinical role assess, diagnose, plan, implement, evaluate and document treatment for prevention, intervention and control of oral diseases, while practicing in collaboration with other health professionals in a variety of settings: private dental practices, community clinics, hospitals, university dental clinics, prison facilities, nursing homes and schools. Corporate dental hygienists are employed by companies that support the oral health industry through the sale of products and services. Dental hygienists can also work in community health programs that are typically funded by government or nonprofit organizations. These positions often offer an opportunity to provide care to those who otherwise would not have access to dental care. Dental hygienists in administrative positions apply organizational skills, communicate objectives, identify and manage resources, and evaluate and modify programs of health, education and health care. Dental Hygiene educators are currently and will continue to be in great demand. Colleges and universities throughout the U. S. employ dental hygiene instructors who use educational theory and methodology to educate competent oral health care professionals. Corporations also employ educators who provide continuing education to both students in dental hygiene programs as well as licensed dental hygienists and dentists (see ADHA.org). 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 the two-year post-degree certificate, baccalaureate degree curriculum and a Master of Science in Dental Hygiene. The dental hygiene curriculum emphasizes the basic and dental sciences including 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 hygiene student to provide preventive dental health services to the public. The new Master's program opens opportunities for dental hygienist to teach in dental hygiene programs. The program prepares graduates for positions in teaching, administration, management and oral health research.

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. The Dental Hygiene Admissions Committee considers all applicants to the program and makes recommendations to the Dean for admission of thirty students into the program each fall semester. The minimum requirement for the Bachelor of Science Degree in Dental Hygiene is 128 semester hours or for a Certificate in Dental Hygiene is 100 semester hours, 66 of which must be in the required dental hygiene coursework.

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. The minimum requirement for a non-UTSD graduate to obtain a Bachelor of Science Degree in Dental Hygiene is 128 semester hours, 30 of which must be in the required program curriculum offered at UTSD, and up to 36 semester hours transferred from an AAS Dental Hygiene Program. Graduates from UTSD will only be required to complete 12 semester hours to obtain a Bachelor of Science Degree in Dental Hygiene.

The Master of Science Dental Hygiene (MSDH) degree program is offered online to dental hygienists who have a bachelor's degree in any field and certificate or associate degree in dental hygiene from a CODA accredited dental hygiene program. The MSDH creates opportunities for dental hygienists to teach in dental hygiene programs (especially at universities or dental schools) and prepares graduates for positions in teaching, administration, management and oral health research. The American Dental Education Association reports that the need for dental hygiene educators will be increasing in the near future. The minimum requirement for the Master of Science Degree in Dental Hygiene is 33 semester hours

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Application Procedure

Applications are available on line:
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 UTHealth Houston Office of the Registrar by the stated deadline for each respective dental hygiene program for 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 UTHealth Houston Office of the Registrar as soon as the grades are available.

CRITERIA FOR ADMISSIONS

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, modem 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 & GOVT 2107; 6 hours in social/behavioral science – Courses with prefixes ECON, CRIJ, GEOG, PSYC, SOCI, SOCW	18
Total Texas Core Curriculum Semester Credit Hours	42

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

Prerequisites for Dental Hygiene Certificate Program

Course Name	Semester Hours
English Composition I	3
Fundamentals of Speech	3
General Psychology	3
Sociology	3
Human Anatomy and Physiology I	4*
Human Anatomy and Physiology II	4*
Chemistry	4*
Microbiology	4*
Nutrition	3
Computer Science (with lab)	3**
Electives* **	
Total Semester Hours	**34**

**Laboratory time required*
***Workforce courses POFI and ITSC **will not be accepted** for Computer Science.*
****Recommended electives include foreign language, research design, and statistics. No PE or remedial courses accepted.*

Dental Hygiene Certificate/Bachelor of Science Program

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

- Applications for the on-campus BSDH and Post-Degree Certificate programs will be available online starting **April 1** and ending **August 31** of the year prior to the year of entry.
- 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: 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.
- Casper Test by Altus
- Test of English as a Foreign Language (TOEFL) examination if high school attended was not in the U.S.
- Three letters of recommendation from 2 professors and 1 employer using the institutional form.
  Print and fill out your portion of the form and give it to the person writing the recommendation. The person completing the recommendation should send the completed recommendation form to the registrar. The official university form must be submitted (www.uth.edu/registrar/docs/dhyg_ref.pdf).

Applicants outside of Texas MUST reside in a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) state to be accepted into our program. To see if your state participates, or to get more information, please visit the NC-SARA website at www.nc-sara.org.

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

Students applying to the Dental Hygiene Program are required to take the Casper test as part of a holistic application process. The Casper test is an online, open-response situational judgement test. The test helps identify behavioral tendencies of applicants who will be working in a profession focused on serving people.

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
- community service activities
- evidence of public/humanitarian service
- extracurricular activities
- communication skills
- employment history
- awards/honors
- healthcare experience
- bachelor's degree or higher
- overcoming adversity

RDH to BSDH Program

RDH to BSDH applicants will be considered for admission upon satisfactory completion of the following requirements: :

- The application for this program opens online **Nov. 1** and closes on **June 1** for August entry of the same year. All prerequisites must be completed by **May 31** prior to the start of the fall semester.
- An associate's degree or certificate in dental hygiene from a program accredited by the Commission on Dental Accreditation (CODA). A grade of "C" or higher must be earned in all dental hygiene courses. Dental hygiene students currently enrolled in a program may be considered on a case-by-case basis.
- An active RDH license or ability to secure a license in the first semester of enrollment.
- GPA of **2.75** or higher in the prerequisite courses listed below. These courses must be completed at a **regionally accredited** institution prior to enrollment.
- Completion of the Texas General Education Core Curriculum. More information on the Texas General Education Core Curriculum is available at: board.thecb.state.tx.us/apps/TCC.
- One letter of recommendation from a professor using the institutional form available at www.uth.edu/registrar/docs/dhyg_ref.pdf.
- Print and fill out your portion of the form and give it to the person writing the recommendation. The person completing the recommendation should send the completed recommendation form to the UTHealth Houston Office of the Registrar. The official university form must be submitted.
- Applicants outside of Texas MUST reside in a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) state to be accepted into our program. To see if your state participates, or to get more information, please visit the NC-SARA website at www.nc-sara.org.

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Master of Science in Dental Hygiene (MSDH) Program

Applicants for the MSDH program will be considered for admission upon satisfactory completion of the following requirements:

- The application process opens November 1st and closes June 1st for entry in August of the same year. Applicants will be notified of their standing on or around July 1. Students will be offered admission for August.
- Bachelor's degree (in any field) from a regionally accredited university or college
- Certificate or associate degree in dental hygiene from a - CODA-accredited dental hygiene program. More information on CODA accreditation is available at: www.ada.org/en/coda
- GPA of 3.0 or higher in your dental hygiene coursework.
- Cumulative GPA of 3.0 or higher is recommended.
- State license to practice dental hygiene.
- One letter of recommendation from a professor or employer using the institutional form at: www.uth.edu/registrar/docs/dhyg_ref.pdf.
- Print and fill out your portion of the form and give it to the person writing the recommendation. The person completing the recommendation should send the completed recommendation form to the UTHealth Houston Office of the Registrar. The official university form must be submitted.
- Applicants outside of Texas MUST reside in a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) state to be accepted into our program. To see if your state participates, or to get more information, please visit the NC-SARA website at: www.nc-sara.org.

Readmission Policy

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

Requirements that govern the readmission of applicants to the dental hygiene programs are as follows:

- Must not have been out of dental hygiene school for more than five years at the time of acceptance.
- Readmitted students will be required to audit previously taken courses if more than three years old or if major course revisions have occurred since their enrollment and must complete all course requirements satisfactorily.
- An interview will be required prior to an offer of admission

EXPENSES

BSDH/Certificate Undergraduate Tuition (includes the RDH to BSDH Program)

Beginning 2022-2023, resident tuition is $176 per semester credit hour. Non-resident tuition will be $ 584 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.

MSDH Graduate Tuition

Beginning 2022-2023, resident tuition is $298 per semester credit hour. Non-resident tuition will be $1,114 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: www.uth.edu/registrar/current-students/registration/tuition-fee-schedule.htm

FEES (SEE INCIDENTAL FEES ABOVE FOR FEES THAT PERTAIN TO ALL UTHEALTH HOUSTON STUDENTS))

Instrument Rental & Sterilization Fee: $1,575 annually

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

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

Information Technology Access Fee: A fee of $40 per semester

Simulation Fee: $175 annually

Technology Resource Fee: A fee $545 per semester

Library Resource Fee: A fee $175 annually

Dental Hygiene Course Fees:

DHCT 2103, Oral Disease Prevention, $20 per semester

DHCT 3303, Community Dental Health, $20 per semester

DHBS 3103, Oral Disease Prevention, $20 per semester

DHBS 4303. Community Dental Health, $20 per semester

DHCT 2107, Gross Anatomy, Head & Neck, $100 per semester

DHBS 3107, Gross Anatomy, Head & Neck, $100 per semester

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: inside.uth.edu/dentistry/docs/dhbooklist.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 that 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:

Dental Hygiene Certificate/Bachelor of Science Program

	Instruments & Supplies *(Purchased)*	Books *(Purchased)*
First Year	$1365	$1562
Second Year	$675	$601

RDH to BSDH Program

	Instruments & Supplies *(Purchased)*	Books *(Purchased)*
First Year	$0	$543
Second Year	$0	$64

MSDH Program

	Instruments & Supplies *(Purchased)*	Books *(Purchased)*
First Year	$0	$811
Second Year	$0	$171

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

GRADING SYSTEM FOR CLINIC AND CLINIC RELATED CLASSES:	GRADING SYSTEM FOR NON-CLINIC RELATED CLASSES:
93 – 100 = A	90 – 100 = A
84 – 92 = B	80-89 = B
75 – 83 = C	79-70 = C
<75 = F	<70 = F

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. Student organization officers must maintain a 2.00 GPA to remain in office. An acceptable level of clinical proficiency must be demonstrated in each clinic before the student will be permitted to begin the next clinic

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.

Incomplete: A grade of "I" may be given under rare circumstances and only upon approval by the Director of Dental Hygiene and the Evaluation and Promotion Committee. A grade of incomplete while passing or incomplete yet failing. A grade of Incomplete yet failing generally results in a Final course grade of F.

Warning: Students will receive a letter of warning at mid-semester for unsatisfactory progress in didactic, laboratory or clinical courses. Students will be expected to show sufficient improvement with a passing grade 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 or cumulative GPA below 2.0 will be placed on probation if not dismissed from the program. Students who have been placed on probation must show acceptable improvement and satisfy the conditions of the letter placing them on probation within the following semester, or they may be dismissed for academic reasons. Students on probation become ineligible for financial aid, and are ineligible to hold Class or organization offices. Re-instatement is at the discretion of the dental hygiene program director.

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.

Appeal Process

If a student demonstrates the inability to process either didactically or clinically, he/she 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. Specific guidelines for academic dismissal are listed above.

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 UTHealth Houston of the required level of achievement by every student.

Dental Hygiene Certificate/Dental Hygiene Bachelor of Science Courses

FIRST YEAR

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 Oral Disease Prevention I 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

Prerequisite: DH 3303. (1 lec., 3 lab/field experiences)

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** 1credit 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 **Current Applications in Dental Hygiene** 1 credit hour (1 lec.)

This course is designed to integrate dental hygiene theory and practice with biomedical sciences in order to devel-

op critical thinking and problem-solving skills to help maximize student performance on the National Board Dental Hygiene Examination.

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 YEAR Certificate/Bachelor of Science

First Year

Course No.	Descriptive Title	Semester *Hrs*
Fall Semester		
DHCT 2101/DHBS 3101	Pre-Clinical Technique	5.0
DHCT 2103/DHBS 3103	Oral Disease Prevention I	3.0
DHCT 2105/DHBS 3105	Dental Radiology I	2.0
DHCT 2107/DHBS 3107	Head and Neck Anatomy	2.0
DHCT 2108/DHBS 3108	Oral Histology and Embryology	2.0
DHCT 2109/DHBS 3109	Dental Anatomy	3.0
Spring Semester		
DHCT 2201/DHBS 3201	Clinical Practice I	3.0
DHCT 2202/DHBS 3202	Clinical Seminar I	3.0
DHCT 2205/DHBS 3205	Dental Radiology II	1.0
DHCT 2206/DHBS 3206	General Oral Pathology	3.0
DHCT 2209/DHBS 3209	Dental Emergencies	2.0
DHCT 2210/DHBS 3210	Oral Disease Prevention II	1.0
DHCT 2211/DHBS 3211	Periodontology	3.0
Summer Term		
DHCT 2300/DHBS 3500	Clinical Seminar II	1.0
DHCT 2301/DHBS 3501	Clinical Practice II	3.0
DHCT 2306/DHBS 3506	Dental Materials	3.0
	TOTALS	**40**

Second Year

Course No.	Descriptive Title	Semester Hrs.
Fall Semester		
DHCT 3301/DHBS 4301	Clinical Practice III	4.0
DHCT 3302/DHBS 4302	Clinical Seminar III	2.0
DHCT 3303/DHBS 4303	Community Dental Health Course Fee $20	3.0
DHCT 3308/DHBS 4308	Pharmacology	2.0
DHCT 3310/DHBS 4310	Applied Nutrition	1.0
DHCT 3311/DHBS 4311	Special Needs Patients	2.0
Spring Semester		
DHCT 3401/DHBS 4401	Clinical Practice IV	4.0
DHCT 3402/DHBS 4402	Clinical Seminar IV	2.0
DHCT 3403/DHBS 4403	Community Dental Health Practice	2.0
DHCT 3406/DHBS 4406	Applied Oral Pathology	1.0
DHCT 3407/DHBS 4407	Trends and Issues in Dental Hygiene	1.0
DHCT 3408/DHBS 4408	Practice Management	2.0
	TOTALS	**26.0**

RDH to Bachelor of Science in Dental Hygiene (BSDH) Courses

FIRST YEAR

FALL SEMESTER:

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.

DHDC 4502 **Ethics and Leadership** 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.

SPRING SEMESTER

DHDC 4503 **Professional Communications** 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.

DHDC 4505 **Seminar in Education I** 3 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.

SUMMER

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

Senior students in the RDH to BSDH program are allowed to enroll in a graduate level course.

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.

SECOND YEAR

Fall Semester:

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

This course will provide students with the knowledge and skills to become competent clinical instructions. 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 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.

DHDC 4508 **Seminar in Education II** 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 RDH TO BSDH - ONLINE

FIRST YEAR

Course No.	Descriptive Title	Cr
FALL SEMESTER:		
DHDC 4501	Introduction to Health Care Teaching	3.0
DHDC 4502	Ethics and Leadership	3.0
SPRING SEMESTER:		
DHDC 4503	Professional Communications	3.0
DHDC 4505	Seminar in Education I	3.0
SUMMER TERM:		
DBPG 5352	Biostatistics for Dental Professionals	3.0
	TOTAL	**15.0**

SECOND YEAR

Course No.	Descriptive Title	Cr
FALL SEMESTER:		
DHDC 4506	Clinical Teaching	3.0
DHDC 4507	Clinical Teaching Practicum – On Campus	3.0
SPRING SEMESTER:		
DHDC 4508	Seminar in Education II	3.0
DHDC 4509	Education Practicum – On Campus	4.0
SPRING or SUMMER:		
DHDC 4510	Capstone	3.0
	TOTAL	**15**

MASTER OF SCIENCE IN DENTAL HYGIENE (MSDH) COURSE DESCRIPTIONS

FIRST YEAR

FALL SEMESTER

DHMS 6501 **Graduate Seminar in Education I** 3 credit hours (3) Fall-Online

This introduction to teaching course examines the history, education theories, and best practices for teaching. Also included are instructional strategies, methodologies the process of curriculum development, assessment of student learning and the role of accreditation in program evaluation. Students will begin working on a comprehensive teaching unit incorporating adult learning principles for use in their DHMS 6506 or 6508 courses.

DHMS 6502 **Introduction to Educational Research** 3 credit hours (3) Fall -Online

This course is designed to present a general overview of the methods and procedures of research in education. Upon completing this course, participants will be able to locate, understand, evaluate and interpret qualitative as well as quantitative education research and use these skills to identify a possible capstone project.

DHMS 6503 **Academic Leadership & Communication** 3 credit hours (3) Spring-Online

This course is designed to help the graduate student develop communication knowledge and styles through the enhancement of their leadership skills and abilities. The goal is for the graduate student to be successful in their academic career via effective oral and written communication, presentation skills, media communication, intercultural and personal communications. In addition, critical thinking, assertiveness, organization, and ability to influence others with compassion, integrity and honesty will be included to compliment the outcome of the course.

DHMS 6505 **Graduate Seminar in Education II** 3 credit hours (3) Summer –Online

This course will cover issues related to teaching and learning in the dental/allied dental academic setting. Topics will include developing/updating a teaching philosophy, constructing a personal statement, creating a curriculum vitae, the role of Boyer's model of scholarship within the professoriate and teaching E-portfolio through the integration of various educational technologies.

DHMS 6506 **Clinical Teaching** 3 credit hours (3) Spring - Online

This course will provide students with the knowledge and skills to become competent clinical instructors. Psychomotor skill 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 topics are also included. Students will be required to develop a lab/preclinical module for use in the DHMS 6507 course.

DBPG 5352 **Biostatistics for Dental Professionals** 3 credit hours (3) Summer-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 critically evaluate the scientific literature. Some of the topics covered in this course include frequen-

cy 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.

SECOND YEAR

DHMS 6507 **Clinical Teaching Practicum** 4 credit hours (4) Fall—On Campus

This course is a one semester, planned and supervised professional teaching practicum, designed to allow the graduate student to apply knowledge and skills acquired in previous clinical courses. This practicum experience will focus on clinical 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 school year of the program.

DHMS 6508 **Graduate Seminar in Education III** 3 credit hours (3) Fall--Online

This course will interface with DHMS 6509, the Education Practicum. The student will design didactic lecture presentations, create tools for assessing and evaluating student learning utilized in the DHMS 6509 course as well as design a virtual course syllabus. This course is taken the same semester as DHMS 6509.

DHMS 6509 **Education Practicum** 4 credit hours (4) Fall—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 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.

DHMS 6510 **Capstone** 4 credit hours (4) Spring/Summer—Online

This capstone course incorporates the major learning themes of the MSDH curriculum resulting in a student-generated scholarly project/essay. The graduate student will demonstrate writing, organizational and communication skills associated with the integrated knowledge at a MSDH level. The graduate student will identify an advisor for this project who has demonstrated content expertise related to the topic selected. Topic approval by the MSDH student advisor id required. Graduate students must complete a consultation with the MSDH coordinator before registration will be allowed for this course.

DHMS 6511 **Capstone Extension** 1 credit hour (1) Summer II

This course is used to allow a graduate student to have continuous enrollment while completing their Capstone Project. The number of extension credits will depend on the type of research the project is and at what stage of progress.

CURRICULUM BY YEARS

MASTER OF SCIENCE IN DENTAL HYGIENE –

FIRST YEAR

	Course No.	Descriptive Title	Semester Hrs Cr
FALL 1			
	DHMS 6501	Graduate Seminar in Education I	3.0
	DHMS 6502	Introduction to Educational Research	3.0
SPRING 1			
	DHMS 6503	Academic Leadership & Communication	3.0
	DHMS 6506	Clinical Teaching	3.0
SUMMER 1			
	DBPG 5352	Biostatistics for Dental Professionals	3.0
	DHMS 6505	Graduate Seminar in Education II	3.0
		TOTAL	**18.0**

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SECOND YEAR

FALL 2			
	DHMS 6508	Graduate Seminar in Education III	3.0
	DHMS 6507	Clinical Teaching Practicum	4.0
SPRING 2			
	DHMS 6509	Education Practicum	4.0
	DHMS 6510	Capstone	4.0
SUMMER 2			
	DHMS 6511	Capstone	1.0
		TOTAL	**16.0**

DENTAL HYGIENE GRADUATION REQUIREMENTS (BY DEGREE PROGRAM)

Dental Hygiene Certificate/Bachelor of Science Program

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 the respective UTSD Dental Hygiene Program;
- The candidate must, in the opinion of the faculty, have satisfactorily completed the prescribed curriculum of the respective UTSD Dental Hygiene Program;
- The candidate must have grade point average of C (2.0);
- The candidate must have 128 sch to obtain a Bachelor of Science Degree in Dental Hygiene or 100 sch to obtain a Certificate;
- The candidate must have discharged all of the financial obligations to UTSD and/or UTHealth Houston; and
- The candidate must have a sustained record of satisfactory professional and ethical behavior

RDH to BSDH Program

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 the respective UTSD Dental Hygiene Program;
- The candidate must have grade point average of C (2.0);
- The candidate must have 128 sch to obtain a Bachelor of Science Degree in Dental Hygiene;
- The candidate must have completed a minimum of two semesters at UTSD;
- The candidate must have discharged all of the financial obligations to UTSD and/or UTHealth Houston; and
- The candidate must have a sustained record of satisfactory professional and ethical behavior
- The candidate can enroll full or part-time but must complete the program within five years

Master of Science in Dental Hygiene (MSDH) Program

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 the respective UTSD Dental Hygiene Program;
- The candidate must have grade point average of C (2.0);
- The candidate must have discharged all of the financial obligations to UTSD and/or UTHealth Houston; and
- The candidate must have completed a minimum of two semesters at UTSD;
- The candidate must have a sustained record of satisfactory professional and ethical behavior.
- The candidate can enroll full or part-time but must complete the program within five years.

DUAL DEGREE PROGRAMS

Students seeking admissions 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 form each school.

DDS/MPH

UTSD and UTHealth Houston School of Public Health offer our dental students the opportunity to enroll in a pathway dual degree program 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

OMFS/MD

The Advanced Education Program in Oral and Maxillofacial (OMFS) six-year program consists of requirements for obtaining the MD degree while receiving a certificate in OMFS.. The program is offered jointly through UTSD and McGovern Medical School at UTHealth Houston. The first year is spent with the Oral & Maxillofacial Surgery Department. In the second, third and fourth years, residents are enrolled in McGovern 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 a MD degree.

The six-year OMFS/MD candidate must meet the admissions requirements for McGovern Medical School at UTHealth Houston. 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 on the UTSD website at: dentistry.uth.edu/students/advanced-education/programs/index.htm#students-oms

BSDH/MPH

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

To be eligible, students must be accepted by UTSD before applying separately to the UTHealth Houston 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

Joint Graduate Certificate in Dental Informatics

UTHealth Houston School of Dentistry (UTSD) and UTHealth Houston School of Biomedical Informatics (SBMI), offer a joint graduate certificate in dental informatics. The one-year program focuses on the opportunities and challenges in integrating technology in modern oral health care. It is designed to introduce students to basic and practical solutions for developing health information solutions in dentistry. The certificate involves both online and in-person courses, including a spring-semester practicum at UTSD with a total of 15 semester credit hours for completion.

Courses of Instruction/Description

BMI 5300 **Introduction to Biomedical Informatics** 3 SH Summer/SBMI
(web-based instruction)
This introductory graduate level survey course provides an overview of Biomedical Informatics and Health Information Technology and introduces the student to the major areas of the evolving discipline. The competencies for graduate education in the discipline are presented as well as the definitions of biomedical informatics. A systems framework for understanding informatics is also considered. The course focuses on the application of health information technology for healthcare delivery, education and research as well as the multidisciplinary nature of biomedical informatics. The knowledge and skills presented in this course will help the student progress to other more advanced or specialized courses throughout the curriculum since an understanding of health care, health information technology and recent governmental efforts is necessary in order to function in the biomedical informatics discipline. All students are required to take BMI 5300, Introduction to Biomedical Informatics, in their first semester.

BMI 5313 **Foundations of Electronic Health Records and Clinical Information Systems** 3 SH Fall/SBMI
(web-based instruction)
This course is designed to provide informatics students with an overview of the key concepts regarding implementation of a clinically-oriented information system (e.g., an electronic medical record, computer-based provider order entry). The course will examine how health data are collected, how they are used and the impact of electronic records on the health data. The course will review standards, standards development, languages used, usability and issues related to information processing in health care. The course will review the impact of electronic records and patient portals on health and health care including, legal, financial, and clinical design issues. Challenges encountered during training and go-live will be discussed. Students will receive hands-on experience with an electronic health record in the training environment

BMI 5315 **Quality and Outcome Improvement in Healthcare** 3 SH Fall/SBMI
(web-based instruction)
This introductory course provides an overview to health care quality from the view of information science and the discipline of informatics. It takes a patient-centered approach that covers the complexities of quality and the scientific basis for understanding the measurement and improvement of quality, including exposure to multiple measures from a variety of organizations and measure comparison sites such as Medicare Compare. It provides the learner with a framework for key theories and concepts and models of quality improvement. Students will be introduced to health information technology safety issues, including tools for operationalizing HIT safety. Learners will be introduced to data quality, the challenges of data from devices and e-quality measures, as well as experience the challenge of calculating quality measures with data from the EHR. The merging of quality outcomes with evolving reimbursement paradigms and models will be examined.

DBPG 5520 **Applications in Dental Informatics** 6 SH Spring/UTSD
(classroom instruction preferred, web-based offered on case-by-case basis)
This course provides a broad foundation in applying informatics principles to dentistry. Students will select an area of interest related to oral healthcare quality and safety which to apply the knowledge and skills gained during the didactic courses. Students will become active participants in the work of developing dental informatics-based applications and/or research projects.

CURRICULUM

Joint Graduate Certificate in Dental Informatics –

	Course No.	Descriptive Title	Semester Hrs Cr
SUMMER			
	BMI 5300	Introduction to Biomedical Informatics	3.0
FALL			
	BMI 5313	Foundations of Electronic Health Records and Clinical Information Systems	3.0
	BMI 5315	Quality and Outcome Improvement in Healthcare	3.0
SPRING			
	DBPG 5520	Applications in Dental Informatics	6.0
		TOTAL	**15.0**

For more information, contact Dr. Sudarat Kiat-amnuary Sudarat.Kiat-amnuary@uth.tmc.edu or Anigua DeClouette Aniqua.Rice@uth.tmc.edu.

THE SCHOOL OF DENTISTRY DEPARTMENT AND FACULTY

The most current listing of faculty is available at each department's website.

Diagnostic and Biomedical Sciences
dentistry.uth.edu/directory/diagnostics-and-biomedical-sciences.htm

Endodontics
dentistry.uth.edu/directory/endodontics.htm

General Practice and Dental Public Health
dentistry.uth.edu/directory/general-practice-and-dental-public-health.htm

Oral and Maxillofacial Surgery
dentistry.uth.edu/directory/oral-and-maxillofacial-surgery.htm

Orthodontics
dentistry.uth.edu/directory/orthodontics.htm

Pediatric Dentistry
dentistry.uth.edu/directory/pediatric-dentistry.htm

Periodontics and Dental Hygiene
dentistry.uth.edu/directory/periodontics-and-dental-hygiene.htm

Restorative Dentistry and Prosthodontics
dentistry.uth.edu/directory/restorative-dentistry-and-prosthodontics.htm