

# PRE-DENTAL

## General Prerequisite Coursework for Texas Dental Schools

*\*Program requirements may change without notice and vary with each school; you are still responsible for checking schools' websites for admissions information. Please see your academic advisor to further explore the requirements of the school in which you are interested.\**

### Texas A&M University College of Dentistry

#### Required courses:

ENGL 1310 (3hrs) College Writing I or TECM 1700 (3hrs) Intro to Technical Writing  
ENGL 1320 (3hrs) College Writing II or TECM 2700 (3hrs) Technical Writing  
CHEM 1410/1430 (4hrs) General Chemistry I  
CHEM 1420/1440 (4hrs) General Chemistry II  
CHEM 2370/3210 (4hrs) Organic Chemistry I  
CHEM 2380/3220 (4hrs) Organic Chemistry II  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors (4 hrs)\*\*  
Physics II for Science Majors (4 hrs)\*\*  
MATH 1680 (3hrs) Elementary Probability and Statistics

18 semester hours of Biology—(minimum) 15 hours of lecture and 3 hours of formal laboratory.

Also, the Biology hours must include:

BIOL 2301/2311 (4hrs) Human Anatomy and Physiology I  
BIOL 2302/2312 (4hrs) Human Anatomy and Physiology II  
BIOL 2041/2042 (4hrs) Microbiology

**Strongly encourages a major in the hard sciences or taking more than the minimum number of biology courses**

### University of Texas Health Science Center—Houston

#### Required courses:

ENGL 1310 (3hrs) College Writing I or TECM 1700 (3hrs) Intro to Technical Writing  
ENGL 1320 (3hrs) College Writing II or TECM 2700 (3hrs) Technical Writing  
CHEM 1410/1430 (4hrs) General Chemistry I  
CHEM 1420/1440 (4hrs) General Chemistry II  
CHEM 2370/3210 (4hrs) Organic Chemistry I  
CHEM 2380/3220 (4hrs) Organic Chemistry II  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors (4 hrs)\*\*  
Physics II for Science Majors (4 hrs)\*\*  
MATH 1680 (3hrs) Elementary Probability and Statistics

14 semester hours of Biology\*\*\*—(minimum) 12 hours of lecture and 2 hours of formal laboratory

Biology hours must include:

BIOL 2041/2042 (Microbiology)

\*BIOC 4540 & 4550 is strongly recommended to prepare for dental school curriculum

\*\*Dental Schools require Physics Courses for science majors. Please see your major advisor for information on which physics are required for your degree.

\*\*\*Anatomy & Physiology I & II is recommended to prepare for dental school curriculum (required by Texas A&M)

NOTE: Courses for non-science majors or for health career majors, such as nursing, pharmacy, allied health sciences, will NOT satisfy the required coursework. All required coursework must be applicable toward a traditional science degree.

**A 'C' or better is required in all coursework**  
**Completion of a degree is STRONGLY recommended**

### University of Texas Health Science Center—San Antonio

#### Required courses:

ENGL 1310 (3hrs) College Writing I or TECM 1700 (3hrs) Intro to Technical Writing  
ENGL 1320 (3hrs) College Writing II or TECM 2700 (3hrs) Technical Writing  
CHEM 1410/1430 (4hrs) General Chemistry I  
CHEM 1420/1440 (4hrs) General Chemistry II  
CHEM 2370/3210 (4hrs) Organic Chemistry I  
CHEM 2380/3220 (4hrs) Organic Chemistry II  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors (4 hrs)\*\*  
Physics II for Science Majors (4 hrs)\*\*  
MATH 1680 (3hrs) Elementary Probability and Statistics

14 semester hours of Biology\*\*\*—(minimum) 12 hours of lecture and 2 hours of formal laboratory

### Woody L. Hunt School of Dental Medicine at Texas Tech University Health Sciences Center El Paso

#### Required course:

ENGL 1310 (3hrs) College Writing I or TECM 1700 (3hrs) Intro to Technical Writing  
ENGL 1320 (3hrs) College Writing II or TECM 2700 (3hrs) Technical Writing  
CHEM 1410/1430 (4hrs) General Chemistry I  
CHEM 1420/1440 (4hrs) General Chemistry II  
CHEM 2370/3210 (4hrs) Organic Chemistry I  
CHEM 2380/3220 (4hrs) Organic Chemistry II  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors (4 hrs)\*\*  
Physics II for Science Majors (4 hrs)\*\*  
MATH 1680 (3hrs) Elementary Probability and Statistics

14 semester hours of Biology— (12hrs lecture/2hrs formal lab)

Biology hours must include:

BIOL 2041/2042 (Microbiology)

Other suggested biology courses: Molecular Biology, Anatomy, Physiology, Cell Biology, Histology, Immunology, Genetics, Zoology



Scan the QR code for more information on the Pre-Dental Pathway and how to be a competitive applicant for admission.

# Mapping the Pre-Dental Journey

*With the help of your pre-health advisor, use the prerequisite courses listed on the previous page to create an individual plan for your pre-dental ambitions. NOTE: This is **not** an official plan, advising record, or degree audit. Please review the proposed course timeline with your degree plan advisor to ensure you have the correct courses to graduate.*

FALL _____	Hrs.		SPRING _____	Hrs.

SUMMER I	Hrs.		SUMMER II	Hrs.

FALL _____	Hrs.		SPRING _____	Hrs.

SUMMER I	Hrs.		SUMMER II	Hrs.

FALL _____	Hrs.		SPRING _____	Hrs.

## Fall Timeline (before applying)

Attend HPAC workshop  
Attend Personal Statement workshop  
DAT Preparation

## Spring Timeline (before applying)

Attend application seminar  
HPAC Application due in January  
DAT Prep/Take Exam

**Summer:** Apply to dental schools through TMDSAS or AADSAS.

FALL _____	Hrs.		SPRING _____	Hrs.

## Fall Timeline

Dental School Interviews  
Mid-December — First day of Admission Offers

## Spring Timeline

Admission Offers Continue

## Need Advising?

To contact your pre-health advisor, please visit:

<https://cos.unt.edu/advising/contact-your-advisor/health-professions-advisors>

General Email: [Healthcareers@unt.edu](mailto:Healthcareers@unt.edu)

To schedule an appointment, please visit: <https://unt.navigate.eab.com/>

## UNT Office of Health Professions

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