

# PRE-DENTAL

## General Prerequisite Coursework

*\*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 + lab  
CHEM 1420+1440 (4hrs) General Chemistry II + lab  
CHEM 2370+3210 (4hrs) Organic Chemistry I + lab  
CHEM 2380+3220 (4hrs) Organic Chemistry II + lab  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors + lab (4 hrs)\*\*  
Physics II for Science Majors + lab (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 & Physio. I + lab  
BIOL 2302+2312 (4hrs) Human Anatomy \* Physio. II + lab  
BIOL 2041+2042 (4hrs) Microbiology + lab

Other suggested courses: Molecular Biology, advanced Anatomy, advanced Physiology, Cell Biology, Histology, Immunology, Biochemistry II

**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 + lab  
CHEM 1420+1440 (4hrs) General Chemistry II + lab  
CHEM 2370+3210 (4hrs) Organic Chemistry I + lab  
CHEM 2380+3220 (4hrs) Organic Chemistry II + lab  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors + lab (4 hrs)\*\*  
Physics II for Science Majors + lab (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 + lab)

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

\*\*\*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.

### 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 + lab  
CHEM 1420+1440 (4hrs) General Chemistry II + lab  
CHEM 2370+3210 (4hrs) Organic Chemistry I + lab  
CHEM 2380+3220 (4hrs) Organic Chemistry II + lab  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
Physics I for Science Majors + lab (4 hrs)\*\*  
Physics II for Science Majors + lab (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 + lab  
CHEM 1420+1440 (4hrs) General Chemistry II + lab  
CHEM 2370+3210 (4hrs) Organic Chemistry I + lab  
CHEM 2380+3220 (4hrs) Organic Chemistry II + lab  
BIOC 3621 (3hrs) Principles of Biochemistry\*  
Alternatives: BIOC 4540 and BIOC 4550  
BIOL 2041 (3hrs) Microbiology  
Physics I for Science Majors + lab (4 hrs)\*\*  
Physics II for Science Majors + lab (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 + lab)

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

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

# 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.*

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## **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. |
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## **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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