

# PRE-MEDICAL

## General Prerequisite Coursework for Texas Medical Schools

**BIOL 1710 (3hrs) General Biology I**  
**BIOL 1720 (3hrs) General Biology II**  
**BIOL 1760 (2hrs) General Biology Lab**  
**BIOL Electives (6hrs)**  
*Recommended: BIOL 2041/2042,  
 BIOL 3800, BIOL 3510, or BIOL 3451*  
**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 (4hrs)\*\***  
**Physics II for Science Majors (4hrs)\*\***  
**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**  
**MATH 1680 (3hrs) Elementary Probability and Statistics**

\*Biochemistry is not required for all schools. See below for more information

\*\*Medical Schools require Physics courses for science majors. PHYS 1410/1430 & PHYS 1420/1440 or PHYS 1510/1530 & PHYS 1520/1540 will satisfy these requirements.

\*Baylor, Dell, and TCU have specific requirements—please see below for more information.

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

## Additional Information by School

*\*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.\**

### \*Baylor College of Medicine

#### Requirements:

3-4 hours of Math (Calculus, Stats, or Physics)  
 3-4 hours of Writing (See website for approved courses)  
 12 hours of Humanities/Social Sciences (See website for options)  
 6-8 hours of Organic Chemistry (lab is not required)  
 3-4 hours of Biochemistry (lab is not required)  
 3-4 hours of Advanced Biology (lab is not required)  
*Highly recommended: BIOL 3510 and BIOL 3451*  
*Recommended: Spanish*

### \*Dell Medical School—UT Austin

#### Requirements:

11 hours of Biology (2 hours must be from labs)  
*Recommended: BIOL 3451*  
 8 hours of Physics  
 12 hours of Chemistry (See website for approved combination)  
 3 hours of Biochemistry  
 3 hours of English Composition  
 3 hours of Statistics

### Paul L. Foster—Texas Tech El Paso

Biochemistry is required, and can help satisfy either the Biology or Chemistry requirements

*Recommended: 12 hours of Humanities, Social Sciences, or Behavioral Sciences*

*Recommended advanced sciences:*

*BIOL 4201, BIOL 3451, and BIOL 3510*

### Sam Houston State University College of Osteopathic Medicine

Only requires 8 hours of Biology

Biochemistry can be substituted for Organic Chemistry II  
 6 hours of mathematics (3 hours must be Statistics)

### TAMU Health Science Center

8 of the 14 hours of Biology must be General Biology  
 6 of the 14 hours of Biological sciences must be at the advanced level; Biochemistry is required, but 3 of the advanced Biology hours may be from Biochemistry

### \*Texas Christian University School of Medicine

#### Requirements:

1 semester of Biochemistry (BIOC 3621 or 4540)  
 2 semesters of General Sciences, such as BIOL 3451, BIOL 2041/2042, BIOL 4751, General Physics, BIOL 4201, or BIOL 4250  
 1 semester of Physiology (BIOL 2301/2311 OR 2302/2312)  
 1 semester of Statistics (MATH 1680)  
 1 semester of English Composition (ENGL 1310)  
 2 semesters of Social and Behavioral Sciences (See website for options)  
 2 semesters of Humanities (See website for options)

\*Please see advisor for specific coursework.

Physics not required

### Texas College of Osteopathic Medicine (UNTHSC)

1 semester of Biochemistry is NOT required

*Recommended for BIOL elective:*  
 BIOL 3510, BIOL 2301/2311, BIOL 2302/2312, BIOL 2041/2042

### Texas Tech HSC

Of the 14 hours of biology, 6 must be at the advanced level

Biochemistry is **required** and can be used toward the Biology or General Chemistry requirement—  
 applicants are strongly advised to complete at least 6 hours of advanced Biology courses

### UIW School of Osteopathic Medicine

Biochemistry is not required, but recommended

Only requires 8 hours of Biology (more is encouraged)  
 6 hours of Philosophy or related Humanities coursework is recommended; advanced behavioral science also recommended

Statistics is not required, but 6 hours of coursework in Math or Statistics is recommended

*Recommended advanced sciences:*

*BIOL 3451, BIOL 4201,  
 BIOL 2301/2311, BIOL 2302/2312,  
 BIOL 4751 or 4752, BIOL 3510, BIOL 2041/2042*

### UT Tyler School of Medicine

Requires 11 hours of Biology, 2 of which must be labs  
 Chemistry: See website for approved combinations  
 3 hours of English Composition Only

### University of Houston College of Medicine

Biology Requirement: 8 hours of General Biology with lab and 3 hours of advanced Biology

*Recommended science: Human Physiology, BIOL 4201*  
*Recommended: foreign language*

### UTHSC-Houston (McGovern)

Biochemistry is recommended

No Math course is required.

*Additional Recommended Courses: BIOL 2041/2042, BIOL 4201, MATH 1680, psychology and/or sociology*

### UT Medical Branch

Statistics or Calculus is accepted (stats must be MATH)

*Recommended: BIOL 2301/2311, BIOL 2302/2312, BIOL 2041/2042, BIOL 4201, BIOL 3510, BIOC 3621 or BIOC 4540 or 4550, BIOL 4330, MATH 1680*

### University of Texas Rio Grande Valley

Biochemistry is **required** but may be used towards the Biology or Chemistry requirements

Calculus does not meet Stats Requirement

Online statistics will be evaluated on a case-by-case basis

### UTHSC San Antonio (Long School of Medicine)

Biochemistry is **required** but may be used towards the Biology or Chemistry requirements

### UT Southwestern

1 semester of Biochemistry is accepted towards the Biology requirement (only if two semesters completed)

Math: 1 semester of Calculus OR Statistics

Only requires 4 hours of General Chemistry is required

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



# Mapping the Pre-Medical 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-medical 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 personal essay workshops  
 Attend HPAC Seminar  
 MCAT Preparation

**Spring Timeline (before applying)**  
 Attend HPAC Seminar  
 HPAC Application due in January  
 MCAT Prep/Take Exam (by June)

**Summer:** Apply to medical schools through TMDSAS, AMCAS, and/or AACOMAS. Interviews with medical schools are typically July-December.

FALL	Hrs.	SPRING	Hrs.

**Fall Timeline**  
 Medical School Interviews

**Spring Timeline**  
 January—Deadline for Submitting Match List to TMDSAS  
 February—Match Date (Informed by TMDSAS)

## 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/>

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