

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

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

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

+TCU/UNTHSC has different requirements, please see below

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)**

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

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

Additional Information by School

Baylor College of Medicine

Requirements include:

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

Requirements include:

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

Paul L. Foster

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

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 must be from Biochemistry

+Texas Christian University/UNTHSC School of Medicine

Requirements include:

1 semester of Biochemistry (BIOC 3621 or 4540)
1 semester of Genetics (BIOL 3451)
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

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

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 Chemistry requirement

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
preferred

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

University of Houston College of Medicine

Requirements include:

3 hours advanced Biology
Recommended science: BIOL 2301, BIOL 4201
Recommended: foreign language

UTHSC-Houston (McGovern)

Biochemistry accepted towards 14hrs of BIOL
(not required)

Only one year of Biology can be completed by AP credit
No Math course is required; familiarity with statistics and
psychology preferred

UT Medical Branch

Statistics or Calculus is accepted

Biochemistry is not required (but recommended)

Recommended: BIOL 2301/2311, BIOL 2302/2312,
BIOL 2041/2042, BIOL 4201, BIOL 3451,
BIOL 3510, BIOC 3621 or BIOC 4540 or 4550, BIOL
4330

University of Texas Rio Grande Valley

Biochemistry course may be used towards the Biology
or Chemistry requirements

Calculus does not meet Math Requirement

UTHSC San Antonio (Long School of Medicine)

Biochemistry course 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)

Recommended for BIOL elective:

BIOL 3451, BIOL 4201, BIOL 4055,
BIOL 2301/2311, BIOL 2302/2312, BIOL 4290,
BIOL 2140, BIOL 2041/2042, BIOL 4091

1 semester of Biochemistry is required (see general gray
box)

Math: 1 semester of Calculus OR Statistics

Only requires 4 hrs of General Chemistry



Scan the QR code to the left for more information on Texas Medical Schools, MCAT preparation, pre-health organizations, application services, Health Professions Student Development Certificate and how to schedule an advising appointment

Mapping the Pre-Medical Journey

With the help of your advisor, use the prerequisite courses listed on the following page to create an individual plan for your pre-medical ambitions. Because circumstances can change and differ over time, this is an **unofficial** timeline and should be re-evaluated each semester.

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| SUMMER I | Hrs. | SUMMER II | Hrs. |
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| FALL _____ | Hrs. | SPRING _____ | Hrs. |
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Fall Timeline

- Attend "What Should I Be Doing Now?" Seminar
- Attend personal essay workshops
- MCAT Preparation

Spring Timeline

- Attend HPAC Seminar
- HPAC Application due in March
- MCAT Prep/Take Exam (June or July)

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

| FALL _____ | Hrs. | SPRING _____ | Hrs. |
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Fall Timeline

- Medical School Interviews

Spring Timeline

- January—Deadline for Submitting Match List to TMDSAS
- February—Match Date (Informed by TMDSAS)



To contact your pre-health advisor, scan the QR code above. On that site, under "Office of Health Professions Pre-Health Advising" You will find the contact information for each advisor.

General Email: Healthcareers@unt.edu

UNT Office of Health Professions

Hickory Hall, 256
1155 Union Circle #311365
Denton, TX 76203

To schedule an appointment, please visit appointments.unt.edu

Phone: 940-369-8606
Website: healthcareers.unt.edu