

Required Coursework for Admission to Texas Medical Schools

Medical School	Biology	General Chemistry	Organic Chemistry	Biochemistry	Physics	Statistics	English	Additional
Baylor College of Medicine ¹	3-4hrs advanced		8hrs	3hrs		3hrs	3hrs	See notes
UT Austin - Dell Medical School	11hrs - must include: 2hrs lab	8hrs	4hrs	3hrs	8hrs	3hrs	3hrs	
Texas Tech El Paso - Paul L. Foster School of Medicine	14hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	
Sam Houston State College of Osteopathic Medicine	8hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	3hrs additional math
Texas A&M HSC - Naresh K. Vashisht College of Medicine	8hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	6hrs advanced biology
Texas Christian University - Burnett School of Medicine ³	6hrs of general science			3hrs		3hrs	3hrs	See notes
UNT Health - Texas College of Osteopathic Medicine (TCOM)	14hrs - must include: 2hrs lab	8hrs	8hrs		8hrs	3hrs	3hrs	
Texas Tech Health Science Center School of Medicine	8hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	6hrs advanced biology
University of the Incarnate Word School of Osteopathic Medicine	8hrs - must include: 2hrs lab	8hrs	8hrs		8hrs		6hrs	
UT Tyler School of Medicine	14hrs - must include: 2hrs lab	8hrs	8hrs	3hrs	8hrs	3hrs	3hrs	
University of Houston - Tilman J. Fertitta Family College of Medicine	8hrs - must include: 2hrs lab	8hrs	8hrs	3hrs	8hrs	3hrs	6hrs	3hrs advanced biology
UT Houston - McGovern Medical School	14hrs - must include: 2hrs lab	8hrs	8hrs		8hrs		6hrs	
UT Medical Branch - John Sealy School of Medicine	14hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	
UT Rio Grande Valley School of Medicine	14hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	
UT Health Science Center San Antonio - Long School of Medicine	14hrs - must include: 2hrs lab	8hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	
UT Southwestern College of Medicine	14hrs - must include: 2hrs lab	4hrs	8hrs	3hrs ²	8hrs	3hrs	6hrs	

Recommended Curriculum for Medical School

We recommend completing the following curriculum: General Biology I & II with Lab, Microbiology with Lab, Genetics, Cell Biology, General Chemistry I & II with Labs, Organic Chemistry I & II with Labs, Biochemistry, English I & II, Statistics, and the TX core curriculum.

Course Subject	Prerequisite Course Numbers at UNT (Lecture & Lab)
General Biology I & II with Lab (3 credits)	BIOL 1710 & 1720 & 1760
Microbiology with Lab (4 credits)	BIOL 2041 & 2042
Genetics (3 credits)	BIOL 3451
Cell Biology (3 credits)	BIOL 3510
General Chemistry I with Lab (4 credits)	CHEM 1410 & 1430
General Chemistry II with Lab (4 credits)	CHEM 1420 & 1440
Organic Chemistry I with Lab (4 credits)	CHEM 2370 & 3210
Organic Chemistry II with Lab (4 credits)	CHEM 2380 & 3220
Biochemistry (3 credits)	BIOC 3621* or BIOC 4540
Physics with Lab (4 credits)	Algebra-Based: PHYS 1410 & 1430 + PHYS 1420 & 1440
	Calculus-Based: PHYS 1510 & 1530 + PHYS 1520 & 1540
	Engineering-Based: PHYS 1710 & 1730 + PHYS 2220 & 2240
Statistics (3 credits)	MATH 1680 or MATH 3680
English (6 credits)	ENGL 1310 & ENGL 1320

*To enroll in biochemistry and upper-level biology courses at UNT, students must complete the following foundation coursework: BIOL 1710/1720/1760, CHEM 1410/1430, CHEM 1420/1440, CHEM 2370/3210, MATH 1680, and an approved 2000-level Biology (BIOL 2041/2042 – microbiology – is recommended)

Additional Information:

- A minimum of 90 hours of undergraduate coursework and all prerequisite coursework must be completed by matriculation and taken at a US or Canadian college or university accredited by one of the agencies recognized by the THECB
- All prerequisite coursework must be completed with a C or better
- All science courses must be majors-level; non-science majors or allied health career (nursing, nutrition, etc.) courses will not be accepted

Notes:

- 1) **Baylor University:** Biostatistics is preferred to complete the math requirement, but statistics, physics, or calculus will be accepted. Requires 12 hours of Humanities or Social/Behavioral Sciences – Humanities includes philosophy, religion, upper-level history, language arts (literature, writing, oratory, rhetoric, poetry, foreign language (maximum 6 hrs), performing arts (theater, music, dance, etc.), and the visual arts (painting, sculpture, photography, filmmaking, etc.). Social/Behavioral Sciences include sociology, psychology, anthropology, linguistics, etc. Labs are not required for organic chemistry, biochemistry, and advanced Biology. Recommended for the Advanced Biology course: Genetics (BIOL 3451) or Cell Biology (BIOL 3510). Additional recommended coursework: Spanish
- 2) **Tech El Paso and TTU School of Medicine:** 3 semester hours of biochemistry may be used towards fulfilling the general biology or chemistry requirement. **Sam Houston:** Biochemistry can substitute for organic chemistry II. **Texas A&M:** biochemistry can count towards the 6 hours of advanced biology. **UTMB:** Biochemistry can be substituted for one semester of Biology. **UT Rio Grande:** Biochemistry can count towards the biological sciences or chemistry requirement. **UT San Antonio:** Biochemistry can count towards the biology or chemistry requirement. **UT Southwestern:** Biochemistry can count towards the biology requirement.
- 3) **TCU:** General Sciences can include genetics (BIOL 3451), microbiology (BIOL 2041), Neuroscience (BIOL 4751), physics, immunology (BIOL 4021), pharmacology (BIOL 4250), etc. Requires two courses in social and behavioral sciences (such as psychology, sociology, public health, history, political science, etc.) and two courses in humanities (such as art, music, theater, speech, foreign language, literature, etc.)