

Recommended Coursework for Pre-Health Professions Students

The following courses are recommended by the Health Professions Advising Center for students anticipating careers in one of the health professions (medicine, dentistry, pharmacy, optometry, etc.). While requirements vary somewhat depending on the particular professional school of choice, the following courses should generally position students well for being competitive applicants. Students should consult a health professions advisor for course requirements related to specific health professions.

<u>General Chemistry</u>	Chemistry I with lab	CHEM 1011, 1013, 1111, 1311
	Chemistry II with lab	CHEM 1012, 1112, 1312

<u>Organic Chemistry</u>	Organic Chemistry I with lab	CHEM 2023, 2123, 2323
	Organic Chemistry II with lab	CHEM 2025, 2125, 2325

Physics

There are three physics sequences at UT Dallas. One is an algebra-based sequence and the other two are calculus-based sequences. Most health professions schools will accept any of these, so which sequence to take should be a topic for advising and will likely be related to the student's degree requirements.

	<u>Algebra-based</u>	<u>Calculus-based</u>
Physics I with lab	PHYS 1101, 1301	PHYS 2123, 2323 or PHYS 2123, 3341
Physics II with lab	PHYS 1102, 1302	PHYS 2125, 2325 or PHYS 2125, 3342

Mathematics

Calculus	MATH 1325 or 2417
Statistics	STAT 1342 or 3332

English

Rhetoric	RHET 1302
Literature	Any LIT course

English requirements for health professions schools can also be met, in part, through the departmental advanced writing courses (such as BIOL 4390).

Biology

Biology I with workshop	BIOL 2111, 2311
Biology II with workshop	BIOL 2112, 2312
Introductory Biology Lab	BIOL 2281
Biochemistry I	BIOL 3161, 3361

The following courses are among those applicable to the biology requirement for most health professions schools.

Anatomy & Physiology I, II	BIOL 3455 and 3456
Genetics	BIOL 3101, 3301
Molecular/Cellular Biology	BIOL 3102, 3302
Microbiology	BIOL 3V20
Cellular Neuroscience	NSC 4352
Integrative Neuroscience	NSC 4354
Neurophysiology	NSC 4346
Neuropharmacology	NSC 4363
Neuroanatomy	NSC 4366