

PRE-HEALTH PROFESSIONS

Suggested SMU Pre-Med Plan

This plan could vary depending on the major chosen. Consult your advisor and check the individual degree plans for suggested sequencing of courses. Grades of "C" or better are required to meet specific science (and math) pre-requisites for admission to medical school. Consult with your advisor before advancing to the next level course. Science prerequisites include courses coded as Biology, Chemistry, Physics, and Math (including Statistics). Subjects in *italics* will appear as content on the MCAT. See additional notes below.

1st Year Fall

CHEM 1303 (*General Chem*)
CHEM 1113 (*Chem Lab*)
BIOL 1301 (*Intro Biology*)
BIOL 1101 (*Biology Lab*)
DISC 1312 (Discernment)
MATH 1304/1337

1st Year Spring

CHEM 1304 (*General Chem*)
CHEM 1114 (*Chem Lab*)
BIOL 1302 (*Intro Biology*)
BIOL 1102 (*Biology Lab*)
DISC 1313 (Discernment)
MATH 1337 (Calculus)

2nd Year Fall

BIOL 3304 (*Genetics*)
CHEM 3371 (*Organic Chem*)
CHEM 3117 (*Organic Lab*)
PSYC 1300 (*Psychology*)

2nd Year Spring

BIOL 3350 (*Cell Biology*)
CHEM 3372 (*Organic Chem*)
CHEM 3118 (*Organic Lab*)
STAT 2331 (Statistics)

3rd Year Fall

PHYS 1307 (*Lecture*)
PHYS 1105 (*Lab*)
BIOL 5310 (*Biochem I*)
SOCI 1300 (*Sociology*)

3rd Year Spring

PHYS 1308 (*Lecture*)
PHYS 1106 (*Lab*)
BIOL 5311 (*Biochem II*)

Notes:

Medical schools vary in the requirements for admission, therefore, this suggested plan is only a guide to prepare students to meet the requirements of most medical schools. It is the responsibility of the student for reviewing the MSAR (Medical School Admissions Requirement) and medical school websites for course recommendations/requirements before applying to individual medical schools.

While Calculus I (Math 1337) is required for some schools, Calculus II (Math1338) is not generally required for admission to most medical schools. ***Proficiency in an introductory Statistics course is strongly recommended*** (and required many medical schools). Consult with your advisor.

After taking Genetics, there are a number of upper level Biology courses students can take to satisfy advanced hours in Biological Sciences. Cell Biology provides additional review and preparation for the MCAT. ***An upper-level course in Physiology is strongly recommended*** (and required by some medical schools). Consult with your advisor and your Undergraduate Catalog for details.

Students may complete Phys 1303/1105 & Phys 1304/1106 instead of Phys 1307/1105 & Phys 1308/1106. Note: Math 1338 is a prerequisite (or concurrent enrollment) for Phys 1304.

Students majoring in Chemistry, Biochemistry, or Physics should plan to take Organic Chemistry, Genetics and Physics in the sophomore year.

Although three hours of Biochemistry are recommended (and by some schools, required), ***BIOL 5311 is strongly recommended*** for additional MCAT preparation and preparation for medical school.

Pre-medical students should plan to take the MCAT no later than June of the year they intend to submit their application (usually April/May of the junior year). The MCAT is offered multiple times during the year. See the Pre-Health Director for more information and visit the AAMC web site <http://www.aamc.org>

Pre-meds may incorporate study abroad in their college plan, usually before the spring of junior year or during the summer. Talk with your advisor and plan ahead!
