

PRE-HEALTH PROFESSIONS
SMU Core Pre-Med/Pre-Health Curriculum – Recommended Plan

This plan could vary depending on the major you choose. Consult your advisor and check the individual degree plans for suggested sequencing of courses. Course descriptions are available in the SMU catalog. More than the minimum number of classes is often suggested, and pre-dental students should plan to take more biological sciences than listed below.

Semester One

CHEM 1303 (General Chem)
CHEM 1113 (Chem Lab)
BIOL 1401 (Intro Biology)
ENGL 1301/2305
MATH 1304/1337

Semester Two

CHEM 1304 (General Chem)
CHEM 1114 (Chem Lab)
BIOL 1402 (Intro Biol)
ENGL 1302/2306
MATH 1337/1338

Semester Three

BIOL 3304 (Genetics)
CHEM 3371 (Organic Chem)
CHEM 3117 (Organic Lab)

Semester Four

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

Semester Five

PHYS 1307 (Lecture)
PHYS 1105 (Lab)

Semester Six

PHYS 1308 (Lecture)
PHYS 1106 (Lab)

Semester Seven

BIOL 5310 (Biochemistry)

Semester Eight

BIOL 5311 (Biochemistry)
BIOL 5110 (Biochem Lab)

Notes:

1. Calculus II (Math 1338) is not generally required for admission to schools offering advanced degrees in the health professions. A full year of Calculus (Math 1337 and Math 1338) is required, however, for admission to some medical schools.
2. 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 now offered multiple times during the year. See the Pre-Med/Pre-Health advisor for more information and visit the AAMC web site <http://www.aamc.org>
3. Two semesters of Biochemistry are recommended including a lab. Some medical, dental and veterinary colleges require at least one semester of Biochemistry. Students taking Biochemistry often do so in their senior year, unless they are Biochemistry majors.
4. Students may complete Phys 1303/1105 & Phys 1304/1106 instead of Phys 1307/1105 & Phys 1308/1106. Note: Math 1338 is recommended for Phys 1304.
5. Pre-meds may incorporate study abroad in their college plan, usually for the junior year or for summer. In order to study abroad for a semester, students may complete either chemistry or physics during the summer and then move Physics to the sophomore year. Plan ahead! Talk with your advisor.
6. Students majoring in Physics or Biochemistry should plan to take Organic Chemistry, Genetics and Physics in the sophomore year.