

PRE-HEALTH PROFESSIONS SMU Core Curriculum – Alternate Plan

Not Recommended for those majoring in Biological Sciences Biochemistry, Chemistry or Physics. Engineering students should see their advisor(s) for degree plans. Course descriptions are available in the SMU catalog. More than the minimum number of classes to meet requisites for profession schools is suggested, and pre-dental students should plan to take more biological sciences classes than listed below.

Semester One

CHEM 1303 (General Chem)
CHEM 1113 (Chem Lab)
ENGL 1301/2305
MATH 1304/1337

Semester Two

CHEM 1304 (General Chem)
CHEM 1114 (Chem Lab)
ENGL 1302/2306
MATH 1337/1338

Semester Three

BIOL 1401 (Intro Biology)
CHEM 3371 (Organic Chem)
CHEM 3117 (Organic Lab)

Semester Four

BIOL 1402 (Intro Biology)
CHEM 3372 (Organic Chem)
CHEM 3118 (Organic Lab)
STAT 2331

Semester Five

BIOL 3304 (Genetics)
PHYS 1307 (Lecture)
PHYS 1105 (Lab)

Semester Six

BIOL 3350 (Cell Biology)
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 many schools offering advanced degrees in the health professions. A full year of Calculus (Math 1337 and Math 1338) is, however, required for admission to a very few medical schools. Consult the *Medical School Admissions Requirements (MSAR)*, and or the webpages for the schools in which you are interested.
2. Pre-medical students should plan to take 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 administered multiple times during the year. See the Pre-Med/Pre-Health advisor for more information and check the AAMC web site <http://www.aamc.org>
3. Two semesters of Biochemistry are recommended including a lab. Students taking Biochemistry often do so in their senior year.
4. Students may complete Phys 1303/1105 & Phys 1304/1106 instead of Phys 1307/1105 & Phys 1308/1106. It should be noted that Math 1338 is a pre-requisite (or co-requisite) for Phys 1304.

5. Pre-med/pre-health students may incorporate study abroad in their college plan, usually for the junior year or summer. In order to study abroad for a semester, they complete either chemistry or physics during the summer or in sophomore year. Plan ahead! Talk with your advisor.