

Course Prerequisites for Pharmacy

Due to variation in each school's curriculum, the following is merely a guideline of typical requirements. To determine the exact requirements for each program, the student should work with their academic advisor to review each school to which he/she is applying.

You are not required to have a bachelor's degree to start a Pharm.D. program. However, applicants with a BS or BA are given preference, and the vast majority of admitted students have a bachelor's degree.

SMSU Course Number	Pre-Requisite courses for Program	Semester Credit Hours
Biol 200 Biol 303 Biol 305/306	Introduction to cellular biology with lab Microbiology with Lab Anatomy and Physiology I and II with Lab	4 5 8
Biol XXX	At least one additional upper level biology course. Genetics, Immunology, or Biochemistry are recommended	4
Chem 231/232 Chem 351/352	General Chemistry I and II with lab Organic Chemistry I and II with lab	10 10
Phys 141/142	College Physics I and II	8
Math 140 or 150 Math 200	Calculus a short course OR Calculus I Statistics	3 or 5 3
Eng 151 Eng 251 Spch 110	Academic Writing Writing in the Professions Fundamentals of Public Speaking	4 3 3
Courses in Behavioral or Social sciences	Minimum of two courses from Psychology, Anthropology, Sociology, economics, political science, or history	6+

Most applicants are required to take the Pharmacy College Admissions Test (MCAT) to measure general academic ability and scientific knowledge necessary for the commencement of pharmaceutical education. The PCAT exam consists of 5 sections—Verbal ability, Biology, Chemistry, Reading comprehension, and Quantitative ability. Information regarding the PCAT may be found at <http://www.pcatweb.info/>