Health Professions Advising Office
Pharmacy School Academic Preparation

These courses meet the requirements for most pharmacy schools and for preparation for the PCAT. Pharmacy schools generally do not accept AP credit or on-line courses for these required courses. **Be sure to check each pharmacy school's requirements.**

No pharmacy school requires a science major, nor are science majors given extra consideration in the admission process. Becoming a competitive pharmacy school applicant also requires more than a solid GPA and PCAT score. **Be sure you are meeting regularly with your HPAO advisor.**

**One year General Chemistry with Labs**
CHEM 200  General Chemistry
Prerequisites: Knowledge of introductory chemistry as demonstrated by completion of CHEM 100 with a grade of C or better, or satisfaction of the Entry-Level Mathematics requirement and qualification on the Chemistry Department Placement Examination.
CHEM 201  General Chemistry
Prerequisite: CHEM 200 or 202 with grade of C or better

**One year of Organic Chemistry with Labs**
CHEM 232/232L  Organic Chemistry
Prerequisite: CHEM 201 with grade of C or better and credit or concurrent enrollment in CHEM 232L
CHEM 432/432L  Organic Chemistry
Prerequisite: CHEM 232 with a grade of C or better and credit or concurrent enrollment in CHEM 432L

**One year of Biology with Labs**
BIOL 203/203L  Principles of Cell & Molecular Biology
Prerequisite: Credit/ concurrent registration in CHEM 200 or 202 and satisfaction of the SDSU Written Communication Assessment
BIOL 204/204L  Principles of Organismal Biology
Prerequisite: Satisfaction of the English placement test requirement. Recommended completion of BIOL 203/203L

**One year of Physics with Labs**
PHYS 180A/182A  Fundamentals of Physics I/Lab
Prerequisite: Satisfaction of the Entry-level Mathematics requirement. Recommended concurrent registration in PHYS 182A
PHYS 180B/182B  Fundamentals of Physics II/Lab
Prerequisite: Satisfaction of the Entry-level Mathematics requirement, PHYS 180A. Recommended concurrent registration in PHYS 182B

**OR**
PHYS 195/195L  Principles of Physics/Lab
Prerequisites: High school physics or PHYS 180A. MATH 150 with a minimum grade of C
PHYS 196/196L  Principles of Physics/Lab
Prerequisites: PHYS 195. MATH 151

**One semester of Mathematics (One year required by some schools)**
MATH 124  Calculus for Life Sciences
Prerequisite: Knowledge of algebra, geometry, and trigonometry as demonstrated by either (1) satisfactory completions of MATH 141 with a grade of C (2.0) or above; or (2) satisfaction of the Entry-Level Mathematics requirement and qualification on the Mathematics Departmental Precalculus Proficiency Examination. Proof of completion of prerequisites required

**OR**
MATH 150  Calculus I
Prerequisite: Knowledge of algebra, geometry, and trigonometry as demonstrated by either (1) satisfactory completions of MATH 141 with a grade of C (2.0) or above; or (2) satisfaction of the Entry-Level Mathematics requirement and qualification on the Mathematics Placement Assessment. Proof of completion of prerequisites required
**One semester of Statistics**
STAT 250  Statistical Principles and Practices*
Prerequisite: Satisfaction of the Entry-level Mathematics requirement

OR

BIOL 215  Biostatistics*
Prerequisites: Credit or concurrent registration in BIOL 203, 203L, or 204, 204L and MATH 122, 124, 141, or 150

*Other statistics courses may also meet this requirement. Check with HPAO.

**One year of English**
RWS 100  College Composition*
Prerequisite: Satisfaction of the SDSU writing competency requirement

RWS 200  Intermediate Composition*
Prerequisite: Satisfaction of the SDSU writing competency requirement and RWS 100 or equivalent

*Other composition courses may also meet this requirement for some pharmacy schools. Check with HPAO.

**One semester of Public Speaking**
COMM 103  Oral Communication

COMM 160  Argumentation

**One semester of Anatomy**
BIOL 212  Human Anatomy
Prerequisite: Grade of C or better in Biology 100, 203, or 211.

**One semester of Physiology**
BIOL 336  Principles of Human Physiology
Prerequisite: Completion of the General Education requirement in Foundations of Learning II.A.2. Life Sciences. If a biological sciences course is not taken to satisfy General Education II.A.2. Life Sciences, a college course in biological sciences is required.

**One semester of Economics**
ECON 101  Principles of Economics (Macroeconomics)*
Prerequisite: Satisfaction of the Entry-level Mathematics requirement

OR

ECON 102  Principles of Economics (Microeconomics)*
Prerequisite: Satisfaction of the Entry-level Mathematics requirement

*The requirement of Macroeconomics or Microeconomics varies by school.

**Courses required by some schools (Be sure to check pre-requisites)**
PSY 101  Introductory Psychology

CHEM 365  Biochemistry, Cell & Molecular Biology
Prerequisites: BIOL 203, 203L and CHEM 232, 232L

MATH 151*  Calculus II
Prerequisite: Mathematics 150 with minimum grade of C (2.0). Proof of completion of prerequisite required.

*(Required for UCSD School of Pharmacy)