



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

OR

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)*



GMCS 323

hpao@sdsu.edu