



SAN DIEGO STATE
UNIVERSITY

HEALTH PROFESSIONS ADVISING OFFICE Medical School Academic Preparation

These courses meet the requirements for most medical schools (MD, DO, DPM) and for preparation for the MCAT. Medical schools generally do not accept AP credit or on-line courses for these *required* courses. **Be sure to check each medical school's requirements.**

No medical school requires a science major, nor are science majors given extra consideration in the admission process. Becoming a competitive medical school applicant also requires more than a solid GPA and MCAT 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 Mathematics/Quantitative Reasoning Assessment 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 semester of Biochemistry

CHEM 365 Biochemistry, Cell & Molecular Biology

Prerequisites: BIOL 203, 203L and CHEM 232, 232L

One year of Biology with Labs

BIOL 203/203L Principles of Cell & Molecular Biology

Prerequisite: Credit or concurrent registration in Chem 200/202 and satisfaction of the Written Communication Assessment requirement.

BIOL 204/204L Principles of Organismal Biology

Prerequisite: Satisfaction of the Written Communication Assessment 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 year of Math and Statistics (one semester of each)

MATH 124 Calculus for Life Sciences

Prerequisites: 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

Prerequisites: 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.

AND

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 for some medical schools. Check with HPAO.*

One year of English

RWS 100 College Composition*

Prerequisite: Satisfaction of the SDSU written communication assessment requirement.

RWS 200 Rhetoric of Written Arguments in Context*

Prerequisite: Satisfaction of the SDSU Written Communication Assessment requirement and Rhetoric and Writing Studies 100 [or English 100] or 105B, or Africana Studies 120 or American Indian Studies 120 or Chicana and Chicano Studies 111B or English 100 or Linguistics 100B. Proof of completion of prerequisites required: Test scores or verification of exemption; copy of transcript.

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

These courses are not required but may be helpful for MCAT preparation (Be sure to check pre-requisites)

- PSY 101 Introductory Psychology
- SOC 101 Introductory Sociology: Study of Society
- SOC 102 Introduction to Social Problems
- BIOL 212 Human Anatomy
- BIOL 336 Principles of Human Physiology



GMCS 323
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