



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 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 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 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: CHEM 200 and satisfaction of the English placement test requirement*

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 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  
*Prerequisite: Satisfaction of the Entry-level Mathematics requirement*

**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 Departmental Precalculus Proficiency Examination. Proof of completion of prerequisites required.*

STATS 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 124*

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

### **One year of English**

#### **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, RWS 100*

**These courses are not required but may be helpful for MCAT preparation. Be sure to check pre-reqs.**

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



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