## Health Professions Advising Office

# Dental School Academic Preparation

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

No dental school requires a science major, nor are science majors given extra consideration in the admission process. Becoming a competitive dental school applicant also requires more than a solid GPA and DAT 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 or concurrent registration in Chem 200/202 and satisfaction of the SDSU 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 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 requiremen. Check with HPAO.*

**Courses required by some schools (Be sure to check pre-requisites)** PSY 101 Introductory Psychology
BIOL 212 Human Anatomy
*Prerequisite: Grade of C or better in Biology 100, 203, or 211.*
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.*

BIOL 350 General Microbiology
*Prerequisites: Biology 203, 203L, 204, 204L; Chemistry 232, 232L*

*OR*

BIOL 211 and 211L Fundamentals of Microbiology
*Prerequisites: Biology 100 or 203 and 203L; or a grade of B or better in high school biology. Credit or concurrent registration in Chemistry 100 or 102 or 130.*

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

**These courses are not required but may be of interest:**
BIOL 215 Biostatistics
BIOL 249 Careers in Health Professions
BIOL 340A Preventive Dentistry
BIOL 352 Genetics and Evolution
BIOL 474 Histology
BIOL 485 Principles of Immunology
BIOL 585 Cell and Molecular Immunology
BIOL 554 Molecular Virology
BIOL 576 Developmental Biology
BIOL 590 Physiology of Systems
BIOL 436 Physiology Lab
PH 362 International Health

Health Professions Advising Office

**GMCS 323**
**hpao@sdsu.edu**