

Preparing for Dental School: Coursework

Mapping Your Coursework and Preparation

We recommend that you first go to your college's advisement center for an outline of classes required for your major. The Preprofessional Advisement Center will then be able to assist you in planning out specific prerequisite courses and other pre-dental preparation.

This list generally fulfills most dental school prerequisites. This is not comprehensive; we strongly encourage you to consult with our office, the ADEA's Official Guide, and with individual schools' websites for specific requirements.

Courses Required for Dental Schools & Recommended for DAT Preparation

General Chemistry

CHEM 105	General College Chemistry	4 credits
CHEM 106 & 107	General College Chemistry & Lab	3 credits, 1 credit
<i>(CHEM 111, 112, & 113, if required by your major)</i>		

Organic Chemistry

CHEM 351	Organic Chemistry	3 credits
CHEM 352 & 353	Organic Chemistry & Lab	3 credits, 2 credits
<i>(CHEM 354, if required by your major)</i>		

Biochemistry

CHEM 481	Biochemistry	3 credits
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Biology

PDBIO 120	Science of Biology	3 credits
<i>Or</i>		
MMBIO121 & 122	General Biology & Lab	3 credits, 1 credit
<i>(BIO 130, if required by your major)</i>		
MMBIO 221 & 222	General Microbiology & Lab	3 credits, 1 credit
PDBIO 305	Physiology (<i>pre-req is PDBIO 220</i>)	4 credits
<i>(PDBIO 362, 363, if required by your major or need a physiology lab credit)</i>		
MMBIO 240	Molecular Biology & Lab	3 credits, 1 credit
<i>and/or</i>		
PWS 340	Genetics (<i>pre-req is MMBio 240 or Chem 481</i>)	3 credits

Courses Required Before Dental School Matriculation

Physics

PHSCS 105 & 107	Introduction to Physics & Lab	3 credits, 1 credit
PHSCS 106 & 108	Introduction to Physics & Lab	3 credits, 1 credit
<i>(PHSCS 121, 123, if required by your major)</i>		

English (at least two classes, usually fulfilled by your major and GE requirements)

Math (requirements vary, consult the schools you are planning on applying to and/or the ADEA guide)

Humanities/Social Sciences (requirements vary)

Pre dental Classes

<i>STDEV 170: Intro to Health Professions</i>	1 credit
Seminar style overview of health careers with a variety of guest lecturers (medical doctor, dentist, physician assistant, pharmacist, dentist, physical therapist, etc.).	
<i>ST DEV 271: Preview of Dentistry</i>	1 credit
Seminar style overview of the dental profession with lectures from prehealth advisors, local dental professionals, and dental school admissions officers.	
<i>ST DEV 375: Dental School Prep Lab Experience</i>	1 credit
Lecture and laboratory class covering basics of dental anatomy, terminology, tooth carving, and dental practice taught by a local dental professional.	
<i>STDEV 399R Health Professions Internship</i>	1-3 credits
Students are invited to set up shadowing experiences with different dentists and receive course credit for the experience.	
<i>ST DEV 470: Medical and Dental School Application</i>	2 credits
For premedical and pre dental students, provides an overview of the application process.	

Other Prehealth Classes

<i>BIO 370: Bioethics</i>	2 credits
Discussion of major ethical theories and their application to current issues in medicine and biology.	