



## Pre-Dentistry Advising Sheet

Dentists deal with the prevention and treatment of diseases and malformations of the teeth, gums, and oral cavity, and the removal, correction, and replacement of decayed, damaged, or lost dental parts. Dental education programs are four years of class, pre-clinical, and clinical instruction. The first two years usually cover the basic sciences and the last two years are spent diagnosing oral disease, surgery and clinical study. In the fourth year, students typically must complete a dental rotation externship. In addition to the general dentistry, dental schools may offer specialized post graduate programs of study, in areas such as oral and maxillofacial surgery, orthodontics, or pediatric dentistry, which can take an additional two to six years to complete. In addition, some dental schools offer joint degree programs that can include earning (in addition to the DDS) a Masters or PhD degrees in oral biology and the basic sciences, as well as MPH and MBA.

Common Pre-Dentistry Prerequisite Courses			
Biology	One year of general biology w/lab	BIO 1210/L, BIO 1220/L	
Chemistry	One year of general inorganic chemistry w/lab	CHM 1210/L, CHM 1220/L	
Organic Chemistry	One year of organic chemistry w/lab	CHM 3140/L, CHM 3160/L	
Physics	One year of general physics w/lab	PHY 1210/L, PHY 1220/L OR PHY 1510/L, PHY 1520/L	
Mathematics	Generally, at least one semester of Math is required. Some require calculus, some require calculus and statistics, and some schools require no math. Please refer to program website for more information	MAT 1200 OR MAT 1140	STA 1200 OR STA 1300
Molecular Biology	One semester is strongly recommended or required	BIO 3220	
Biochemistry	One semester is strongly recommended and maybe required at some schools	CHM 3270/L	
English	One year is required for most schools	ENG 1103, ENG 2105	
3-Dimensional Art	Many dental schools strongly recommend at least one course in Sculpture to develop manual dexterity and spatial orientation skills	VCD 1331A	

### Additional Subjects Recommended by most US Dental School

Microbiology, Anatomy, Physiology, Genetics, Cell/Molec	Basic or advance level sciences courses are recommended or maybe required. Refer to ADEA Official Guide to Dental Schools for more information	BIO 2060, BIO 2340, BIO 2350, BIO 2400, BIO 3220
Humanities and Social Sciences	Many Dental Schools strongly recommend course in Psychology, sociology, Philosophy, History, Communications, Business/Economics	PSY 2201, SOC 2201, HST 1101/1102/2201/2202 COM 1101/2201 EC 2201/2202

## Resources

- American Dental Association: <http://www.ada.org/en/>
- American Student Dental Association: <https://www.asdanet.org/>
- Dental Admissions Test: <http://www.ada.org/en/education-careers/dental-admission-test/>
- ADEA Official Guides to Dental Schools: <http://www.adea.org/officialguide/>
- Student National Dental Association: <https://sndaonline.net>