

Dental Schools with Math and/or Advanced Science Requirements for the 2010 Application Cycle

For nearly all U.S. dental schools, the minimum required science courses for admission include one year each with laboratory of general chemistry, organic chemistry, physics, and introductory biology. **This table lists dental schools that have additional science/math requirements.** All dental schools encourage applicants to take upper level courses in biology, especially biochemistry, genetics, and microbiology to prepare for dental studies.

The information in this table was compiled from the 2009 edition of the Official Guide to Dental Schools For Students Entering in Fall 2010 published by the American Dental Education Association (www.adea.org). Only schools with specific requirements or **strong** recommends are listed in this table. *You should review the ADEA guide and individual dental school websites for additional course recommendations. Note some schools also require a minimum number of hours observing dentists.*

Dental School	Additional Required Courses	Job Shadowing/ # of hours
Alabama		
University of Alabama School of Dentistry	1 semester upper level Biology 2 semesters Mathematics (calculus recommended)	Required: # hours not specified
Arizona		
Arizona School of Dentistry and Oral Health	1 semester Biochemistry 1 semester Human Physiology	Recommended: 20 hours
Midwestern University College of Dental Medicine	1 semester Anatomy with lab 1 semester Microbiology with lab 1 semester Physiology 1 semester Biochemistry	Recommended: 100 hours
California		
Loma Linda University School of Dentistry	1 semester Biochemistry	Required: 20 hours
University of California, Los Angeles, School of Dentistry	1 semester Biochemistry 1 semester Introductory Psychology	Recommended
University of California, San Francisco, School of Dentistry	1 semester Biochemistry 1 semester Psychology	Recommended
University of the Pacific School of Dentistry	2 semesters upper level Biology (preferably 1 semester Anatomy included)	Required: 40 hours
University of Southern California School of Dentistry		Recommended
Western University of Health Sciences College of Dental Medicine		Required: 30 hours
Colorado		
University of Colorado School of Dentistry	1 semester Biochemistry 1 semester Microbiology	Recommended
Connecticut		
University of Connecticut School of Dental Medicine		Required: 50 hours
District of Columbia		
Howard University College of Dentistry	2 semesters Human Anatomy	Recommended: 100 hours

Florida		
Nova Southeastern University	A choice of two of the following science courses: Biochemistry, Cell & Molecular Biology, Genetics, Histology, Human or Comparative Anatomy, Microbiology, or Physiology	Recommended
University of Florida College of Dentistry	1 semester Biochemistry 1 semester Microbiology 1 semester Molecular Bio/Genetics 1 semester General Psychology	Recommended
Georgia		
Medical College of Georgia School of Dentistry		Required: 30 hours
Illinois		
Southern Illinois University School of Dental Medicine		Recommended: 30 hours
University of Illinois at Chicago	High consideration given to applicants who take three of the following upper level science courses: Human anatomy, Human physiology, Histology, Microbiology, Biochemistry, or Cell biology	Recommended: 100 hours
Indiana		
Indiana University School of Dentistry	1 semester Human or Mammalian or Comparative Anatomy with lab 1 semester Human or Mammalian or Cell Physiology 1 semester Biochemistry 1 semester Introductory Psychology	Required: 40 hours
Iowa		
University of Iowa College of Dentistry		Recommended
Kentucky		
University of Kentucky College of Dentistry		Required: 20 hours
University of Louisville	2 semesters of upper level biology. Choose from the following courses: Comparative anatomy or upper level Human anatomy; Physiology; Cell biology; Biochemistry; Histology; Microbiology; Immunology	Recommended
Louisiana		
Louisiana State University School of Dentistry	1 semester upper level Biology	Required: # hours not specified
Maryland		
University of Maryland Baltimore College of Dental Surgery	1 semester Biochemistry	Recommended

Massachusetts		
Boston University Goldman School of Dental Medicine	1 semester upper level Biology 2 semesters Mathematics with Calculus	Recommended
Harvard School of Dental Medicine	2 semesters Calculus	Recommended
Tufts University School of Dental Medicine	1 semester Biochemistry	Required: 30 hours
Michigan		
University of Detroit Mercy School of Dentistry		Required: # hours not specified
University of Michigan School of Dentistry	1 semester Biochemistry 1 semester Microbiology 1 semester Psychology 1 semester Sociology	Recommended
Minnesota		
University of Minnesota School of Dentistry	1 semester Biochemistry 1 semester Mathematics (College Algebra, Precalculus, Statistics, and Computer Science are acceptable) 1 semester Human Psychology	Required: 30 hours
Mississippi		
University of Mississippi School of Dentistry	2 semesters Advanced Biology or Chemistry 2 semesters Mathematics (College Algebra and Trigonometry or 1 semester of Calculus) 1 semester Statistics in addition to other math courses	Recommended: 40 hours
Missouri		
University of Missouri – Kansas City, School of Dentistry	1 semester Anatomy 1 semester Cellular Biology with lab 1 semester Physiology with lab	Required: 100-120 hours
Nebraska		
Creighton University School of Dentistry		Recommended: 40 hours
University of Nebraska College of Dentistry		Required: 35 hours
Nevada		
University of Nevada, Las Vegas, School of Dental Medicine	1 semester Biochemistry	Required: # hours not specified
New Jersey		
University of Medicine and Dentistry of New Jersey		Recommended: 25 hours
New York		
Columbia University College of Dental Medicine		Recommended
New York University College of Dentistry		Required: 100 hours
Stony Brook University School of Dental Medicine	2 semester Mathematics (at least 1 semester of Calculus)	Required: # hours not specified

University of Buffalo School of Dental Medicine		Recommended: 50 hours
North Carolina		
University of North Carolina at Chapel Hill School of Dentistry	1 semester Anatomy with lab	Required: # hours not specified
Ohio		
Case School of Dental Medicine		Recommended: 20 hours
Ohio State University College of Dentistry	1 semester Human Anatomy (gross or comparative) 1 semester Biochemistry 1 semester Microbiology 1 semester Physiology	Required: 20 hours
Oklahoma		
University of Oklahoma College of Dentistry	1 semester Biochemistry 1 semester Psychology	Required: 100 hours
Oregon		
Oregon Health & Science University School of Dentistry	1 semester Human Anatomy with lab 1 semester Biochemistry 1 semester Physiology with lab	Required: 50 hours
Pennsylvania		
University of Pennsylvania School of Dental Medicine	1 semester Biochemistry 1 semester Mathematics (Calculus preferred)	Required: # hours not specified
University of Pittsburgh School of Dental Medicine	1 semester Biochemistry	Required: 50 hours
The Maurice H. Kornberg School of Dentistry, Temple University		Recommended
Puerto Rico		
University of Puerto Rico School of Dentistry	2 semesters Social or Behavior al Science 4 semesters Spanish	Recommended
South Carolina		
Medical University of South Carolina, College of Dental Medicine	2 semesters advanced sciences (Suggested: Biochemistry, Microbiology, Genetics, or Anatomy) 2 semesters Mathematics	Recommended: 20 hours
Tennessee		
Meharry Medical College School of Dentistry		Recommended
University of Tennessee College of Dentistry	1 semester Biochemistry 1 semester of one of the following: Histology, Microbiology, or Comparative Anatomy	Required: 30 hours

Texas		
Baylor College of Dentistry (Texas A&M)	1 semester Biochemistry 1 semester of upper level Biology	Required: 16 hours
University of Texas Health Science Center at Houston Dental Branch	1 semester Biochemistry 2 semesters upper level Biology (in addition to Biochemistry)	Required: # hours not specified
University of Texas Health Science Center at San Antonio Dental School	2 semesters upper level Biology	Required: # hours not specified
Virginia		
Virginia Commonwealth University School of Dentistry	1 semester Biochemistry 1 semester Calculus or Statistics	Recommended: 150 hours
Washington		
University of Washington School of Dentistry	1 semester Biochemistry 1 semester Microbiology	Required: 100 hours minimum
West Virginia		
West Virginia University School of Dentistry		Required: 50 hours minimum
Wisconsin		
Marquette University School of Dentistry		Recommended