Medical School Math Requirements and Recommendations

All information in this document comes from the 2011-2012 Medical School Admission Requirements book (commonly known as the MSAR). Students should check the websites of the schools to which they plan to apply in order to confirm the requirements.

Please read the following important statement from the book mentioned above.

“While only a few medical schools require applicants to complete a specific course in mathematics, all schools appreciate that mathematical competence provides a strong foundation for understanding basic sciences. A working knowledge of statistics helps students fully grasp medical literature, and familiarity with computers is valuable, as well.” (from page 10 of the 2011-2012 MSAR)

The pages that follow organize schools by what math courses they require and recommend. Please remember that even if a school has no math requirements or recommendations, the quoted statement above still applies.

Some schools state their requirements or recommendations in terms of credit hours. Generally, one semester at Bates equals three credit hours.
**Required: No Math Coursework**

**Recommended: No Math Coursework**

University of Arizona College of Medicine
Loma Linda University School of Medicine (Intro to Basic Statistics recommended)
University of California, San Francisco, School of Medicine
Yale University School of Medicine
The George Washington University School of Medicine and Health Sciences
University of Florida College of Medicine
University of Miami Miller School of Medicine
Emory University School of Medicine
Medical College of Georgia School of Medicine (Statistics recommended)
Mercer University School of Medicine
Rosalind Franklin University of Medicine and Science Chicago Medical School
Loyola University Chicago Stritch School of Medicine
Northwestern University Feinberg School of Medicine (2 semesters of Statistics recommended)
Rush Medical College of Rush University
University of Illinois at Chicago College of Medicine
Indiana University School of Medicine
University of Kentucky College of Medicine
Louisiana State University Health Sciences Center School of Medicine in Shreveport
Tulane University School of Medicine
University of Maryland School of Medicine
Tufts University School of Medicine
University of Michigan Medical School
Wayne State University School of Medicine
Mayo Clinic College of Medicine Mayo Medical School
University of Minnesota Medical School (Statistics recommended)
Saint Louis University School of Medicine
University of Missouri – Kansas City School of Medicine
Creighton University School of Medicine
University of New Mexico School of Medicine
Albany Medical College
Columbia University College of Physicians and Surgeons
New York Medical College (1 semester of Statistics recommended)
New York University School of Medicine
University of Buffalo School of Medicine & Biological Sciences
State University of New York Downstate Medical Center College of Medicine
Stony Brook University School of Medicine
University of Rochester School of Medicine and Dentistry (Biostatistics recommended)
The Brody School of Medicine at East Carolina University (Biostatistics recommended)
University of North Carolina at Chapel Hill School of Medicine
Wake Forest University School of Medicine
Case Western Reserve University School of Medicine (2 semesters of Calculus required for Medical Scientist Training Program)
Required: No Math Coursework
Recommended: No Math Coursework
(continued from previous page)

The Ohio State University College of Medicine
University of Oklahoma College of Medicine
Drexel University College of Medicine
Temple University School of Medicine
San Juan Bautista School of Medicine
University of Puerto Rico School of Medicine
Medical University of South Carolina College of Medicine
University of South Carolina School of Medicine
East Tennessee State University James H. Quillen College of Medicine
University of Tennessee Health Science Center College of Medicine
Vanderbilt University School of Medicine
Baylor College of Medicine
University of Texas Medical School at Houston
Eastern Virginia Medical School
University of Virginia School of Medicine
Marshall University Joan C. Edwards School of Medicine
West Virginia University School of Medicine
**Required:** College Mathematics

**Recommended:** No Math Coursework

University of Alabama School of Medicine (6 hours required)
University of Colorado Denver School of Medicine (6 hours required)
Georgetown University School of Medicine (1 semester required)
Howard University College of Medicine (6 hours required)
Florida State University College of Medicine (6 hours required)
University of South Florida College of Medicine (2 semesters required)
Morehouse School of Medicine (2 semesters required)
University of Iowa Roy J. and Lucille A. Carver College of Medicine (1 semester required)
University of Kansas School of Medicine (1 semester required)
Michigan State University College of Human Medicine (1 semester required)
Oakland University William Beaumont School of Medicine (2 semesters required)
University of Missouri School of Medicine (3 hours required)
University of Medicine and Dentistry of New Jersey – Robert Wood Johnson Medical School (1 semester required, Statistics also recommended)
Albert Einstein College of Medicine of Yeshiva University (6 hours required)
Mount Sinai School of Medicine of New York University (2 semesters required)
University of North Dakota School of Medicine and Health Sciences (3 hours required)
University of Toledo College of Medicine (2 semesters required)
Ponce School of Medicine (6 hours required)
Virginia Commonwealth University School of Medicine (2 semesters required)
Required: College Mathematics
Recommended: Calculus

University of South Alabama College of Medicine (6 hours of College Mathematics required)
University of Arkansas College of Medicine (2 semesters of College Mathematics required)
University of California, San Diego, School of Medicine (8 hours of College Mathematics required)
University of Central Florida College of Medicine (6 hours of College Mathematics required, Statistics recommended)
University of Mississippi School of Medicine (6 hours of College Mathematics required, 3 hours of Calculus recommended)
Wright State University School of Medicine (2 semesters of College Mathematics required)
Oregon Health & Science University School of Medicine (1 quarter of College Mathematics required, 1 quarter of Calculus recommended, 1 quarter of Statistics recommended)
Pennsylvania State University College of Medicine (2 semesters of College Mathematics required)
Universidad Central del Caribe School of Medicine (6 hours of College Mathematics required)
Sanford School of Medicine of the University of South Dakota (2 semesters of College Mathematics required, Statistics recommended)
Meharry Medical College School of Medicine (3 hours of College Mathematics required)
Medical College of Wisconsin (4 hours of College Mathematics required)
University of Wisconsin School of Medicine and Public Health (1 semester of College Mathematics and 1 semester of Statistics required)
**Required: No Math Coursework**
**Recommended: Calculus**

Stanford University School of Medicine  
University of Chicago Division of the Biological Sciences, The Pritzker School of Medicine  
University of Massachusetts Medical School (2 semesters of Statistics also recommended)  
Weill Cornell Medical College (1 semester of Calculus and 1 semester of Statistics recommended)

**Required: No Math Coursework**  
**Recommended: Calculus and College Mathematics**

Keck School of Medicine of the University of Southern California  
University of Connecticut School of Medicine  
Louisiana State University School of Medicine in New Orleans  
University of Nevada School of Medicine  
State University of New York Upstate Medical University College of Medicine  
Northeastern Ohio Universities College of Medicine  
University of Cincinnati College of Medicine  
The Commonwealth Medical College  
University of Pennsylvania School of Medicine (Statistics also recommended)  
University of Pittsburgh School of Medicine  
University of Utah School of Medicine (1 semester of each recommended)

**Required: No Math Coursework**  
**Recommended: College Mathematics**

University of Hawaii John A. Burns School of Medicine  
Southern Illinois University School of Medicine (2 semesters recommended)  
Boston University School of Medicine (2 semesters of College Mathematics recommended, 1 semester of Biostatistics recommended)  
University of Medicine and Dentistry of New Jersey – New Jersey Medical School  
Jefferson Medical College of Thomas Jefferson University  
University of Vermont College of Medicine
**Required: Calculus**
**Recommended: No Math Coursework**

University of California, Davis, School of Medicine (2 quarters of Calculus and 1 quarter of College Statistics required)
University of California, Irvine, School of Medicine (1 semester of Calculus and 1 semester of Statistics required)
Johns Hopkins University School of Medicine (3-4 hours of Calculus required, 6-8 hours of Calculus/Statistics required)
Uniformed Services University of the Health Sciences F. Edward Hebert School of Medicine (3 hours required)
Harvard Medical School (2 semesters required)
Washington University School of Medicine (2 semesters required)
Dartmouth Medical School (3 hours required)
Duke University School of Medicine (1 semester of Calculus required, 1 semester of Statistics/Biostatistics recommended)
The Warren Alpert Medical School of Brown University (1 semester required)
Texas A&M University System Health Science Center College of Medicine (3 hours of Calculus and 3 hours of Math-based Statistics required)
Texas Tech University Health Sciences Center School of Medicine (3 hours of Calculus and 3 hours of Statistics required)
Paul L. Foster School of Medicine at Texas Tech University of Health Sciences Center at El Paso (3 hours required)
University of Texas Medical Branch at Galveston (1 semester required)
University of Texas School of Medicine at San Antonio (3 hours required)
University of Texas Southwestern Medical Center at Dallas Southwestern Medical School (1 semester required)
Virginia Tech Carilion School of Medicine (2 semesters required)
University of Washington School of Medicine (1 semester required)

**Required: Calculus and College Mathematics**
**Recommended: No Math Coursework**

University of California, Los Angeles, David Geffen School of Medicine (1 semester of Calculus and 2 semesters of College Mathematics required)

**Required: Calculus**
**Recommended: College Mathematics**

Florida International University Herbert Wertheim College of Medicine (2 semesters of Calculus and/or Statistics required)
University of Louisville School of Medicine (1 semester of Calculus required, 2 semesters of College Mathematics and 1 semester of Statistics recommended)
University of Nebraska College of Medicine (3 semesters of Calculus required)