

BS/MD and BA/MD Program

What is BS/MD and BA/MD Program?

BS/MD: Bachelor of Science (BS) and Doctor of Medicine (MD) degree

BA/MD: Bachelor of ARTs (BA) and Doctor of Medicine (MD) degree

- + BS/MD and BA/MD is an integrated/combined program, one type of direct medical program. These programs are only offered at few universities in the US.
- + BS/MD and BA/MD program is designed by selected undergraduate universities in partnership with an affiliated medical school to provide high school students with conditional acceptance into medical school. Students receive a Bachelor's degree and immediately enroll in the linked program to pursue their medical degree, considering they maintain the program requirements.
- + BS/MD and BA/MD program provides a streamlined path for students to earn both their undergraduate degree (a Bachelor of Science or Bachelor of ARTs) and their Doctor of Medicine (MD) degree. Typically, these are six to eight years programs.

What is BS/MD and BA/MD Program requirements?

- + BS/MD and BA/MD programs are
 - ✓ Highly competitive
 - ✓ Acceptance rate is very low
 - ✓ Take only 5-10 students per year
- + Applicants must have
 - ✓ High GPA and Rigorous high school courses
 - ✓ Strong SAT or ACT scores (includes Super-score)
 - ✓ Evidence of interest in STEM (Research/Internships)
 - ✓ Clinical exposure/Volunteering/Dr. Shadowing
 - ✓ Stellar extracurricular activities/awards
 - ✓ Solid letters of recommendation to matriculate






Key Takeaways

- ✚ BS/MD and BA/MD programs are a great way to bypass the medical school application process, get away with one application
- ✚ Students in BS/MD and BA/MD programs can build long and fruitful relationships with professors, staff, and peers
- ✚ BS/MD and BA/MD programs are a huge commitment that typically lasts seven or eight years
- ✚ Only a limited number of schools offer BS/MD and BA/MD programs

Planning ahead is going to be critical for success

- ✚ Try to take 6-8 AP classes to be a competitive applicant
- ✚ Make sure you take all three science courses: Biology, Chemistry, and Physics
- ✚ Get Research experiences, a few examples as below (not limited to)
 - ✓ [INSPIRE at Cedars-Sinai | Cedars-Sinai](#)
 - ✓ [BUGS Jr. Program - USC Bridge Institute](#)
 - ✓ [For High School Students | City of Hope](#)
 - ✓ [Research under University Professors \(CSUN, Pierce State/Community college...\)](#)
- ✚ Get Internships, a few examples as below (not limited to)
 - ✓ <https://westminsterclinic.org/home/volunteers/teen-healthcare-internship-application/>
 - ✓ <http://explorerpost911.com/wp/home/>
 - ✓ [Girls Who Code | Summer Immersion Program](#)
- ✚ Apply for few Scholarships and Awards (not limited to)
 - ✓ **PVSA (Presidential Volunteering Service Award)**
 - ✓ **NCWIT AiC Collegiate Award**
 - ✓ **Congressional Award**
- ✚ Giving back to the Community (Committed Volunteering), a few examples as below (not limited to)
 - ✓ Book Drive/Literacy Program thru African Library Project
 - ✓ Internation Sewa – Food /School Supplies/Cloth Drives
 - ✓ Fundraising for non-profit Organizations

The Most Popular Pre-Med Majors

-  Biology (including molecular biology, immunology, and microbiology)
-  Biochemistry (including biotechnology and genetics)
-  Chemistry
-  Neuroscience
-  Psychology

How Are BS/MD and BA/MD Programs Different from Traditional Med School?

	Traditional Med School	BS/MD Program
When to apply	During 3rd-4th year of undergrad or after undergrad if taking a gap year	During senior year of high school
Program length	8 years or more (4 undergrad + 4 medical school + any gap years)	6-8 years; accelerated programs may require summer classes
Medical school choices	Unlimited unless applying early assurance	Must attend the medical school associated with your undergraduate institution
Competitiveness	41.3% of applicants are accepted to med school	Acceptance rates at individual BS/MD programs are typically around 3% (other students may be deferred to standard application)
MCAT requirements	Test required to apply, score expectations vary by school, scores 511+ are typically considered competitive	MCAT is not required before applying to BS/MD; some programs require students to take the MCAT and meet a score requirement as part of their course of study
Cost	Cost for a full undergraduate degree plus medical school	Cost for a full undergraduate degree plus medical school; less expensive for accelerated programs (6-7 years)

Few Top Ranked BS/MD and BA/MD programs

- ❖ [BS/MD - Program in Liberal Medical Education \(PLME\)](#)
 - ✓ Undergraduate School: **Brown University (Ivy League)**
 - ✓ Medical School: **The Warren Alpert Medical School of Brown University**
 - ✓ Length: **8 years**
 - ✓ **Note:** PLME does not require its students to take the MCAT. The only academic requirement is that a minimum 3.0 GPA be maintained in biology courses.

- ❖ [BS/MD - Pre-Professional Scholars Program \(PPSP\) in Medicine](#)
 - ✓ Undergraduate School: **Case Western Reserve University (CWRU)**
 - ✓ Medical School: **Case Western Reserve University School of Medicine**
 - ✓ Length: **8 years**
 - ✓ Location: Cleveland, Ohio
 - ✓ **Note:** During their undergraduate years, students are expected to maintain a minimum 3.63 overall (and math and science) GPA. The MCAT is not required, and since PPSP is not accelerated, no summer coursework is necessary.

- ❖ [BS/MD - Guaranteed Admissions Program \(GAP\)](#)
 - ✓ Undergraduate School: **University of Pittsburgh**
 - ✓ Medical School: **University of Pittsburgh School of Medicine**
 - ✓ Length: **8 years**
 - ✓ **Note:** Undergrads in the GAP are required to maintain a 3.75 GPA in their undergraduate coursework and continue to seek out medically related experiences during their undergraduate years.

- ❖ [BA/MD - GW Columbian College of Arts and Sciences](#)
 - ✓ Undergraduate School: **George Washington University**
 - ✓ Medical School: **George Washington University School of Medicine and Health Sciences**
 - ✓ Length: **7 years**
 - ✓ **Note:** The program requires that you maintain a minimum 3.60 overall GPA and no grades of C or below in any science courses. You must also provide an MCAT practice exam score from an online MCAT review, but you are not required to take the official MCAT.

List of BS/MD and BA/MD Program

❖ Here are few the most common BS/MD program structures:

- ✓ [Complete List of BA/MD and BS/MD Programs \(theperfectmed.com\)](#)
- ✓ [Top 22 Combined BS/MD Programs in 2023 | CollegeVine Blog](#)

❖ List of **8 years** BS/MD programs (4 years college + 4 years medical school):

1. [Albany \(Union College, Sienna College\)](#)
2. [Baylor College of Medicine \(Baylor University, University of Houston/DeBakey High School, Xavier University, St. Mary's University\)](#)
3. [Brown Alpert Medical School PLME \(Brown University\)](#) : Program in Liberal Medical Education (PLME)
4. [Case Western Reserve University School of Medicine \(Case Western\)](#)
5. [Donald and Barbara Zucker School of Medicine at Hofstra/Northwell \(Hofstra\)](#)
6. Drexel (Drexel)
7. Florida Atlantic University (Florida Atlantic University, Florida A & M University)
8. [George Washington University \(St. Bonaventure University\)](#)
9. [Indiana University School of Medicine \(University of Evansville – Indiana residents only\)](#)
10. [Lewis Katz School of Medicine at Temple University \(Washington & Jefferson College\)](#)
11. Marshall University (Marshall University – West VA residents only)
12. Medical College of Georgia at Augusta (Augusta University – Georgia residents only)
13. [Mercer School of Medicine \(Mercer University – Georgia residents only\)](#)
14. Ponce Health Sciences University School of Medicine (Pontifical Catholic University of Puerto Rico, Universidad InterAmericana de Puerto Rico, Universidad Sagrado Corazon De Puerto Rico, Universidad Central de Bayamon, New Jersey Institute of Technology)
15. [Saint Louis University School of Medicine \(Saint Louis University\)](#)
16. [State University of New York Upstate Medical University Alan and Marlene Norton College of Medicine \(Adelphi University, Albany College of Pharmacy and Health Sciences, Hampton University, Purchase College Rochester Institute of Technology, SUNY Polytechnic Institute, SUNY, College of Environmental Science and Forestry, Spelman College, Syracuse University, University at Albany, Yeshiva University\)](#)
17. [SUNY Downstate Health Sciences University College of Medicine \(Brooklyn College\)](#)
18. [Renaissance School of Medicine at Stony Brook University \(Stony Brook University\)](#)
19. [Texas Tech \(Texas Tech – Texas residents only\)](#)
20. [University of Alabama \(University of Alabama\)](#)
21. [University of Cincinnati \(University of Cincinnati\)](#)
22. [University of Colorado \(University of Colorado – Colorado residents only\)](#)

23. University of Connecticut (University of Connecticut)
24. University of Illinois at Chicago (University of Illinois at Chicago – Illinois residents only)
25. University of Minnesota (University of Minnesota)
26. University of New Mexico (University of New Mexico – New Mexico Residents only)
27. [University of Pittsburgh \(University of Pittsburgh\)](#)
28. [University of Rochester – Rochester Early Medical Scholars – REMS \(University of Rochester\)](#)
29. [University of South Alabama \(University of South Alabama\)](#)
30. [Virginia Commonwealth University \(Virginia Commonwealth\)](#)
31. [Wayne State \(Wayne State\)](#)
32. [Western Michigan University Homer Stryker M.D. School of Medicine \(Albion College\)](#)

❖ List of **7 years** BS/MD programs 7 years (3 years college + 4 years medical school):

1. [Albany \(Rensselaer Polytechnic Institute\)](#)
2. [Florida Atlantic University \(Florida Atlantic University, Florida A & M University\)](#)
3. [George Washington University School of Medicine \(George Washington University\)](#)
4. [Rutgers New Jersey Medical School \(Caldwell University; Drew University; New Jersey Institute of Technology \(NJIT\); Rutgers University-Newark; Stevens Institute of Technology; St. Peters University; The College of New Jersey \(TCNJ\)](#)
5. [Sidney Kimmel College of Medicine at Thomas Jefferson University \(Penn State University\)](#)
6. [University of Arizona Accelerated Pathway to Medical Education \(APME\)](#)
7. ON HOLD 2023 – 2024: University of Nevada (University of Nevada, Reno)
8. University of Central Florida College of Medicine (Burnett Honors College Medical Scholars Program)
9. University of Florida College of Medicine (University of Florida)
10. [Morsani College of Medicine \(Judy Genshaft Honors College at USF\)](#)

❖ List of **6 years** BS/MD programs (2 years college + 4 years medical school):

- Howard University College of Medicine (Howard University)
- University of Missouri in Kansas City (University of Missouri in Kansas City - UMKC)

Program Name	MCAT Required?	State	Program Length	Minimum GPA	Minimum Test Scores
University of Alabama/UAB School of Medicine	No	AL	8 years	3.6	

University of Arizona / College of Medicine -Tucson	No	AZ	7 to 8 years		
California Northstate University/CNU College of Medicine	Yes, 510 or higher required for priority interview	CA	7 to 8 years		
University of Colorado Denver/ University of Colorado School of Medicine	No	CO	8 years	3.5	ACT 27 SAT 1185 (Evidenced-Based Reading, and Writing + Math)
University of Connecticut/ UConn School of Medicine	Yes, minimum score in 80th percentile rank; no subtest scores below 55th percentile rank	CT	8 years	3.6	
Florida Atlantic University/ The Schmidt College of Medicine	No	FL	7 to 8 years	4.3 (Weighted)	ACT 33 SAT 1490
Florida International University/ Herbert Wertheim College of Medicine	Not Specified	FL	7 Years	3.7	ACT 31 SAT 1350
Augusta University/Medical College of Georgia	Yes	GA	7 to 8 years	3.7	ACT 32 SAT 1450
University of Illinois Chicago Guaranteed Professional Program	Yes	IL	8 years		ACT 28
Indiana State University/Indiana University School of Medicine (open to residents of rural Indiana only)	Yes, minimum score must meet the mean	IN	8 years	3.5	ACT 27

	score of the previous year's matriculants				SAT 1270 (Evidenced-Based Reading, and Writing + Math)
University of Evansville/IU School of Medicine Evansville	Yes	IN	8 years	4	ACT 29 SAT 1360
Grambling State University/Meharry Medical College (open to Black/African-American students only)	Yes, score must meet the current minimum MCAT score (changes yearly)	LA	7 to 8 years	3.25	
Wayne State University/ Wayne State School of Medicine	Yes, successfully complete the MCAT with a score no less than the 70th percentile	MI	8 years	3.5	ACT 28 SAT 1310
Missouri Southern State University/Kansas City University	No	MO	7 years	3.7	ACT 28 SAT 1310
St. Louis University/SLU School of Medicine (does not offer guaranteed admission to the school of medicine but does increase chances of acceptance)	Yes, a score of at least 508 must be achieved.	MO	8 years		
University of Missouri-Kansas City/UMKC School of Medicine	No	MO	6 years		ACT 24 SAT 1160
Caldwell University/Rutgers New Jersey Medical School	Yes, students must receive a competitive score	NJ	7 years	3.5	SAT 1470 (Critical Reading and Math)

Caldwell University/St. George's University	No	NJ	7 years	3.5	SAT 1270
The College of New Jersey/Rutgers New Jersey Medical School	Yes, no minimum score required	NJ	7 years	3.8	ACT 30 SAT 1400 (Evidence-Based Reading & Writing, and Math sections)
Drew University/Rutgers New Jersey Medical School	Yes, no minimum score required	NJ	7 years	3.8	ACT 34 SAT 1500 (Verbal and Math)
Monmouth University/St. George's University School of Medicine	Yes	NJ	8 years	3.4	ACT 30
Montclair University/Rutgers New Jersey Medical School	Yes, students must receive a competitive score	NJ	8 years	3	SAT 1100 (Evidenced-Based Reading, and Writing + Math)
New Jersey Institute of Technology/Rutgers New Jersey Medical School	Yes, students must receive a competitive score	NJ	7 years	3.6	ACT 33 SAT 1490
Rowan University/Cooper Medical School	Yes	NJ	7 years		
Rutgers University/Rutgers New Jersey Medical School	Yes, students must receive a competitive score	NJ	7 years		ACT 32 SAT 1400 (Evidenced-Based Reading, and Writing + Math)

University of New Mexico School/ University of New Mexico School of Medicine	Yes	NM	8 years		ACT – Math 22, Reading 19, Science 19, English 19 SAT – Math 540, Reading 410
Albany College of Pharmacy and Health Sciences/ SUNY Upstate Medical University	No	NY		90% average minimum	ACT 31 SAT 1360
Brooklyn College/SUNY Downstate College of Medicine	Yes, a minimum score of 509	NY	8 years		
The City College of New York/CUNY School of Medicine	No	NY	7 years		
Hofstra University/Donald and Barbara Zucker School of Medicine (for underrepresented in medicine (URM) and economically disadvantaged pre-med students)	Yes, a score equivalent to or greater than the 80th percentile at the first sitting must be achieved	NY	8 years	3.7	ACT 32 SAT 1410 (Evidenced-Based Reading, and Writing + Math)
Purchase College/ SUNY Upstate Medical University	No	NY		90% average minimum	ACT 25 SAT 1200
Rensselaer Polytechnic Institute/Albany Medical College	No	NY	7 years	3.5	ACT (No minimum) SAT (No minimum)
Siena College/Albany Medical College	No	NY	8 years		ACT 30 SAT 1360

St. Bonaventure University/George Washington University School of Medicine	Yes	NY	8 years	3.6	ACT 30 SAT 1390 (Evidenced-Based Reading, and Writing + Math)
Stony Brook University	Yes	NY	8 years	3.8	SAT 1490
SUNY Polytechnic Institute, SUNY College of Environmental Science and Forestry/ SUNY Upstate Medical University College of Medicine	No	NY	8 years	3.5	ACT 25 SAT 1200
Syracuse University/ SUNY Upstate Medical University	No	NY	8 years	3.5	ACT 29 SAT 1360
Union College/Albany Medical College	No	NY	8 years		ACT 30 SAT 1410
University at Albany/ SUNY Upstate Medical University	No	NY	8 years	90% average minimum	ACT 29 SAT 1360
University of Rochester/ University of Rochester School of Medicine and Dentistry	No	NY	8 years		
Case Western Reserve University/Case Western Reserve's School of Medicine	No	OH	8 years		

University of Cincinnati/University of Cincinnati School of Medicine	Yes	OH	8 years	3.5	ACT 29 SAT 1300 (excluding writing portion)
University of Toledo/University of Toledo College of Medicine and Life Sciences (guaranteed medical school interview if requirements are met; not a guaranteed acceptance)	Yes, a score in the 65th percentile or greater guarantees an interview	OH	7, 8, or 9 years	3.5	ACT 28 SAT 1310
The University of Oklahoma/ University of Oklahoma College of Medicine	Yes, a score equal to or higher than the average	OK	7 to 8 years		
University of Tulsa/ University of Oklahoma College of Medicine	Yes, achieve a score that matches the average result achieved by incoming enrollees.	OK	8 years	4	Typically a score in the top 5% on either test.
Drexel University/Drexel University College of Medicine	Yes, a score of 511 or a total of 513 with no section score less than 127	PA	8 years	3.5	ACT 32 SAT 1420
Penn State/Sidney Kimmel Medical College	Yes, a score of 508 or more	PA	7 years		
Temple University/Lewis Katz School of Medicine	Not Specified	PA	7 years		ACT 28 SAT 1273 (Verbal and Math)

University of Pittsburgh/University of Pittsburgh School of Medicine	Only required if student is accepted without an SAT or ACT score, score is only used for advising (not admission) purposes	PA	8 years		ACT 34 SAT 1490
Brown University/Warren Alpert Medical School	No	RI	8 years		
Baylor University/Baylor College of Medicine	No	TX	8 years	3.7	ACT 32 SAT 1430
Texas Tech University/ Texas Tech University Health Sciences Center School of Medicine	No	TX	8 years		ACT 30 SAT 1360
George Washington University/GW School of Medicine and Health Sciences	No, but they do require an MCAT practice exam score	Washington, D.C.	7 to 8 years		
Howard University College of Medicine	Yes, 504 minimum required	Washington, D.C.	6 years	3.5	ACT 28 SAT 1300