Medical Colleges

The following New York schools offer either a Doctor of Osteopathic Medicine (DO) or Doctor of Medicine (MD) degree.

- Albany Medical College
- Columbia University – Vagelos College of Physicians and Surgeons
- Donald & Barbara Zucker School of Medicine at Hofstra/Northwell
- New York Institute of Technology College of Osteopathic Medicine
- New York Medical College
- NYU Robert I. Grossman School of Medicine
- Icahn School of Medicine at Mount Sinai
- Stony Brook University – Renaissance School of Medicine
- Touro College of Osteopathic Medicine
- Jacobs School of Medicine and Biomedical Sciences, University at Buffalo
- University of Rochester – School of Medicine and Dentistry
- Upstate Medical University
- Joan & Sanford I. Weill Medical College of Cornell University
- Albert Einstein College of Medicine

**Required Courses:**

1. Medical schools expect candidates to have taken a rigorous course load, demonstrating willingness to challenge themselves. Students do not need to major in STEM disciplines, but must complete the following courses.
   - BIOL 105 and BIOL 106 (General Biology I & II)
   - BIOL 285 (Principles of Genetics)
   - CHEM 113 and CHEM 114 (General Chemistry I & II)
   - PHYS 121 and PHYS 122 OR PHYS 145 and PHYS 146 (General Physics I & II)
   - CHEM 251 and CHEM 252 (Organic Chemistry I & II)
   - CHEM 371 and CHEM 376 (Biochemistry with lab)
   - BIOL 230, PSYCH 217, OR DATA 205 (Social Statistics)
   - MATH 141 (Calculus I)
   - Two courses of writing intensive English

2. **Recommended Courses:** Medical schools suggest that students take several courses from the list below, to be competitive.
   - BIOL 201 (General Microbiology)
   - BIOL 286 (Cell Biology)
   - BIOL 685 and BIOL 685 (Anatomy & Physiology I and II)
   - BIOL 360 (Vertebrate Histology)
   - BIOL 365 (Developmental Biology)
   - BIOL 710 (Molecular Biology)
   - BIOL 373 (Neurobiology)
   - BIO 350 (Molecular Genetics)
   - BIO 666 (Immunology)
   - BIO 668 (The Biology of Cancer)
   - BIO 685 (Development of Nervous System)
   - BIO 717 (Virology)
   - CHEM 372 (Biochemistry II)
   - CHEM 376 (Biochemistry Laboratory)
   - Four courses in Social Sciences (Anthropology, Psychology, Sociology, and Urban Studies, preferably with emphases on the U.S. health care system)
   - Two courses in Humanities (Art, Ethics, History, Philosophy, etc.)

**Miscellaneous Requirements**

- Bachelor’s degree
- Research experience
- Overall and science GPA of greater than 3.7
- Medical College Admissions Exam (MCAT)
- CASPer™: computer-based assessment for sampling noncognitive skills and interpersonal characteristics
- Clinical experience: EMT, nurse aid, scribing, etc.
- Volunteering in community and altruistic endeavors
- Demonstrated leadership
- Committee letter or three letters of recommendation

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1. – This list is based on and derived from admission requirements at the aforementioned schools for 2019–2020. Exact prerequisites may vary and must be verified with individual schools.

2. – Requirements differ between programs and must be verified. MCAT must be taken within three years of application.