

Medical School Requirements

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Albany Medical College

Link to website: http://www.amc.edu/academic/Undergraduate_Admissions

Requirements:

- Successful completion of a minimum three years college work (90 semester hours or 135 quarter hours) completed in an accredited college or university, preferably in this country or Canada.
- Successful completion of one year of each of the following with related laboratory experience:
 - General biology or zoology
 - General chemistry
 - Organic chemistry
 - Physics
- Submission of results of the Medical College Admission Test (MCAT)
- Submission of letters of recommendation. The Admissions Committee prefers a composite letter from a premedical advisor or committee. For students attending schools that do not provide this service, individual letters from faculty may be substituted.
- Ability to meet the Minimum Technical Standards for Matriculation.
- Compliance with New York State and Occupational and Safety Health Administration (OSHA) immunization requirements.
- Albany Medical College reserves the right to change entrance requirements at the beginning of any academic year without formal published notice.

Albert Einstein College of Medicine – Yeshiva University

Link to website: <http://www.einstein.yu.edu/education/md-program/admissions/application-procedure/course-requirements.aspx>

Requirements:

- Applicants should have at least three years of study toward a baccalaureate degree from an accredited college or university in the U.S. or Canada as well as the following course work for which letter grades are available (not Pass/Fail, unless college policy):
 - One year, including laboratory instruction, of each of the following:
 - Biological Sciences
 - General Chemistry
 - Organic Chemistry
 - Physics
- There are acceptable alternatives to the traditional one-year organic chemistry sequence, e.g. one semester of biochemistry can substitute for the **second** semester of organic chemistry **and** one year of:
- College-Level Mathematics (Statistics and Computer Science are acceptable)
 - English

Baylor College of Medicine

Link to website: <http://www.bcm.edu/admissions/admissionsrequirements>

Requirements:

- One year, including labs:
 - Chemistry (General)
 - Chemistry (Organic)
 - Biology
- One year:
 - English

Boston University School of Medicine

Link to website: <http://www.bumc.bu.edu/admissions/>

Requirements:

- English Composition or Literature (1 year)
- Humanities (1 year)
- Biology with Lab (1 year)
- Physics (1 year)
- Chemistry Sequences: Applicants may meet our chemistry requirement in any of the following ways, as long as the sequence chosen meets the chemistry requirements of the undergraduate institution:

| | General Chemistry with Lab | Organic Chemistry with Lab | Biochemistry |
|----------|-------------------------------|-------------------------------|--------------------------|
| Option 1 | 2 Semesters | 2 Semesters | 1 Semester (recommended) |
| Option 2 | 2 Semesters | 1 Semester | 1 Semester |
| Option 3 | 1 Semester | 2 Semesters | 1 Semester |

Brown University

Link to website: <http://brown.edu/academics/medical/admission/admission-requirements-and-criteria>

Requirements:

- Biology, 2 courses (lab experience recommended)
- Chemistry, 2 courses Inorganic chemistry, 1 course of Organic
- Physical Sciences, 2 course sequence of topics in mechanics, heat, electricity, optics and radiation physics
- Quantitative Reasoning, 1 course in Calculus (or comparable course)
- Social and Behavioral Sciences, 2 courses in the study of human behavior, preferably in anthropology, sociology, psychology, economics, or political science

Recommended:

- Chemistry, 1 course in Biochemistry
- Physical Sciences, 1 course in Genetics
- Quantitative Reasoning, 1 humanities course
- English, 1 course in college English

Case Western Reserve University School of Medicine

Link to website: <http://casemed.case.edu/admissions/>

Requirements:

- Biology - Students ordinarily satisfy this requirement if they've taken a one-year biology course, including labs, that stresses molecular and quantitative concepts. Courses in taxonomy, botany and ecology will not satisfy this requirement.
- General/Inorganic and Organic Chemistry - Students normally meet this requirement if they've completed a one-year course in basic chemistry with labs and a one-year course in organic chemistry with labs.
- Basic Physics- Students generally satisfy this requirement if they've taken a one-year course in physics with labs.
- Writing skills- Students typically meet this requirement if they've taken one semester of an introductory course in expository writing. The committee will consider other courses that required extensive writing, however.
- Biochemistry- A course in biochemistry **is required** of all students applying to the **Cleveland Clinic Lerner College of Medicine Track**. It is **not required** (although highly recommended) for those applying to the **University Track and MSTP**.
- **Calculus** - One year of college Calculus **is only required** for students applying to the **Medical Scientist Training Program**.

Central Michigan University School of Medicine

Link to website: <http://www.cmich.edu/academics/medicine/admissions/Pages/default.aspx>

Requirements:

- Biology, two semesters (including labs)
- Organic Chemistry, two semesters (including labs) -OR- Organic Chemistry, one semester and Biochemistry, one semester (including labs)

The college courses that are **recommended** for preparation for the College of Medicine curriculum and/or the MCAT include:

- Inorganic Chemistry
- Biochemistry
- Physics
- Behavioral Sciences (psychology, sociology, anthropology)
- Medical Humanities
- Communications
- Ethics
- Biostatistics

Columbia University College of Physicians and Surgeons

Link to website: <http://ps.columbia.edu/education/admissions>

Requirements:

- At least three full academic years at an accredited college in the U.S. or Canada.
 - One year of English
 - One year of Biology with labs
 - One year of Physics with labs
 - Two years of Chemistry, one of which must be Organic Chemistry, both with labs

The Commonwealth University Medical College

Link to website: <http://www.thecommonwealthmedical.com/Admissions>

Requirements:

- General Biology with laboratory (1 year/2 semesters)
- General Inorganic Chemistry with laboratory (1 year/2 semesters)
- Organic Chemistry with laboratory (1 year/2 semesters)
- General Physics with laboratory (1 year/2 semesters)
- English and English Composition (1 semester)

Cooper Medical School – Rowan University

Link to website: <http://www.rowan.edu/coopermed/students/admissions/prerequisites.php>

Requirements:

- Biology or Zoology (with lab) 8 credits
- General/Inorganic Chemistry (with lab) 8 credits
- English or Composition 3 credits

Recommended:

- Physics with lab 8 credits
- Organic Chemistry with lab 8 credits
- Behavioral science 3 credits
- Ethics 3 credits

- Biostatistics
- Humanities 6 credits
- Biochemistry 3 credits
- Spanish 6 credits

Creighton University School of Medicine

Link to website: <http://medschool.creighton.edu/medicine/oma/index.php>

Requirements:

- Biology (with lab) 8 credits
- Chemistry, Inorganic (with lab) 8 credits
- Chemistry, Organic (with lab) 8-10 credits
- English (coursework with stress on composition) 6 credits
- Physics (with lab) 8 credits

Strongly Recommended Courses:

- Biochemistry 4 credits
- Genetics 4 credits
- Molecular Biology 4 credits

Dartmouth University – Geisel School of Medicine

Link to website: <http://geiselmed.dartmouth.edu/>

Requirements:

- One year (8 semester hours or equivalent) of general biology and general physics. Two years (16 semester hours or equivalent) of chemistry, which must include one semester (or equivalent) of organic chemistry and one semester (or equivalent) of biochemistry. The biochemistry requirement may be substituted with a second semester of organic chemistry for applicants entering in 2013, but is required for entry starting 2015.
- One half-year (3 semester hours or equivalent) of college-level mathematics, including either calculus or statistics
- Facility in written and spoken English.
- Three years of post-secondary study at US and/or Canadian colleges or universities with a broad range of study that introduces students to the sciences and humanities, preparing students to understand both the scientific basis of medicine and human behavior and society.
- Students are encouraged to major in a field of particular interest and, if possible, to pursue independent investigations in that field.

Drexel University College of Medicine

Link to website: <http://www.drexelmed.edu/Home/Admissions/MDProgram.aspx>

Requirements:

- General Chemistry (with lab) 2 semesters
- Organic Chemistry (with lab) 2 semesters
- Biology (with lab) 2 semesters
- Physics (with lab) 2 semesters
- English 2 semesters

Duke University School of Medicine

Link to website: http://dukemed.duke.edu/modules/flash_articles/

Requirements:

- Admission requires at least 90 hours of approved college credit, including:
 - A minimum of 1 semester of general chemistry with lab

- A minimum of 1 semester of organic chemistry with lab
- A minimum of 1 semester of biochemistry (lab optional)
- One year of biology with lab; a course in cell and/or molecular biology is strongly recommended
- One year of college English or a university writing course
- One year of physics with lab
- One semester of calculus plus one semester of an additional college-level math, statistics or biostatistics are strongly recommended

East Carolina University

Link to website: <http://www.ecu.edu/bsomadmissions>

Requirements:

- General Biology or Zoology with laboratory (Botany alone is not sufficient to meet this requirement),
- General Chemistry with laboratory (which must include both qualitative and quantitative analysis),
- Organic Chemistry with laboratory,
- Physics with laboratory, and
- English (or writing intensive courses)

East Tennessee State University

Link to website: <http://www.etsu.edu/com/sa/admissions/requirements/academicreq.aspx>

Requirements:

- General Chemistry (with labs) 8 credits
- Organic Chemistry (with labs) 8 credits
- Physics (with labs) 8 credits
- Biology (with labs) 8 credits
- Communication Skills 9 credits
- Course Electives 49 credits

East Virginia Medical School

Link to website: <http://www.evms.edu/md-programs/md-programs-home.html>

Requirements:

- Biology (with lab) 1 year
- General chemistry (with lab) 1 year
- Organic chemistry (with lab) 1 year
- Physics (with lab) 1 year

Emory University School of Medicine

Link to website: http://med.emory.edu/main/education/admissions/md/how_to_apply/application_requirements.html

- Minimum course requirements:
 - 8 semester hours (with lab) in biology
 - 8 semester hours (with lab) in general or inorganic chemistry
 - 8 semester hours (with lab) in organic chemistry
 - 8 semester hours (with lab) in one of the physical sciences
 - 6 semester hours of English
 - 18 semester hours of humanities and social and/or behavioral sciences

Florida Atlantic University

Link to website: <http://med.fau.edu/admissions/index.php>

Requirements:

- English, 2 semesters
- Inorganic Chemistry plus lab, 2 semesters
- Organic Chemistry plus lab, 2 semesters
 - 1 semester of Biochemistry may be substituted for the second semester of Organic Chemistry
- Physics plus lab, 2 semesters
- Biology/Zoology plus lab, 2 semesters
- Mathematics, 2 semesters
- Additional Science, 2 semesters
 - May be fulfilled with courses in the Natural Sciences, Mathematics, or Social Sciences

Florida International University

Link to website: <http://medicine.fiu.edu/admissions/md/index.html>

Requirements:

- General Biology with laboratory: 2 semesters
- General Inorganic Chemistry with laboratory: 2 semesters
- Organic Chemistry with laboratory: 2 semesters
- Physics with laboratory: 2 semesters
- Mathematics: 2 semesters of Calculus, 2 semesters of Statistics, or 1 semester of each
- English and English Composition: 2 semesters
- Demonstrated proficiency in spoken and written English

Florida State University

Link to website: <http://med.fsu.edu/?page=mdAdmissions.home>

Requirements:

- College English, 6 credits
- College Mathematics, 6 credits
- Biology, with lab, 8 credits
- Inorganic/General Chemistry, with lab, 8 credits
- Organic Chemistry, with lab, 8 credits
- Physics, with lab, 8 credits
- Biochemistry, 3 credits
 - 1 credit of Biochemistry lab is preferred but not required

Recommended:

- Genetics, 3 credits
- Psychology, 3 credits
- Spanish, 3 credits

George Washington University

Link to website: <http://smhs.gwu.edu/academics/md/admissions>

Requirements:

- Have completed or plan to complete:
 - 6 credits of English
 - 6 credits of lecture and 2 credits of lab in each of the following sciences: Biology (not Botany or Ecology courses), General Chemistry, Organic Chemistry, and Physics

Georgetown University School of Medicine

Link to website: <http://som.georgetown.edu/prospectivestudents/degrees/md/>

Requirements:

- Inorganic Chemistry – 1 year
- Organic Chemistry – 1 year
- Biology – 1 year
- Physics – 1 year
- Mathematics (college level) – 1 semester
- English (college level) – 1 year

Georgia Health Sciences University

Link to website: <http://www.georgiahealth.edu/medicine/admit>

Requirements:

- Biology
 - One academic year of general biology or zoology with lab
- Chemistry
 - One academic year of general/inorganic chemistry with lab
 - One academic year of advanced chemistry, one semester of which must be organic chemistry with lab. The other semester may be fulfilled by any advanced chemistry course (lab not necessary).
 - Biochemistry is strongly recommended.
- Physics
 - One academic year of physics with lab
- English
 - One academic year of English or whatever portion in the academic year is required for the baccalaureate degree in an accredited college or university.

Recommended:

- Cellular biology and statistics
- All required courses should be taken on a graduated grading scale (e.g., A, B, C, D, F) when possible. A pass/fail type system should not be used.
- Advancement Placement (AP) credits are acceptable, on the basis that the credits are accepted by a accredited college and appear on its official transcript.

Harvard Medical School

Link to website: <http://hms.harvard.edu/content/admissions>

Requirements:

- **Biology:** One year with laboratory experience is the minimum requirement. Courses taken should deal with the cellular and molecular aspects as well as the structure and function of living organisms. Advanced placement credits cannot be used to satisfy this requirement; upper level courses should be taken if students have been granted advanced placement credits.
- **Chemistry:** Two years with laboratory experience is the minimum requirement. Full-year courses in general (or inorganic) and organic chemistry generally meet this requirement. A one-semester course in organic chemistry that covers the relevant material supplemented by a semester course in biochemistry may substitute for the traditional year of organic chemistry. We will consider other options that adequately prepare students for the study of biochemistry and molecular biology in medical school.
- **Physics:** One year is the minimum requirement. Advanced placement credits that enable a student to take an upper-level course may be used to meet one semester of this requirement.
- **Mathematics:** One year of calculus is the minimum requirement. Advanced placement credits may satisfy this requirement (Calculus AB = 1 semester, Calculus BC = 2 semesters).

- **Expository Writing:** Writing skills are important for the study and practice of medicine. This requirement may be met with any non-science courses that involve substantial experience in expository writing. Advanced placement credits cannot be used to satisfy this requirement.
- **Additional requirements for the HST Program:** In addition to all the above requirements, the HST curriculum requires that students be comfortable with upper-level mathematics (through differential equations and linear algebra), biochemistry, and molecular biology. This is usually demonstrated through upper level course work, but other approaches may satisfy these requirements. In addition, one year of calculus-based physics in college is required. We will consider other course formats or combinations that are sponsored by the undergraduate institution attended and provide equivalent preparation. When advanced placement credits used to satisfy portions of the chemistry, physics, or mathematics requirements noted above, scores from the AP examination must be submitted prior to matriculation. If these scores are not shown on the college transcript, an AP score report will be required before matriculation.

Recommended Courses:

- We encourage candidates to complete at least 16 hours in literature, languages, the arts, humanities, and the social sciences and become familiar with computers. We also recommend honors courses and independent study or research, as they offer in-depth exploration of an area of knowledge.

New Course Requirements (optional for students applying to enter in 2011 or beyond; the following requirements will become mandatory for students applying to enter in 2016 and beyond):

The requirements for medical school have remained basically unchanged for many decades, despite the obvious change in medical knowledge (e.g., about disease mechanisms and our understanding of drug actions), the pace of new discovery, and the permeation of biochemistry, cell biology, and genetics into most areas of medicine. Therefore, adequacy of preparation in the preclinical sciences requires acquisition of more information than in the past. At present, pathophysiology and pharmacology require detailed knowledge of molecular targets and biochemical mechanisms, and modern cell biology has become the language of medical disciplines such as pathology, oncology, cardiology, and neurology. Interdisciplinary courses that break down the barriers among, demonstrate complementary concepts of, and highlight collective wisdom in, biology, chemistry, physics, and mathematics are encouraged. In short, a focus on integration of principles over several courses should be emphasized.

Requirements for entering class 2016 and beyond:

- **Biology:** The required 1-year biology course should be devoted to genetics and cell biology and should emphasize human biology (signal transduction, basic pharmacologic principles, homeostasis and feedback, an introduction to hormone receptors, neuronal signaling, and immunology). Because biology is the most elegant expression of chemistry, physics, and mathematics, computational skills that tie these previously separate disciplines together should be emphasized.

The focus on genetics should include nucleic acid structure and function, genetic recombination, and mechanisms of gene expression in eukaryotic and prokaryotic cells, i.e., molecular biology/genetics); the study of cell biology should include subcellular organization, differentiation, cellular metabolic function, energy transfer, structure-function relationships, reproduction, and membrane properties. Preparation in biology should place more of an emphasis on human biology and on principles of systems biology.

Although a formal year-long course that covers these concepts will meet this requirement, other innovative approaches (including interdisciplinary courses taught together with biologically relevant physical sciences) that allow students to master these “competencies,” independent of discrete courses and semester time commitments, are encouraged and will be considered. Advanced placement credits cannot be used to satisfy this requirement; upper level courses should be taken if students have been granted advanced placement credits.

- **Chemistry:** Students should be exposed to general chemistry, organic chemistry, and biochemistry in a 2-year sequence that provides the foundation for the study of biologically relevant chemistry. Organic chemistry preparation should be woven seamlessly with basic principles of biochemistry (especially protein structure and function).

Without an increase in the two-year requirement in chemistry, the premedical chemistry curriculum should focus on more biologically relevant areas of general and organic chemistry. General chemistry preparation should

include foundational topics in physical and inorganic chemistry such as bonding, molecular structure, chemical reactivity, equilibrium, energetics, and thermodynamics. Organic chemistry preparation should be woven seamlessly with basic principles of biochemistry (especially protein structure and function). Instead of two semesters of organic chemistry, the second of which is devoted primarily to organic synthesis, both biologically relevant organic chemistry and biochemistry should be covered during these two semesters. Whereas, previously, biochemistry had not been a formal requirement, completion and mastery of biochemistry will be expected of matriculants going forward. Many possible course sequences can be used to satisfy this requirement, but an integrated sequence that includes biologically relevant general, organic, and biochemistry is preferred. Although a formal two-year course sequence that covers these concepts will meet the chemistry requirement, other innovative approaches (including interdisciplinary courses taught together with human biology) that allow students to master these “competencies,” independent of discrete courses and semester time commitments, are encouraged and will be considered.

- **Physics:** In the area of physics, students should be well prepared in biologically relevant areas of mechanics, kinetics, thermodynamics, the properties of matter (quantum theory) and wave theory, electricity and magnetism, and optics. Ordinarily, this requirement is accomplished most readily by a year-long course in physics. Although a formal year-long course that covers these concepts will meet the physics requirement, other innovative approaches (including interdisciplinary courses taught together with biology and biologically relevant physical sciences) that allow students to master these “competencies,” independent of discrete courses and semester time commitments, are encouraged and will be considered.
- **Laboratory Experience:** Required laboratory components of biology and chemistry are no longer defined as discretely as they were in the past. Lengthy laboratory components of the required science requirement courses are not necessarily time well and efficiently spent. Proper focus on hypothesis-driven exercises, problem solving, and hands-on demonstrations of important principles should take precedence over lengthy laboratory time commitments that steal time away from other, more productive educational opportunities. Active, sustained participation in faculty-mentored laboratory research experiences is encouraged and can be used to meet requirements for the acquisition of laboratory skills.
- **Computational Skills/Mathematics**
- **Analytical and writing skills/Expository Writing:** Creative, complex, and compelling discoveries in medicine, as in other fields, involve grappling with good questions borne from close-reading analyses and careful observations. Therefore, effective courses in science and nonscience disciplines should focus on analytical and writing skills. In addition, at a minimum, HMS matriculants should have one year of critical writing/thinking preparation, preferably in a course devoted specifically to the development of expository writing skills. Specific skills students may be expected to master and apply to the fields of medicine and scientific inquiry include the following:
 - a. Writing logically and with clarity and style about important questions across disciplines.
 - b. Articulating persuasively, both on paper and in oral presentations, focused, sophisticated, and credible thesis arguments.
 - c. Appreciating the methodologies that particular disciplines apply for understanding and communicating results effectively.
 - d. Approaching evidence with probity and intellectual independence.
 - e. Using source material appropriately with scrupulous and rigorous attribution.Although a specific expository writing course meets this requirement most directly and optimally, potentially, these skills can be honed in a science or nonscience course that requires extensive expository writing. Advanced placement credits cannot be used to satisfy this requirement.
- **Language:** Because effective communication among the medical care team and between physicians and patients is so crucial to the delivery of care, all matriculants should be fluent and have a nuanced facility in English. Mastery of a foreign language, although not required, is a valuable skill that expands intellectual and cultural horizons and that reinforces preparation for patient care in a multicultural society.
- **Additional Requirements for the HST Program:** In addition to all the above requirements, the HST curriculum requires that students be comfortable with upper-level mathematics (through differential equations and linear algebra), biochemistry, and molecular biology. This is usually demonstrated through upper level course work, but

other approaches may satisfy these requirements. In addition, one year of calculus-based physics in college is required.

Hofstra University

Link to website: <http://medicine.hofstra.edu/admission/index.html>

Requirements:

- One year of college Biology with Lab
- Chemistry, to the level of organic or biochemistry
- One year of college Mathematics, preferably including Statistics
- One year of college Physics
- English Literature or Equivalent, including Writing

Indiana University

Link to website: <http://admissions.medicine.iu.edu/applying-to-the-iu-school-of-medicine/>

Requirements:

- Ninety (90) credit hours from an accredited U.S. or Canadian institution although most applicants will matriculate with a B.A. or B.S. degree
- One year (8-10 credit hours) each of General Chemistry, Organic Chemistry, Biology, and Physics must include a lecture and lab (**each lab must be a minimum of 2 credit hours**)
- Courses in Humanities and Social and Behavioral sciences
- Competency in written and spoken English
- Biochemistry, Psychology, and Sociology **required beginning application year 2014 (June 1 - December 15, 2014) for the class matriculating in fall 2015.**

Jefferson University

Link to website: <http://admissions.medicine.iu.edu/applying-to-the-iu-school-of-medicine/>

Requirements:

- A strong preparation in the sciences basic to medical school studies is advised. All prerequisites should be completed within five years of the application year. A variety of college course formats and combinations, including biology, general and organic chemistry, and physics are a minimum. Courses taken to meet the basic requirements should be, in general, comparable to courses accepted for concentration in these disciplines. Courses taken should be supplemented by laboratory experiences.
- Students may take upper level science courses out of educational interest or to fulfill the requirements of their major. Taking additional science courses that cover material taught within the medical school curriculum is not useful to gain admission. If advanced placement credits in required subjects are submitted, additional courses in similar subjects are encouraged.
- Breadth of education is expected. The pursuit of some discipline in depth is encouraged. A successful medical student must effectively acquire, synthesize, apply and communicate information. These are skills which can be developed through a great variety of academic disciplines. Studies in the humanities, the social and behavioral sciences, and the development of effective writing skills are strongly suggested.
- Honors courses and independent study or research are encouraged to explore, in depth, an area of knowledge and to provide scholarly experience which will facilitate a lifelong habit of self-education. All academic requirements should be completed prior to matriculation.

Johns Hopkins University

Link to website: <http://www.hopkinsmedicine.org/admissions>

Requirements:

A list of specific pre-medical course requirements are listed below. Please note that prerequisites do not need to be completed to apply, but must be completed by August 1 if you will be matriculating at Hopkins. In order to assess the classroom performance of an applicant, the Committee on Admission requires that all of the coursework submitted in fulfillment of admission requirements must be evaluated on the basis of a traditional grading system. Such a system must employ a range of numbers or letters to indicate the comparative level of performance. CLEP credits may not be substituted for any course requirement. **Each applicant must have received the B.A. degree or its equivalent prior to matriculation.**

- **Biology** - College biology with laboratory, one year (8 semester hours). The study of the principles of **genetics** either in a separate course or as a significant part of another integrated curricular offering is recommended.
- **Chemistry**
 - **General college chemistry** with laboratory, one year (8 semester hours). Applicants with advanced placement in general chemistry can receive 4 semester hours of credit toward this requirement. An additional 4 semester hours in advanced chemistry will be necessary.
 - **Organic chemistry** with laboratory, one semester (4 semester hours) are required.
 - **Biochemistry** (3 or 4 semester hours) are required. Lab not required.
- **Humanities, Social and Behavioral Sciences** - The study of the humanities, social and behavioral sciences, is an essential foundation for the study and practice of medicine (24 semester hours).
- **Mathematics** - Calculus and/or statistics, one year (6-8 semester hours). Regardless of such credit, it is strongly recommended that applicants take at least one semester of **statistics** or **epidemiology**.
- **Physics** - General college physics with laboratory, one year (8 semester hours).

Keck School of Medicine—University of Southern California

Link to website: <http://keck.usc.edu/en/Education/Admissions.aspx>

- Applicants must have completed a baccalaureate degree, or its equivalent, from an accredited college or university.
- International applicants must hold a degree considered equivalent to a U.S. bachelor's degree as evaluated by the USC Office of Graduate and International Admissions.
- *Additional Information Pending*

Loma Linda University

Link to website: www.llu.edu/medicine/admissions.page

Requirements:

- General or Inorganic Chemistry (with lab) 8 credits
- Organic Chemistry (with lab) 8 credits
- General Physics (with lab) 8 credits
- English (as required for degree)
- Religion or Ethics (as required by college attended)
- Biochemistry is strongly recommended.
- Introductory Statistics is recommended.

Louisiana State University

Link to website: <http://www.medschool.lsuhs.edu/admissions>

Requirements:

- Chemistry
 - Eight semester hours of general/inorganic chemistry with laboratory and
 - Eight semester hours of organic chemistry with laboratory

- Physics
 - Eight semester hours of general physics with laboratory.
- Biology
 - Eight semester hours of general biology with laboratory.
- English
 - Six semester hours of spoken and written English.

Loyola University

Link website: <http://www.stitch.luc.edu/admission>

Requirements:

- Bachelor's Degree
- 1 academic year of general chemistry, general biology, general physics, and organic chemistry – all with laboratory (biochemistry can be substituted for part of the organic requirement)
- Medical College Admission Test (MCAT). Oldest MCAT considered is 4 years prior to anticipated entrance into Stritch School of Medicine.
- Applicants must be U.S. citizens or hold a permanent resident visa at the time of application.
- Applicants enrolled in advanced degree programs must expect to complete their degrees prior to matriculation.
- Although first-time applicants who are unsuccessful in gaining admission may reapply, third applications are not encouraged and will be considered only if significant improvement is evident.
- The applicant's academic record should exhibit a continued interest in learning and an ability to successfully tackle intellectual challenges. Any undergraduate major can prepare students for the rigors of medical school. We strongly recommend, however, that a student's undergraduate years include liberal arts and science courses, as a broad education will serve them well throughout their life. We also require that students possess basic computer skills, as so much of their course work at the Stritch School of Medicine requires them.

Marshall University

Link to website: <http://musom.marshall.edu/admissions>

Requirements:

- General biology or zoology (with lab), 8 semester hours
- Inorganic chemistry (with lab), 8 semester hours
- Organic Chemistry (with lab) 8 semester hours
- Biochemistry, 3 semester hours
- Physics (with lab), 8 semester hours
- English, 6 semester hours
- Social or behavioral sciences, 6 semester hours

Highly Recommended Courses:

- Statistics/Biostatistics and Epidemiology, 3 semester hours
- Molecular and Cell Biology, 3 semester hours

Mayo Medical School

Link to website: <http://www.mayo.edu/mms/md-admissions.html>

Requirements:

- The following courses are required prior to admission (courses must be completed by June 15th of the year of admission):
 - One year of biology and/or zoology (with one year of lab)
 - One year of inorganic chemistry (with one year of lab)
 - One year of organic chemistry (with one year of lab)
 - One year of physics (with one year of lab)
 - One course in biochemistry (may be completed online as there is no lab requirement)

Medical College of Wisconsin

Link to website: <http://www.mcw.edu/medschool>

Requirements:

- Biology, 8 credits (including 2 lab credits)
- Inorganic Chemistry, 8 credits (including 2 lab credits)
- Organic Chemistry, 8 credits (including 2 lab credits)
- Physics, 8 credits
- English, 8 credits
- Mathematics: Algebra at the high school or college level

MeHarry Medical College

Link to website: <http://www.mmc.edu/admissions/index.html>

Requirements:

- General Biology or Zoology with Laboratory, 8 credits
- Inorganic Chemistry with Laboratory, 8 credits
- Organic Chemistry with Laboratory, 8 credits
- General Physics with Laboratory, 8 credits
- English Composition, 6 credits

Mercer University

Link to website: <http://medicine.mercer.edu/admissions>

Requirements:

- The Admissions Committee looks at each application holistically with a specific focus on prospective and previous commitment to our mission.
- All applicants must be legal residents of Georgia.
- MCAT scores, no more than two years old
- The premedical course requirements are two semesters with an affiliated laboratory in:
 - General Biology
 - General or Inorganic Chemistry
 - Organic Chemistry
 - Physics
- All pre-requisite courses must be complete for accepted applicants prior to the first day of enrollment.

Michigan State University

Link to website: <http://MDadmissions.msu.edu/>

Requirements:

- Completion of a baccalaureate degree at an accredited United States or Canadian undergraduate institution.
- Completion of one year of coursework (typically two semesters) in each of the following areas, with no final grade below a 2.0:
 - Social Science/Humanities courses that focus on psychological and social theory, individual and/or group behaviors, or comparative cultures.
 - General Biology sequence, including at least one laboratory;
 - General/Inorganic Chemistry sequence, including at least one laboratory;
 - Organic Chemistry sequence, including at least one laboratory
- English, Writing, or Composition. May include "Writing in the Major" or writing-intensive classes; at least 50% of the course grade must be based on written assignments, not exams.

- Mathematics through college algebra or statistics and probability. The mathematics requirement may be waived with Advanced Placement (AP) credit for Statistics and Probability, Calculus 1, or freshman mathematics placement above college algebra.
- Completion of two upper-level biological science courses. Such courses are typically within the following areas: **anatomy**, **biochemistry**, **cell biology**, embryology, **genetics**, microbiology, molecular biology, **immunology**, neuroscience, or **physiology** (Courses in bold text are highly recommended). Biochemistry is acceptable as an upper-level biology course, but it cannot be substituted for the second sequence of organic chemistry.

New Jersey Medical School

Link to website: <http://njms.umdnj.edu/education/admissions>

Requirements:

- Biology or Zoology (with lab) – *Courses must be exclusive of botany and invertebrate zoology*, 8 semester hours
- Chemistry – Courses must include:
 - Inorganic or general chemistry (with lab), 8 semester hours
 - Organic chemistry (with lab), 8 semester hours
- General Physics (with lab), 8 semester hours
- English, 6 semester hours

New York Medical College

Link to website: <http://www.nymc.edu/Academics/SchoolOfMedicine/Admissions/index.html>

Requirements:

- General Biology, 2 semesters or equivalent, with labs
- General Chemistry, 2 semesters or equivalent, with labs
- Organic Chemistry, 1st semester or equivalent with lab
- Biochemistry, 1 semester or equivalent, (with or without lab) - OR - 2nd semester Organic Chemistry (with or without lab)
- Physics, 2 semesters or equivalent, with labs
- English, 2 semesters or equivalent (or successful completion of the English requirements of your undergraduate institution)

New York University School of Medicine

Link to website: <http://school.med.nyu.edu/md-admissions>

- English-1 year (two years are recommended)
- Inorganic Chemistry- 1 year (including laboratory)
- Organic Chemistry - 1 year (including laboratory)*
- General Physics- 1 year (including laboratory)
- General Biology- 1 year (including laboratory)

Northwestern University

Link to website: <http://www.feinberg.northwestern.edu/admissions/index.html>

Requirements:

- Biology, 2 semesters plus lab
- Physics, 2 semesters plus lab
- Inorganic Chemistry, 2 semesters plus lab
- Organic Chemistry, 2 semesters plus lab

Recommended:

- English, 2 semesters
- Humanities, 2 semesters
- Psychology, 2 semesters
- Statistics, 2 semesters

Oakland University

Link to website: <http://www.oakland.edu/medicine/admissions/>

Requirements:

- The following coursework should be taken at an accredited college or university in the US or Canada:
 - 2 semesters of General Chemistry with lab
 - 1 semester of Organic Chemistry with lab
 - 2 semesters of Biology with lab
 - 2 semesters of Physics with lab
 - 2 semesters of college-level mathematics, OR one semester of college-level mathematics and 1 semester of statistics

Recommended:

- 1 semester of Biochemistry
- 2 semesters Social/Behavioral Sciences (sociology, psychology, anthropology)

Ohio State University

Link to website: <http://medicine.osu.edu/students/admissions/Pages/index.aspx>

Requirements:

- **Anatomy** - one semester or one quarter; lab preferred, but not required (see details below)
 - **Biochemistry** - one semester or one quarter
 - **Biology** - one year
 - **General Chemistry** - one year that consists of a general chemistry series including laboratory (incorporating both quantitative and qualitative analysis)
 - **Organic Chemistry** - one year of an organic chemistry series that includes a laboratory
 - **Physics** - one year with a laboratory
- **Anatomy Requirement** - The revised curriculum in our College of Medicine begins in the Fall of 2012, and we have some very exciting changes for our students. Changes include the unique aspect of first year medical students seeing patients in the office that they will follow longitudinally for four years. Anatomy will be taught in an integrated manner with the other basic science and clinical disciplines. It is thus critically important for our students to have been at least introduced to the academic discipline of anatomy prior to matriculating, so we have added anatomy to our prerequisites. In an attempt to make it as easy as possible for prospective students to fulfill this requirement, we have several options:

(Lab preferred, not required. Dissection or exposure to prosected specimens preferred, not required.)

Option 1:

Any semester or quarter of Anatomy (minimum 2-6 hours) with or without a laboratory experience. This does not have to be Human Anatomy, though that would be preferred. This can be taken at your home school or a community college.

Option 2:

Combined Anatomy and Physiology course, 3 quarters or 2 semesters necessary.

Option 3:

Online Anatomy courses. On-line examples approved by our Anatomy team include the following.

- Brigham Young University offers [Human Anatomy](#) with Virtual Lab (PDBIO210).

- Sinclair Community College offers a lecture component (BIO 1107 [Human Biology](#)) and a lab component (BIO 1108 Lab for Human Biology). While we do not require an anatomy lab, Sinclair requires completion of both courses to receive full credit.
- University of Cincinnati, Clermont College, offers [Introduction to Anatomy and Physiology](#) 34 BIOL 1015
- University of New England offers [Anatomy for Health Professions](#) DPPP 378.
- West Virginia University offers an online [Human Anatomy](#) lecture component (NBAN 205, 3 credit hours) and an optional virtual laboratory component (NBAN 206 U/L, 2 credit hours).

Option 4:

Community College course. Anatomy Courses at your local and other community colleges will also be accepted.

Option 5:

The College of Medicine is exploring other options for students at this time. Please contact the Office of Admission at medicine@osu.edu or call (614) 292-7137 if you have any questions or concerns.

Oregon Health and Science University

Link to website: <http://www.ohsu.edu/xd/education/schools/school-of-medicine/academic-programs/md-program/admissions/index.cfm>

Requirements:

- The following are the minimum acceptable college-level courses that must be successfully completed *prior to matriculation* to medical school:
 - **Biology**
One academic year of general biology to include one genetics course. Laboratories are recommended
 - **Chemistry**
One course each of general chemistry, organic chemistry and biochemistry. Laboratories are recommended. (Since undergraduate curricula vary from school to school, in fulfilling this requirement it is implied that the required prerequisite sequences in general and organic chemistry will have been completed in order to take the biochemistry course.)
 - **Physics**
One academic year of general physics. Laboratories are recommended.
 - **Mathematics**
One mathematics course (not including statistics). A course in statistics is strongly recommended.
 - **Humanities, Social Studies and English**
Two academic years of humanities and/or social sciences to include one course in English composition (or equivalent writing emphasis). *Note: One academic year is equivalent to two semesters or three academic quarters.*

Penn State College of Medicine

Link to website: <http://www.pennstatehershey.org/college>

Requirements:

- **Biology:** One year (two courses) of college biology plus laboratory is required. The importance of genetics and genomics is rapidly increasing in biomedical science and familiarity with evolution, ecology, and natural history is very helpful.
- **Chemistry:** Two years (four courses) of college chemistry (organic and inorganic) with laboratory is required. The principles of physical chemistry are particularly helpful.
- **Humanities:** One half year (one course) of humanities is required. Courses recommended are in disciplines such as philosophy, history, literature, language, anthropology, ethics, and theology. Studies in these areas deepen the student's understanding of the basis for human values and offer the opportunity to develop an appreciation of other cultures and ethnic groups. This background is vital to the health care providers.

- **Physics:** One year (two courses) of college physics with laboratory is required. Physics provides an important basis for understanding quantitative medical science. Students should have exposure to nuclear sciences, electromagnetic radiation, and radiobiology.
- **Mathematics:** One year (two courses) of college mathematics is required. Biomedical science emphasizes the quantitative approach. Students should have a background in calculus, basic statistical methods, and probability.
- **Behavioral Science:** One half year (one course) of college study in the behavioral sciences is required. Understanding the range of variation of human behavior as a biologic phenomenon is essential in the practice of medicine. Courses recommended are in disciplines such as psychology, sociology, cultural anthropology, and human ecology.
- **English:** Although there is no formal course requirement for English, students are expected to have a strong background in writing, oral communication, and critical reading skills.

Quinnipiac University

Link to website: <http://www.quinnipiac.edu/academics/colleges-schools-departments/school-of-medicine/admissions>

Requirements:

- General Biology, 2 semesters with lab
- General Chemistry, 2 semesters with lab
- Organic Chemistry, 2 semesters with lab
- General Physics, 2 semesters with lab
- College English, 2 semesters
- College Mathematics, 2 semesters (college algebra or above)

Rosalind Franklin University of Medicine and Science

Link to website: <http://www.rosalindfranklin.edu/Degreeprograms/AllopathicMedicine/appNeeds.aspx>

Requirements:

- Completion of at least 90 hours of undergraduate academic work at an accredited college or university prior to applying.
- Completion of the following prerequisite coursework prior to matriculation:
 - General Biology, with lab, 8 credits
 - General Chemistry, with lab, 8 credits
 - Organic Chemistry, with lab, 8 credits
 - Physics, with lab, 8 credits
 - One semester of Biochemistry may be substituted for the second semester of Organic Chemistry

Stanford School of Medicine

Link to website: <http://med.stanford.edu/md/admissions>

- **Biological sciences** (one full academic year)
- **Chemistry** (Two full academic years, including organic chemistry)
- **Physics** (the equivalent of one full academic year)

SUNY Buffalo

Link to website: <http://medicine.buffalo.edu/education/admissions.html>

Requirements:

- Biology (with labs) (not more than one semester of Botany), 2 semesters
- Chemistry (with lab) (at least two semesters must be Organic), 4 semesters
- General Physics, 2 semesters
- English, 2 semesters

SUNY Downstate Medical Center

Link to website: <http://sls.downstate.edu/admissions/com/requirements.html>

Requirements:

- English, 6 credits
- General Biology or Zoology, including lab, 8 credits
- General Physics, including lab, 8 credits
- General or Inorganic Chemistry, including lab, 8 credits
- Organic Chemistry, including lab, 8 credits

SUNY Upstate Medical Center

Link to website: <http://www.upstate.edu/com/admissions/>

- For those applying for 2014 entry, we will require:
 - General Biology I & II w/labs
 - General Chemistry I & II w/labs
 - Organic Chemistry I
 - Biochemistry
 - General Physics I & II w/labs
 - Writing/Composition
 - English elective
 - Statistics (3hrs)

Temple University

Link to website: <http://www.temple.edu/medicine/admissions>

Requirements:

- Biology, including lab, 8 credits
- General Physics, including lab, 8 credits
- General or Inorganic Chemistry, including lab, 8 credits
- Organic Chemistry, including lab, 8 credits
- Humanities, 6 credits

Texas A&M University

Link to website: <http://medicine.tamhsc.edu/admissions>

Requirements:

- General Biology (with labs) 8 semester hours
- Advanced Biological Sciences (Biochemistry is recommended), 6 semester hours
- General Chemistry (with labs), 8 semester hours
- Organic Chemistry (with labs), 8 semester hours
- General Physics (with labs), 8 semester hours
- Math-based Statistics, 3 semester hours
- English, 6 semester hours

Texas Tech University

Link to website: <http://www.ttuhsu.edu/som/admissions/reqs.aspx - prereqs>

Requirements:

- General Biology or Zoology, 6 credits
- Upper Division Biology, 6 credits

- Biology labs, 2 credits
- General Chemistry, 6 credits
 - General Chemistry lab, 2 credits
- Organic Chemistry, 6 credits
 - Organic Chemistry labs, 2 credits
- Physics, 6 credits
 - Physics labs, 2 credits
- English, 6 credits
- Statistics, 3 credits

Tufts University

Link to website: <http://www.tufts.edu/med/admissions>

Requirements:

- **Biology:** A full-year (eight semester credits) of introductory biology, including laboratory work, is required. Knowledge of classical genetics is essential and may be acquired through the introductory biology sequence. An additional genetics course is highly recommended.
- **Chemistry:** A full year (eight semester credits) of general chemistry with lab and a full year (eight semester credits) of organic chemistry with lab are required. An additional course in biochemistry is highly recommended.
- **Physics:** A full year (eight semester credits) of introductory physics with lab is required. Topics covered should include mechanics, heat, light, sound, electricity, and nuclear radiation.

Recommended:

- **English:** TUSM does not have an English course requirement, although applicants must possess the ability to communicate effectively in spoken and written English.
- **Math:** TUSM does not have a math course requirement, although course work in calculus, statistics, and computer science is recommended.

University of Alabama

Link to website: <http://www.uab.edu/medicine/home/education/prospective>

Requirements:

- **General Biology:** 8 semester hours
 - Embryology and Genetics Recommended; applicants awarded AP or CLEP credit for biology are expected to complete 8 hours of more advanced biology coursework in addition to AP or CLEP credit
- **General Chemistry (with lab):** 8 semester hours
- **Organic Chemistry (with lab):** 8 semester hours
 - (We also accept a 4-semester/term sequence of chemistry that includes general/inorganic chemistry, organic chemistry and biochemistry from schools offering this chemistry course sequence. Applicants awarded AP or CLEP credit for chemistry are expected to complete a chemistry course sequence that includes biochemistry)
- **General Physics (with lab):** 8 semester hours We accept AP or CLEP credit for Physics
- **College Mathematics:** 6 semester hours
 - College level math and/or statistics is/are required and, with few exceptions, courses must be listed or cross listed as "Math" on the transcript in order to meet this requirement
 - Applicants awarded college credit for AP calculus courses or CLEP credit for calculus may receive 3 hours credit toward meeting the minimum requirement

Recommended:

- Courses in statistics or biostatistics are strongly recommended
- Computer Science courses are no longer accepted to meet the math requirement
- English: 6 semester hours

- If your school requires writing composition, literature or interdisciplinary reading and writing intense courses in lieu of courses that are listed as “English” on the transcript, please indicate in your Secondary Application the courses on your transcript that you believe meet this requirement

University of Arizona

Link to website: <http://www.medicine.arizona.edu/>

Requirements:

- Biology, 2 semesters plus lab
- Chemistry, 2 semesters plus lab
- Organic Chemistry, 2 semesters plus lab
- Physics, 2 semesters plus lab
- English, 2 semesters

University of California – Davis

Link to website: <http://www.ucdmc.ucdavis.edu/mdprogram/admissions/>

Requirements:

- English: 1 year (Courses in Comparative Literature and/or Classics will fulfill the English requirement.)
- Biological Sciences, lower division (with lab): 1 year
- Biological Sciences, upper division (lab not required): 1/2 year (can be fulfilled with 1 semester course in biochemistry, molecular biology, cell biology or genetics)
- General Chemistry (with lab): 1 year
- Organic Chemistry (with lab): 1 year
(If two or more undergraduate courses are offered, the more rigorous option is recommended)
- Physics (with lab): 1 year
- Mathematics (college-level math): 1 year
(College-level statistics fulfills a portion of the requirement.)

University of California – Irvine

Link to website: <http://www.meded.uci.edu/Admissions>

Requirements:

- Biology, 1.5 years, plus lab (must include one upper-division Biology course)
- Chemistry, 2 years, plus one lab (must include biochemistry course and inorganic and organic chemistry courses)
- Physics, 1 year
- Math, 1 semester of calculus, 1 semester of statistics
- English, 1 semester (English or writing composition)

University of California – Los Angeles

Link to website: <http://www.medstudent.ucla.edu/prospective/>

Requirements:

- English, One year of college English to include the study of English composition
- Physics, One year of college Physics (with lab)
- Chemistry, Two years of college chemistry to include the study of inorganic chemistry, quantitative analysis and organic chemistry (with lab)
- Biology, One year of general biology (with lab)
- Mathematics, One year of college mathematics to include the study of introductory calculus and statistics

Recommendations:

- Spanish, highly recommended

- Humanities, highly recommended

University of California – San Diego

Link to website: <http://meded.ucsd.edu/admissions>

Requirements:

- Biology (excluding botany & biochemistry), One year (2 semesters), college-level
- General Chemistry (biochemistry is acceptable), One year (2 semesters), college-level
- Organic Chemistry, One year (2 semesters), college-level
- Physics, One year (2 semesters), college-level
- Math (only calculus, statistics, or computer science will be considered), One year (2 semesters), of college-level
- UCSD does not require any laboratory coursework.
- UCSD does not require English coursework, but competence in spoken and written English is required.

University of Central Florida

Link to website: <http://www.med.ucf.edu/admissions>

Requirements:

- General Biology – 2 Semesters (with labs)
- General Chemistry – 2 Semesters (with labs)
- Organic Chemistry – 2 Semesters (with labs)
- General Physics – 2 Semesters (with labs)
- College English – 2 Semesters
- College Math – 2 Semesters

University of Chicago

Link to website: <http://pritzker.uchicago.edu/admissions/>

Requirements:

- Applicants must have completed 90 credit hours (using the AMCAS methodology) prior to matriculation from an accredited four-year degree-granting U.S. or Canadian college or university. A baccalaureate degree is not required but is strongly preferred by the Admissions Committee. If you completed a baccalaureate degree in a country outside of the U.S. or Canada, we require you to complete at least 1 year of full-time coursework (predominately in the sciences) in a U.S. or Canadian institution. Courses pursued in other English-speaking countries will also be considered.
- Pritzker has a standard entrance requirement for a total of 32 semester credit hours (using AMCAS methodology) of undergraduate science comprised of an 8-credit, academic year each of General Chemistry, Organic Chemistry, General Physics, and Introductory Biology, all with accompanying laboratory.

Recommended:

- Additional coursework is recommended in the following areas: Biochemistry with an accompanying laboratory, Humanities, Social Sciences, Calculus, Statistics, College English, Genetics.

University of Colorado

Link to website: <http://www.ucdenver.edu/academics/colleges/medicalschool/Admissions/>

Requirements:

- 8 semester hours - human biology (with lab),
- 8 semester hours - general chemistry (with lab),
- 8 semester hours - organic chemistry (with lab),
- 8 semester hours - general physics (with lab),

- 6 semester hours - English literature/composition
- 6 semester hours - College level mathematics (algebra and above)

University of Connecticut

Link to website: <http://medicine.uhc.edu/prospective/index.html>

Requirements:

- One year of college credit with lab in each of the following:
 - General Chemistry
 - Organic Chemistry
 - Physics
 - Biology or Zoology

Recommended:

- English – Courses in composition and literature are strongly recommended

University of Florida

Link to website: <http://admissions.med.ufl.edu/>

Requirements:

- Biology – 2 semesters, with labs (8 credit hours)
- General Chemistry - 2 semesters, with labs (8 credit hours)
- Organic Chemistry – 1 semester, with lab (4 credit hours)
- Biochemistry - 1 semester (3 or 4 credit hours, lab if offered is recommended)
- Physics – 2 semesters, with labs (8 credit hours)

University of Iowa

Link to website: <http://www.medicine.uiowa.edu/md/admissions>

Requirements:

- **Physics**, A complete introductory course (1 year), including lab and instruction
- **Mathematics**, An advanced college mathematics course or a statistics course.
- **Chemistry**, A complete introductory course in organic chemistry, or a combination of organic chemistry and biochemistry (1 year), and any general chemistry prerequisite to organic chemistry.
- **Biological Sciences**, A complete introductory course in the principles of biology with the appropriate laboratories, and an advanced biology course (1 semester or quarter). Recommended advanced biology courses include biochemistry, molecular & cell biology, human physiology, genetics or microbiology.
- **English**, Two courses (to include composition and literature). This may be waived if your school integrates a writing requirement into courses across the curriculum.
- **Social and Behavioral Sciences, Humanities**, Four courses. As writing skills are important in the study and practice of medicine, candidates are encouraged to fulfill this requirement with courses that include a writing component. Recommended courses include behavioral psychology, foreign language and other courses that encourage a greater appreciation for diversity and cultural competency.

University of Kansas

Link to website: <http://www.kumc.edu/school-of-medicine/education/admissions.html>

Requirements:

- General Biology (with lab), 2 semesters
- Inorganic (General) chemistry (with lab), 2 semesters
- Organic chemistry (with lab) OR General Organic chemistry (with lab) and General Biochemistry (with lab), 2 semesters

- Physics (with lab), 2 semesters
- English composition or writing-intensive courses, 2 semesters
- Mathematics, college-level algebra or above, 1 semester

University of Kentucky

Link to website: <http://www.mc.uky.edu/meded/admissions/index.asp>

Requirements:

- Two semesters of biology with laboratories
- Two semesters of general chemistry with laboratories
- Two semesters of organic chemistry with laboratories
- Two semesters of physics which include laboratory work
- Two semesters of English with emphasis on communication skills

University of Louisville

Link to website: <http://www.louisville.edu/medschool/admissions>

Requirements:

- **Biology:** This requirement may be fulfilled by one semester of cellular biology with lab and one semester of organismic biology with lab. Survey courses in anatomy and physiology cannot be substituted for this requirement.
- **Chemistry:** This requirement would ordinarily be met by a one-year course in general inorganic chemistry with lab and a one-year course in organic chemistry with lab. The course in organic chemistry should cover all of the major categories of organic compounds.
- **Physics:** A one-year course in general physics with lab, including mechanics, electricity, heat, light and sound, is required of all applicants. Specialized courses in subdisciplines cannot be substituted for any part of this requirement.
- **Mathematics:** Entering medical students must have at least one year of mathematics at the college level or one semester of calculus (Calculus is recommended).
- **English:** This requirement may be fulfilled by completing one year of English. A writing intensive course is acceptable for meeting one semester of the required two semesters, but not both. Prospective medical students are encouraged to take English courses beyond the one-year minimum requirement. Additional courses designed to increase speed and comprehension are suggested, for slow readers.

University of Maryland

Link to website: <http://www.medschool.umaryland.edu/admissions>

Requirements:

- Biological Sciences (with lab), 8 credits
- Inorganic Chemistry (with lab), 8 credits
- Organic Chemistry (with lab), 8 credits
- General Physics (with lab), 8 credits
- English, 6 credits

University of Massachusetts

Link to website: <http://www.umassmed.edu/som/admissions>

Requirements:

- **Biology:** A one-year general biology or zoology course, with a laboratory component is required. Students wishing to pursue additional course work in the biological sciences should consider genetics, embryology, cell biology, or comparative anatomy.
- **Chemistry:** One year of inorganic and one year of organic chemistry each with a lab are required. Students interested in advanced courses are advised to consider biochemistry or physical chemistry.

- **Physics:** A one year course in general physics with a lab is required.
- **English:** At least one year of college level English literature or composition is required. Applicants must demonstrate proficiency in the three domains of the English language which include reading, writing, and oral communications skills for a number of reasons. The rapid expansion of the volume of medical literature and published research requires the ability to read rapidly with sound comprehension. Reading aptitude is therefore essential for learning as a student as well as for ongoing lifelong learning as a medical professional. Future physicians must also be able to write clearly, accurately, and succinctly. Furthermore, the fundamental relationship between doctor and patient requires an ability to communicate verbally with empathy, clarity and respect. Finally, in professional relationships, the physician must communicate orally with other members of the health care team in a clear, concise, accurate and effective manner.

University of Michigan

Link to website: <http://www.med.umich.edu/medschool/admissions/>

Requirements:

- 1 year of Inorganic Chemistry with laboratory experience
- 1 year of Organic Chemistry with laboratory experience
- 1 semester of Biochemistry
- 1 year of Biology with laboratory experience
- 1 year of Physics with laboratory experience
- 2 semesters of intensive writing courses
- 6 semesters of additional non-science courses

University of Minnesota

Link to website: <http://www.med.umn.edu/medical-school-students>

Requirements:

- **Biology with lab**
 - Biological sciences coursework with emphasis on general principles, cell biology and/or physiology
 - 1 semester or 1 quarter
- **Chemistry with lab**
 - General or Organic Chemistry
 - 1 semester or 1 quarter
- **Life sciences (additional courses)**
 - Biology, genetics, zoology, botany, parasitology, biochemistry, chemistry (general or organic, but must be in addition to the general or organic chemistry listed above), physics, etc. *At least 2 must be upper-level courses.*
 - 4 semesters or 4 quarters
- **Humanities or social sciences**
 - Humanities or social sciences upper-level course, with an intensive writing requirement.
 - 1 semester or 1 quarter

Recommended:

- Biochemistry
- Ethics
- Genetics
- Psychology
- Statistics
- Foreign language
- Independent learning courses
- Seminar-type courses involving small group discussions
- Social and behavioral sciences and humanities

University of Mississippi

Link to website: http://www.umc.edu/Education/Schools/Medicine/SOM_Admissions/Admissions_Criteria.aspx

| Traditional Applicant Must take all pre-requisites described below or acceptable substitutes | | | Non-Traditional Applicant Must take pre-requisites described for Traditional Applicant |
|--|--------------------------|--|---|
| Course | Credits | Substitute | But |
| Biological Science | 8 (6 lecture + 2 lab) | Equal credits of higher level BIOL | If any core pre-requisite course(s) is 10 years old, retake that course(s). If ALL pre-requisites 10 years old, recommend re-taking 32 core credits; however, accept 32 credits of either upper level BCPM beyond Advanced Science requirement or graduate BCPM. |
| Freshman Chemistry | 8 (6 lecture + 2 lab) | Equal credits of higher level CHEM | |
| Organic Chemistry | 8 (6 lecture + 2 lab) | Equal credits of higher level CHEM | |
| Physics | 8 (6 lecture + 2 lab) | Equal credits of higher level PHYS | |
| Core | 32 | | 32 |
| English | 6 | Other writing intensive courses (writing for scientists, honors, courses, specifically petitioned, thesis credits) | No need to repeat |
| Math (Trigonometry, Algebra) | 6 | 3 credits Calculus | No need to repeat |
| Advanced Science | 6 | Any junior or senior level BCPM courses | No need to repeat |

University of Missouri

Link to website: <http://medicine.missouri.edu/admissions/>

Requirements:

- English composition or writing intensive, 2 semesters
- College-level mathematics (college algebra or above), 1 semester
- General biology (6 hours) with lab (2 hours)
- General chemistry (6 hours) with lab (2 hours)
- Organic chemistry (6 hours) with lab (2 hours)
- General physics (6 hours) with lab (2 hours)

University of Nebraska

Link to website: <http://www.unmc.edu/com/admissions.htm>

Requirements:

- **Biology (with lab) 8-10 semester hours**
Two semesters of general biology or zoology meet this requirement.
- **General Chemistry (with lab) 8-10 semester hours**
This requirement should include a two semester complete course in general or inorganic chemistry.
- **Organic Chemistry (with lab) 8-10 semester hours**
This requirement should include a two semester complete course in organic chemistry.

- **Physics (with lab) 8-10 semester hours**
This requirement should include a two semester complete course in physics.
- **Humanities and/or Social Sciences 12-16 semester hours**
Courses in the following may be used to fill this requirement: art, dramatic arts/theater, literature, English, music, foreign language, sociology, anthropology, psychology, child development, journalism, economics, geography, geology, speech, communications, history, government, political science, philosophy, religion, women's studies, and any ethnic studies courses.
- **Calculus or Statistics 3 semester hours**
A one semester course in introductory calculus OR statistics will meet this requirement.
- **English Composition minimum of 3 semester hours**
Students are required to have at least one semester of English composition or a comparable writing course. Students may not substitute a placement examination in lieu of this requirement.
- **Biochemistry 3 semester hours**
- **Genetics 3 semester hours**

Note: Pass-fail courses, CLEP and AP course credits will not be accepted towards your entrance requirements.

Recommended:

Courses in molecular biology, immunology and microbiology, though not required, are helpful in preparing for the basic science curriculum of medical school. Interpersonal communications, ethics, and personnel management are also good preparatory courses.

University of Nevada

Link to website: http://www.medicine.nevada.edu/dept/asa/prospective_applicants/adm_coursereq.htm

Requirements:

- Biology (must include 6 semester hours of upper division credit), 15 semester hours
- Inorganic Chemistry, 8 semester hours
- Organic Chemistry, 8 semester hours
- Physics, 8 semester hours
- Psychology or Abnormal Psychology, 3 semester hours
- Biochemistry, 3 semester hours

Recommended:

- Microbiology
- Genetics
- Calculus
- Statistics
- Immunology

University of New Mexico

Link to website: <http://hsc.unm.edu/som/admissions/>

Requirements:

- General Biology I & II, plus lab, 1 academic year
- General Chemistry I & II, plus lab, 1 academic year
- Organic Chemistry I & II, plus lab, 1 academic year
- General Physics I & II, NO lab, 1 academic year
- Biochemistry, NO lab, 1 semester

University of North Carolina – Chapel Hill

Link to website: <http://www.med.unc.edu/admit>

Requirements:

- Biology including at least one course with lab. It is strongly suggested that students take at least one course in Cell and Molecular Biology or Genetics, 8 semester hours
- General and Organic Chemistry with labs. In addition, a course in Biochemistry is strongly recommended, 16 semester hours
- General Physics with labs, 8 semester hours
- English - Please note that if you satisfy your undergraduate institution's English or Literature requirement for your degree program, you will also satisfy ours, 6 semester hours
- Behavioral or Social Sciences (e.g., Humanities, Psychology, Anthropology, Sociology, Social Diversity, etc.), 3 semester hours
- Advanced Placement (AP) courses are accepted as long as they appear on your official transcript. If you have received AP credit for any of the required science courses, we strongly advise you to consider taking advanced level college courses to enhance your academic preparation for medical school.

University of North Dakota

Link to website: <http://www.med.und.edu/studentaffairs/>

Requirements:

- Chemistry (with lab), 16 credits total
 - Inorganic and qualitative, 8 credits
 - Organic, 8 credits
- Biology (with lab), 8 credits
- Physics (with lab), 8 credits
- Psychology/Sociology, 3 credits
- Language Arts (English, Speech, etc), 6 credits
- College Algebra, 3 credits

University of Oklahoma

Link to website: <http://www.oumedicine.com/collegeofmedicine/information-about-/admissions>

Requirements:

- General Zoology/Biology with Lab, 1 semester
- Genetics, Cellular Biology, or Molecular Biology (your choice), 1 semester
- General Chemistry, 2 semesters
- Organic Chemistry, 2 semesters
- Physics, 2 semesters
- Sociology, Philosophy, Psychology, or Humanities (any combination), 3 semesters
- English, 2 semesters

University of Pennsylvania

Link to website: <http://www.med.upenn.edu/admiss>

Requirements:

- **English/Communication** Applicants must have competence in writing, speaking, and reading the English language; that is, they should have the ability:
 - To write expository prose that is clearly organized and largely free of errors in grammar, punctuation, and spelling;
 - To present material orally with appropriate fluency; and
 - To read and critically appraise general and technical writing.
- **Biology** The student should prepare for studying the human organism by gaining an understanding of the basic biological principles shared by all living organisms. The knowledge gained through this preparation should include:

- An appreciation of the diversity of life, including viruses, prokaryotes, plants and animals, and familiarity with the typical life cycles and metabolic activities of these organisms;
- An understanding of nucleic acid structure and how nucleic acids are utilized to store and transfer biological information; and
- An understanding of the basic structure and function of the eukaryotic cell, particularly of the role of subcellular organelles and chromosomes in metabolism and cell division.
- **Chemistry** Much of our understanding of the molecular basis of life is rooted in the principles of physical, inorganic, and organic chemistry. In order to acquire knowledge of chemistry adequate to maintain competence as a physician, students of the life sciences should:
 - Understand the principles of chemical equilibria and thermodynamics, particularly in the area of acid-base balance, ionization in aqueous solutions and redox reactions;
 - Be able to describe the structure of molecules and understand the basic experimental methods used to determine these structures. Emphasis should be placed on the molecular architecture of organic compounds because of their importance in the biological sciences; and
 - Be familiar with the quantitative and qualitative aspects of reaction rates, binding constants, and reaction mechanisms, particularly in regard to enzyme catalysis.
- **Physics and Mathematics** Mathematics is the common language of all quantitative science. Physics provides the conceptual framework for quantitative biology and biomedical sciences. Students should have a firm foundation in mathematics and physical science on which the medical science taught in medical school can be based.
 - Students should have facility with algebra and be able to develop equations from known physical and geometrical relationships. They should also be able to construct and interpret graphic representations of data and functions.
 - Students should be familiar with the constants or units of physical measurement.
 - Students should be familiar with basic Newtonian mechanics and the physical properties of the various matter states that are of biological relevance.
 - Students should have basic knowledge of the principles of electricity and magnetism, particularly circuit diagrams and wave motion.
 - Students should have firm grounding in basic statistics and probability—particularly in the testing of hypotheses.
- Basic computer literacy is also strongly recommended because of the importance of computer science in many areas of medicine.

University of Pittsburgh

Link to website: <http://www.medadmissions.pitt.edu/>

Requirements:

- Biology, exclusive of botany and Ecology (with one full year lab or a single two credit lab);
- General or inorganic chemistry (with one full year lab or a single two credit lab);
- Organic chemistry (with one full year lab or a single two credit lab);
- Physics (with one full year lab or a single two credit lab); and
- English

University of Rochester

Link to website: <http://www.urmc.rochester.edu/education/md/admissions>

Requirements:

- A minimum of 3 years of study in an accredited college or university. We prefer that science coursework be completed in a US or Canadian college.
 - Expository writing—one year: This may be met with English or non-science courses that involve extensive expository writing.
 - One year of biology with laboratory. Biochemistry or botany will not satisfy this requirement.
 - One year of physics with laboratory.
 - Two years of chemistry, including either one year of organic chemistry or one semester of organic and one semester of biochemistry. Within the two-year chemistry sequence, one year of laboratory is required.

- 12 – 16 credit hours in the humanities and/or the social or behavioral sciences.
- All required premedical courses must ordinarily be taken at an accredited United States or Canadian college or university.
- Advanced placement courses may meet only one semester of the chemistry and/or one semester of the physics requirements. Advanced placement will not satisfy the biology or non-science requirements.

Recommended:

- Although not specifically required, courses in calculus, statistics, genetics, physiology, and biochemistry are recommended. Experience in clinical settings, research or an Honors Thesis in your major, public health, or community outreach activities also are strongly recommended.

University of South Carolina

Link to website: <http://admissions.med.sc.edu/>

Requirements:

- English composition and literature. Two semesters
- Biology with laboratory – Work in general biology, general zoology, or botany is acceptable. No more than four semester hours may be botany. Two semesters
- General inorganic chemistry with laboratory – Work in qualitative analysis, quantitative analysis, or physical chemistry is acceptable. Two semesters
- General organic chemistry with laboratory – This course work should include studies of aliphatic and aromatic compounds. Two semesters

Recommended:

- Strongly Preferred- Physics, Histology and Biochemistry. Clinical experience

University of Southern Florida

Link to website: <http://www.hsc.usf.edu/nocms/medicine/mdadmissions>

Requirements:

- 2 Semesters in each of the following:
 - English
 - Biological Science including laboratory
 - General Chemistry including laboratory
 - Organic Chemistry including laboratory
 - Mathematics
 - Physics including laboratory

University of Tennessee

Link to website: <http://www.uthsc.edu/Medicine/Admissions>

Requirements:

- Chemistry [16]
 - A minimum of sixteen semester hours of chemistry is required. Eight semester hours must be in organic chemistry and another eight semester hours must be in inorganic chemistry, which may include analytical chemistry. Each of these courses must be a complete, standard, college-level course utilizing full laboratory facilities. In instances where students feel uncertain of their preparation in chemistry and wish to take additional work, biochemistry is recommended.
- Physics [8]
 - Acceptable courses in physics must include laboratory credits and must adequately cover mechanics, heat, light, sound, electricity, and magnetism. Survey types of courses will not satisfy this requirement.
- Biology [8]

- Eight semester hours in modern concepts of mammalian biology, including laboratory are required. Courses in botany do not meet this requirement. Applicants, particularly non-science majors, are strongly encouraged to pursue upper level coursework in the biological sciences beyond the minimum requirement. Such courses might include biochemistry, cell biology, comparative anatomy, embryology, general genetics, histology, immunology, mammalian physiology, microbiology or related courses.
- English/Literature [6]
 - Facility in the use of both oral and written English is considered highly essential to the successful study of medicine. Introductory freshman English (six semester hours) will meet the admission requirement. Students who qualify for advanced placement credit in English will not be required to take additional English courses, although such students are encouraged to do so.
- Electives [52]
 - In as much as the medical curriculum is devoted largely to the biological and physical sciences, a student should acquire a broad cultural background in the pre-medical preparation. The behavioral sciences, including psychology, sociology, etc., are considered valuable. Additional dimensions are derived from higher mathematics, computer sciences, languages, literature, philosophy, history, political science, economics, etymology and statistics.
- Total Hours [90]
- Ninety semester hours at an accredited American college or university.

University of Texas

Link to website: <http://som.uthscsa.edu/Admissions/prerequisites.asp>

Requirements:

- **English:** A minimum of 6 semester hours of college English.
- **Biology:** Two years as required for science majors, one year with formal laboratory experience (minimum of 14 semester hours, or 12 hours of lecture and 2 hours of lab).
- **Biochemistry:** Three semester hours or 5 quarter hours of Biochemistry is required. This requirement may be used towards fulfilling the Biological Science or Chemistry requirement. The course may be taught in the Biology, Biochemistry or Chemistry department and cannot be an introductory course.
- **Chemistry:** One year of general (inorganic) chemistry (6 semester hours of lecture, 2 semester hours of lab) and one year of organic chemistry (6 semester hours of lecture and 2 semester hours of lab) as required for science majors including the corresponding laboratory experience in both years (minimum of 16 semester hours).
- **Physics:** One year as required for science majors including a full year of laboratory experience (minimum of 8 semester hours, 6 semester hours of lecture, 2 semester hours of lab).
- **Statistics:** A minimum of 3 semester hours of math-based statistics is required. Course content will be evaluated if not taught in a math or statistics department.

University of Texas Medical Branch

Link to website: <http://www.utmb.edu/somstudentaffairs>

Requirements:

- English
 - 6 semester hours. Writing intensive courses taught in departments other than the English department are not acceptable.
- Biological Sciences
 - 14 semester hours (12 semester hours of lecture and 2 semester hours of formal lab)
- Mathematics
 - 3 semester hours of college Calculus or Statistics. Statistics must be taught in the Math department.
- Physics
 - 8 semester hours (6 semester hours of lecture and 2 semester hours of formal lab) or 12 quarter hours (9 quarter hours of lecture and 3 quarter hours of formal lab) as required for college science majors.
- Chemistry
 - **General Chemistry** - 8 semester hours (6 semester hours of lecture and 2 semester hours of formal lab)
 - **Organic Chemistry** - 8 semester hours (6 semester hours of lecture and 2 semester hours of formal lab)

University of Texas – Houston

Link to website: <http://med.uth.tmc.edu/administration/admissions/>

Requirements:

- Biology (with lab), 14 credits (12 lecture, 2 lab)
- Inorganic Chemistry (with lab), 8 credits (6 lecture , 2 lab)
- Organic Chemistry (with lab), 8 credits (6 lecture , 2 lab)
- Physics (with lab), 8 credits (6 lecture , 2 lab)
- English, 6 credits

The University of Toledo

Link to website: <http://www.utoledo.edu/med/md/admissions/index.html>

Requirements (obtained at an accredited institution of higher education):

- One year biological sciences
- One year of general chemistry with labs
- One year of organic chemistry with labs
- One year of physics
- One year of mathematics
- One year of college English
- Applicants are encouraged to acquire a broad undergraduate education including humanities and social sciences

University of Virginia

Link to website: <http://www.medicine.virginia.edu/education/medical-students/admissions>

The University of Virginia School of Medicine no longer has required pre-requisite courses.

We have no science or humanities requirements. However, it is recommended that students consider courses in Cell Biology, Biochemistry, Human Behavior and Statistics as students find these courses to be helpful during medical school.

University of Washington

Link to website: <http://www.uwmedicine.org/admissions>

Requirements: (this list is for your information and is not exhaustive)

- **Social sciences, humanities or "human condition"** - 4 semesters
General types of courses that fulfill these requirements are: anthropology, classics, cultural studies/cross cultural studies, English literature, ethics, foreign language literature, history, music appreciation, philosophy, religion/theology, sociology, study abroad
- **Chemistry and biology** - 6 semesters
The subject matter in these courses must include college level chemistry and biology, biochemistry, molecular genetics, cell biology/cell physiology, although applicants are not required to take courses with these specific titles.
- **Physics** - 2 semesters; **OR** 1 semester, plus 1 semester of calculus or linear algebra.

Recommended:

- Ethics
- Anatomy or comparative anatomy
- Human or mammalian physiology
- Embryology

University of Wisconsin

Link to website: <http://www.med.wisc.edu/education/md/admissions/main/102>

Requirements:

- General biology (with lab), 1 semester
- Advanced biology, 1 semester
- General chemistry (with lab), 2 semesters
- Organic chemistry, 1 semester
- Biochemistry or equivalent (may be satisfied through a variety of courses that address the fundamentals of biochemistry including molecular genetics, structure and activity of proteins, and metabolism), 1 semester
- Physics (with lab), 2 semesters
- Statistics, 1 semester
- Mathematics (calculus recommended), 1 semester

Vanderbilt University

Link to website: <https://medschool.vanderbilt.edu/admissions>

Requirements:

- **Biology:** A minimum of 8 semester hours, including laboratory.
- **General Chemistry:** A minimum of 8 semester hours including laboratory.
- **Organic Chemistry:** A minimum of 8 semester hours including laboratory.
- **English and Composition:** A minimum of 6 semester hours in English literature and/or writing.
- **Physics:** A minimum of 8 semester hours, including laboratory.

Virginia Commonwealth University

Link to website: <http://www.medschool.vcu.edu/admissions/md/index.html>

Requirements:

- **English:** two semesters. One semester to include grammar and composition. Both courses must include intensive writing requirements. Other courses may be substituted upon request, please contact the admissions office.
- **College mathematics:** two semesters. Statistics courses are included in mathematics.
- **Biological science:** eight semester hours, including laboratory. This may be satisfied by general biology, general zoology, or botany. No more than half may be botany.
- **General or introductory chemistry:** eight semester hours, including laboratory. A portion of this requirement may be met by courses in analytical chemistry or physical chemistry.
- **Organic chemistry:** eight semester hours, including laboratory. Biochemistry may be substituted for half of the organic chemistry semester hours requirement. The courses should be equivalent to and acceptable for continued studies in a chemistry major.
- **General or introductory physics:** eight semester hours, including laboratory experience.

Virginia Tech Carilion

Link to website: <http://vtc.vt.edu/education/admissions/vtcadmissions.html>

Requirements:

- General Biology with laboratory: 2 semesters
- General Inorganic Chemistry with laboratory: 2 semesters
- Organic Chemistry with laboratory: 2 semesters
- Physics with laboratory: 2 semesters
- Mathematics: 2 semesters of calculus or 1 each of Calculus and Statistics
- English: 2 semesters or 1 semester each of English and Philosophy

Wake Forest School of Medicine

Link to website: <http://www.wakehealth.edu/School/Admissions/>

Requirements:

- Eight semester hours of vertebrate zoology or general biology
- Eight semester hours of general physics
- Eight semester hours of general chemistry
- Eight semester hours of organic chemistry

Washington University in St. Louis

Link to website: <http://medadmissions.wustl.edu/>

Requirements:

- A minimum of one year or equivalent advanced placement in
 - Biology
 - General or inorganic chemistry
 - Organic chemistry (one semester of Biochemistry may substitute for one semester of Orgo)
 - Physics
 - Calculus through integral and differential equations (one semester of Statistics may substitute for one semester of calc)

Wayne State University

Link to website: <http://www.med.wayne.edu/admissions>

Requirements:

- **Inorganic Chemistry** with labs, 2 semesters
- **Biology/Zoology** with labs, 2 semesters
- **College English**, 2 semesters
- **Organic Chemistry** with labs, 2 semesters
- **Physics** with labs, 2 semesters

Weill Cornell Medical College

Link to website: <http://www.med.cornell.edu/education/admissions>

Requirements:

- Basic sciences: WCMC requires two semesters, or their equivalent, in biology, chemistry, and physics. These will typically be comprehensive introductory courses with laboratory. In biology, coursework will typically include molecular biology, cell biology, and genetics.
- Organic chemistry: We recommend two semesters of organic chemistry, but we accept one semester of organic chemistry, with lab, and one semester of other advanced biology or chemistry coursework. Examples include biochemistry, physical chemistry, analytic chemistry, and molecular genetics.
- Writing-intensive courses: WCMC requires two semesters of writing-intensive courses, one in the humanities or social sciences (e.g., history, philosophy, anthropology), and one focusing on English-language literature.
- Laboratory coursework: In some instances, actual laboratory work experience may substitute for laboratory courses.
- Integrated science courses that include biology, chemistry, physics and mathematical aspects of life sciences, may be substituted for coursework in the three basic science areas on a credit-hour-by-hour basis. These courses should be rigorous, and competency in basic science content must be corroborated by achievement in other areas such as advanced science courses, research, and/or MCAT scores.

West Virginia University

Link to website: <http://www.hsc.wvu.edu/som/students/>

Requirements:

- English - 6 hrs (can be one writing course and one English course)
- Social or Behavioral Science - 9 hrs.
- Biology or Zoology with labs - 8 hrs.
- General Chemistry with labs - 8 hrs.
- Organic Chemistry with labs - 8 hrs (one semester of Biochemistry may be substituted)
- Physics with labs - 8 hrs.

Western Michigan University

Link to website: <http://med.wmich.edu/admissions>

- **Biology (two semesters)**, including content in molecular and cellular biology, fundamentals of genetics and a laboratory experience.
- **English (two semesters)**, preferably including content in technical writing skills; one semester may be a discipline-specific intensive writing course.
- **Inorganic chemistry (two semesters)**, including a laboratory experience.
- **Organic chemistry (two semesters)**, including a laboratory experience **or** Organic chemistry (one semester) including a laboratory experience, plus Biochemistry (one semester).
- **Physics (two semesters)**, including a laboratory experience.

Wright State University

Link to website: <http://www.med.wright.edu/admiss>

Requirements:

- One year of college biology with labs
- One year of college general chemistry with labs
- One year of college organic chemistry with labs
- One year of college physics with labs
- One year of college mathematics (through trigonometry; calculus preferred)
- One year of college English

Yale University School of Medicine

Link to website: <http://medicine.yale.edu/education/admissions>

Requirements:

- Attendance for three academic years, or the equivalent, at an accredited college, university, or institute of technology.
- Satisfactory completion of the following courses including laboratory work:
 - General Biology or Zoology
 - General Chemistry
 - Organic Chemistry
 - General Physics
- Acceptable courses in these subjects usually extend over one year and are given six to eight semester hours of academic credit.