

Medicine (M.D. & D.O.) and Podiatric Medicine (D.P.M.)

- **The course prerequisites for admission vary among medical schools.** We have provided a list of the most common prerequisites below. Verify school-specific prerequisites by visiting their websites.
- **AP/IB Credit:** Not all medical schools will accept AP or IB credit to meet program prerequisites. Thus, if you have AP or IB credit for any of the prerequisites, you may want to retake those courses in college.
- **Community college courses, online courses:** Medical schools may accept community college coursework for certain prerequisites only. Check the Medical School Admissions Requirements online guide or each school's own website to check their policy. You should complete all 3000- and 4000-level prerequisites at a four-year institution. Before enrolling in an *online* prerequisite course, contact your schools of interest to determine if distance or online prerequisite coursework is accepted.
- **Most medical schools require a C or above (not C-) in all prerequisites.** However, the science prerequisites are also tested on the MCAT. If you earn below a B in any science prerequisite, we recommend repeating that course to master the material.

MATH

Most medical schools require two semesters of college mathematics.
Choose two from the list below.

- Precalculus: MATH 1150 (4)
(This course covers both algebra and trigonometry in a single semester)

Highly recommended for all pre-med students (statistics concepts are tested on the MCAT)

- One of the following statistics courses:
PSYC 2111 (4), IPHY 2800 (4), IPHY 3280 (4), or MATH 2510 (3)

A handful of medical schools specifically require Calculus 1.

- Calculus 1: MATH 1300 (5)

ENGLISH LITERATURE and/or WRITING

(Note: Some schools specifically require one semester of each)

- Any ENGL or WRTG course (or a scientific writing course)
- Another ENGL or WRTG course (or a scientific writing course)

CHEMISTRY

Recommended but optional:

Introductory Chemistry

- CHEM 1021 (4 – lecture and lab are combined)



General Chemistry 1 with lab
Math prerequisite: Precalculus

- Lecture: CHEM 1113 (4)
- Lab: CHEM 1114 (1)



General Chemistry 2 with lab

- Lecture: CHEM 1133 (4)
- Lab: CHEM 1134 (1)



Organic Chemistry 1* with lab

- Lecture: CHEM 3311 (4)
- Lab: CHEM 3321 (1)



One semester of Biochemistry

- BCHM 4611 (3)
Prerequisite: 0 Chem 1 Lecture

Some, but not all, require Organic Chemistry 2. It can be taken after the MCAT.



Organic Chemistry 2* with lab

- Lecture: CHEM 3331 (4)
- Lab: CHEM 3341 (1)

***Non-degree pre-health students can enroll early.**

Biology Option 1

General Biology 1, with lab

- Lecture: EBIO 1210 (3)
- Lab: EBIO 1230 (1)



General Biology 2, with lab

- Lecture: EBIO 1220 (3)
- Lab: EBIO 1240 (1)



Not an official prerequisite at most schools, but often recommended

A Genetics lecture course

- Choose one:
- MCDB 2150 (3) -OR-
 - EBIO 2070 (4) -OR-
 - IPHY 4200 (3)

Biology Option 2

Intro to Cellular and Molecular Bio lecture

- MCDB 1150 (3)



MCDB Genetics lecture

- MCDB 2150 (3)



2 credit hours of first-year biology labs: Choose one:

- MCDB 1151 (1) and MCDB 2151 (1)
- MCDB 1161 (2)
- MCDB 1171 (2)
- MCDB 1181 (2, same as IPHY 1181)
- MCDB 2171 (2)



Not required, but strongly recommended to prepare for MCAT (unless you mastered this topic in AP/IB biology)

Human Anatomy*

We recommend taking lecture and lab.

- Lecture: IPHY 3410 (3)
- Lab: IPHY 3415 (2)



Human Physiology* lecture

- Lecture: IPHY 3430 (4)

Biology Option 3

General Biology 1, with lab

- Lecture: EBIO 1210 (3)
- Lab: EBIO 1230 (1)



MCDB Genetics lecture

- MCDB 2150 (3)



2 credit hours of first-year biology labs: Choose one:

- MCDB 1151 (1) and MCDB 2151 (1)
- MCDB 1161 (2)
- MCDB 1171 (2)
- MCDB 1181 (2, same as IPHY 1181)
- MCDB 2171 (2)



Not required, but strongly recommended to prepare for MCAT (unless you mastered this topic in AP/IB biology)

Human Anatomy*

We recommend taking lecture and lab.

- Lecture: IPHY 3410 (3)
- Lab: IPHY 3415 (2)



Human Physiology* lecture

- Lecture: IPHY 3430 (4)

** Non-degree pre-health students can enroll early.*

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PHYSICS Option 1

(This is the recommended Physics sequence for pre-health students, unless your major requires the other sequence)

Algebra-Based Physics 1, with lab

Math prerequisite: high school algebra and trigonometry (both are covered in Precalculus)

- PHYS 2010 (5 – lecture and lab are combined)



Algebra-Based Physics 2, with lab

- PHYS 2020 (5 – lecture and lab are combined)

PHYSICS Option 2

Calculus-Based Physics 1

Math corequisite: Calculus 1

- PHYS 1110 (4 – lecture only)



Calculus-Based Physics 2

Math corequisite: Calculus 2

- PHYS 1120 (4 – lecture only)



Experimental Physics 1

This is the only lab needed if you complete this entire physics sequence.

- PHYS 1140 (1)