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

Although the coursework listed below will meet the requirements for most medical schools, there is some variability among school policies. You must verify the prerequisites for each of the schools that interest you. Be aware that 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 the courses during college (especially at the honors level, when possible).

**Most medical schools require a C or above in all prerequisites**, but be aware that most of these courses will be tested on the MCAT. If you earn a C or C+ in a course that is on the MCAT, you may want to repeat that course to master the material.

### MATH

Most medical schools require two semesters of college mathematics.

(Note: If you have already mastered the subjects listed here, you may take higher-level courses in the MATH department to fulfill the math prerequisite.)

Minimum:
- Precalculus: MATH 1150 (4)

Highly recommended for all pre-med students:
- One of the following statistics courses:
  - PSYC 2111 (4), IPHY 2800 (4), or MATH 2510 (3)
  (Statistics concepts are tested on the MCAT)

Less than 10% of medical schools specifically require Calculus 1:
- Calculus 1: MATH 1300 (5) - OR -
- Calculus, Systems, and Modeling: MATH 1310 (5)
  We recommend MATH 1310, which teaches calculus in a biological context.

### 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)

**Organic Chemistry 2, with lab**
- Lecture: CHEM 3331 (4)
- Lab: CHEM 3341 (1)

**One semester of Biochemistry**
  (no lab needed)
  Choose one (either is fine):
  - CHEM 4611 (3) - OR -
  - CHEM 4700 (3)

### 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)

### GENERAL PSYCHOLOGY

(Tested on the MCAT, but not an official prerequisite at most schools)
- PSYC 1001 (3)

### INTRO TO SOCIOLOGY

(Tested on the MCAT, but not an official prerequisite at most schools)
- SOCY 1001 (3)
# Biology Options

## Biology Option 1
- **General Biology 1, with lab**
  - Lecture: EBIO 1210 (3)
  - Lab: EBIO 1230 (1)

## Biology Option 2
- **Intro to Cellular and Molecular Bio, with lab**
  - Lecture: MCDB 1150 (3)
  - Lab: MCDB 11151 or MCDB 1161 or MCDB 1171

## Biology Option 3
- **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)

## MCDB Genetics, with lab
- **Lecture:** MCDB 2150 (3)
- **Lab:** MCDB 2151 or MCDB 2161 or MCDB 2171

### Not Required, but Very Strongly Recommended to Prepare for MCAT
- Unless you mastered this topic in AP/IB biology

### A Genetics lecture course
Choose one:
- MCDB 2150 (3) - OR -
- EBIO 2070 (4) - OR -
- IPHY 4200 (3)

### Human Physiology
- For non-IPHY majors:
  - IPHY 3430 (3; lab not needed)

**IPHY majors must take the following physiology sequence for the major:**
- IPHY 3470 (3) - AND -
- IPHY 3480 (3) - AND -
- IPHY 3435 (2)

### Not an official prerequisite at most schools, but strongly recommended by nearly all schools:

- **Experimental Physics 1**
  - This is the only lab needed if you complete this entire physics sequence.
  - **PHYS 1140** (1)

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# Physics Options

## Physics Option 1
- **Algebra-Based Physics 1, with lab**
  - Math prerequisite: high school algebra and trigonometry (both are covered in Precalculus)
  - Lecture: PHYS 2010 (5 – lecture and lab are combined)

## Physics Option 2
- **Calculus-Based Physics 1**
  - Math corequisite: Calculus 1
  - Lecture: PHYS 1110 (4 – lecture only)

## Physics Option 3
- **Calculus-Based Physics 2**
  - Math corequisite: Calculus 2
  - Lecture: PHYS 1120 (4 – lecture only)

## Experimental Physics 1
- This is the only lab needed if you complete this entire physics sequence.
  - **PHYS 1140** (1)