Continuing Education
UNIVERSITY OF COLORADO BOULDER

Pre-Health Advising
1505 University Avenue
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Prerequisites: Certified Anesthesiologist Assistant (CAA)

Prerequisite tips:

- **The course prerequisites for admission vary among CAA education programs.** We have provided a list of the most common prerequisites below. Verify school-specific prerequisites by visiting their websites or within the CASAA application.
- **Most CAA programs require a B- or above in all prerequisites**.
- **Science prerequisite "expiration dates"**: Some CAA programs require applicants to have completed their science prerequisites within 5-7 years prior to enrollment, though some may make exceptions for applicants who score well on the MCAT.
- **AP/IB Credit:** Check to see if the CAA schools you are considering will accept AP/IB credit to meet program prerequisites. Some will allow students with AP/IB credit take a higher-level course rather than repeat the same course.
- **Community college courses, online courses**: Most CAA programs will accept courses completed at a regionally-accredited community college. There may be exceptions for certain courses, such as anatomy, physiology, and other upper-division (junior/senior level) prerequisites. Before enrolling in an *online* college course, contact your selected CAA programs in advance to determine if distance or online courses are accepted.

STATISTICS

Choose one:

- ☐ PSYC 2111 (4)
- ☐ IPHY 3280 (4)
- ☐ EBIO 4410 (4)
- ☐ MATH 2510 (3)

CALCULUS 1

Required by some schools; recommended by others

- ☐ Calculus 1: MATH 1300 (5)

ENGLISH LIT or WRITING

- ☐ An ENGL or WRTG course

CHEMISTRY

Recommended but optional:
Introductory Chemistry
- ☐ CHEM 1021 (4 – lecture and lab are combined)

General Chemistry 1, with lab
Math prerequisite:
College Algebra or 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)

Some CAA schools allow you to take either O Chem 2 or Biochem. Others, such as CU, require both.

Organic Chemistry 2, with lab*
(Not required by all schools)
- ☐ Lecture: CHEM 3331 (4)
- ☐ Lab: CHEM 3341 (1)

One semester of Biochemistry
- ☐ BCHM 4611 (3)
  Prerequisite: O Chem 1 Lecture

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

Updated August 2026

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)

Human Anatomy*
- *Required or strongly recommended at most schools. The lab may not be required but is strongly recommended to help you learn the material.*

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

Human Physiology *
- *Physiology lecture is required or strongly recommended at most schools.*
- *Physiology lab is not required by any school, but is recommended by several.*

- ☐ Lecture: IPHY 3430 (4)
- ☐ Lab: IPHY 3435 (2)

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

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 1161 (2)
- ☐ MCDB 1171 (2)
- ☐ MCDB 2161 (2)
- ☐ MCDB 2171 (2)

Human Anatomy*
- *Required or strongly recommended at most schools. The lab may not be required but is strongly recommended to help you learn the material.*

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

Human Physiology *
- *Physiology lecture is required or strongly recommended at most schools.*
- *Physiology lab is not required by any school, but is recommended by several.*

(Prerequisite: Human Anatomy lecture)

- ☐ Lecture: IPHY 3430 (4)
- ☐ Lab: IPHY 3435 (2)

PHYSICS Option 1

(this is the recommended Physics sequence for pre-health students)

Precalculus-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)

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Precalculus-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)

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Calculus-Based Physics 2
Math corequisite: Calculus 2

☐ PHYS 1120 (4 – lecture only)

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Experimental Physics 1
This is the only lab needed if you complete this entire physics sequence.

☐ PHYS 1140 (1)