Many pharmacy schools require only 90 hours of undergraduate coursework; they do not require an undergraduate degree. Although the prerequisite coursework listed below will meet the requirements for some pharmacy schools, details and specifics will always vary from school to school. It is your responsibility to verify the prerequisites for each of the schools to which you would like to apply. Please be aware that pharmacy schools have differing policies for accepting AP or IB credit to meet program prerequisites. Students should contact the schools to which they would like to apply to find out that school's policy. Many students choose to retake the science prerequisites during college, but this decision must be made on an individual basis. We recommend that you speak to an advisor when making this choice.

**Most pharmacy schools require a C or above in all prerequisites**, but if you earn a C or C+ in a course that is on the PCAT, you may want to repeat that course to master the material.
Physics

Many, but not all, pharmacy schools require Physics. Lab may or may not be required.

We recommend:

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

But if you plan to complete a major in Physics, Engineering, or Biochemistry, you must take calculus-based physics instead:

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

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

- **Experimental Physics (Lab)**
  - PHYS 1140 (1)

Chemistry

**Recommended but optional:** Introductory Chemistry

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

Microbiology

- EBIO 3400 (4 – lecture and lab are combined)

Calculus 1

*Choose one:*

- **Calculus 1:**
  - MATH 1310 (5)
- OR-
  
  - **Calculus, Systems, and Modeling:**
    - MATH 1310 (5)
    - We recommend MATH 1310, which teaches calculus in a biological context.

Economics

- **Recommended:** Microeconomics
  - ECON 2010

- Some schools accept Macroeconomics instead:
  - ECON 2020

Public Speaking

- COMM 1300 (3)

Writing

Generally, two semesters of writing are required. Most commonly, students complete the following:

- **First-year writing:**
  - WRTG 1150 (3)

- **Upper-division writing:**
  - WRTG 3020 (or a 3000-level scientific writing course in EBIO or IPHY) (3)