Physical Therapy (P.T.)

Although the coursework listed below will meet the requirements for most physical therapy 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 physical therapy 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). Since most students will not know what schools they will apply to when they are planning their schedules, many students choose to retake the science prerequisites or take the honors version of the course. The decision should be made on an individual basis and it is recommended that students speak to an advisor when making this choice.

Most physical therapy schools require a C or above in all prerequisites.

**MATH**

Typically, one semester of statistics is required, as well one semester of trigonometry or calculus.

**Trigonometry:**
- College Trigonometry: MATH 1021 (2)

**Statistics:**
- One of the following statistics courses: PSYC 3101 (4), IPHY 2800 (4), or MATH 2510 (3)

**Calculus:**
- Calculus 1: MATH 1300 (5) -OR-
  - Calculus, Stochastics, and Modeling: MATH 1310 (5)
  
  *The MATH 1310 version of Calc 1 is also known as “Calculus with Biological Applications.”*

**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 lecture**
- Prerequisite for recommended Biochemistry
  - Lecture: CHEM 3311 (4)

**One semester of Biochemistry**
- (no lab needed)
  - Recommended by some PT programs
  - Choose one (either is fine):
    - CHEM 4611 (3) -OR-
    - CHEM 4711 (3)

**ENGLISH COMPOSITION or WRITING**

(3 CREDITS)

**PSYCHOLOGY**

Often, abnormal and developmental psychology are required. Check individual schools for specific psychology requirements

- General Psychology: PSYC 1001 (3) – Prerequisite for Abnormal and Developmental Psychology
- Developmental Psychology: PSYC 3684 (3)
- Abnormal Psychology: PSYC 3303 (3)
### 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, with lab**
  - Lecture: IPHY 3410 (3)
  - Lab: IPHY 3415 (2)
- **Human Physiology, with lab**
  - For non-IPHY majors:
    - IPHY 3430 (3)
    - IPHY 3435 (2)
  - IPHY majors must take the following physiology sequence for the major:
    - IPHY 3470 (3) - AND -
    - IPHY 3480 (3) - AND -
    - IPHY 3435 (2)

### Biology Option 2
- **Intro to Cellular and Molecular Bio, with lab**
  - Lecture: MCDB 1150 (3)
  - Lab: MCDB 1161 or MCDB 1171 (1)
- **MCDB Genetics, with lab**
  - Lecture: MCDB 2150 (3)
  - Lab: MCDB 2151 or MCDB 2161 or MCDB 2171 (1)
- **Human Anatomy, with lab**
  - Lecture: IPHY 3410 (3)
  - Lab: IPHY 3415 (2)
- **Human Physiology, with lab**
  - For non-IPHY majors:
    - IPHY 3430 (3)
    - IPHY 3435 (2)
  - IPHY majors must take the following physiology sequence for the major:
    - IPHY 3470 (3) - AND -
    - IPHY 3480 (3) - AND -
    - IPHY 3435 (2)

### Biology Option 3
- **General Biology 1, with lab**
  - Lecture: EBIO 1210 (3)
  - Lab: EBIO 1230 (1)
- **MCDB Genetics, with lab**
  - Lecture: MCDB 2150 (3)
  - Lab: MCDB 2151 or MCDB 2161 or MCDB 2171 (1)
- **Human Anatomy, with lab**
  - Lecture: IPHY 3410 (3)
  - Lab: IPHY 3415 (2)
- **Human Physiology, with lab**
  - For non-IPHY majors:
    - IPHY 3430 (3)
    - IPHY 3435 (2)
  - IPHY majors must take the following physiology sequence for the major:
    - IPHY 3470 (3) - AND -
    - IPHY 3480 (3) - AND -
    - IPHY 3435 (2)
Additional Courses that may be required or recommended depending on the PT school

Exercise Physiology: IPHY 4650 (5)
Cell Biology: MCBD 3135 (3)
Biomechanics: IPHY 4540 (5)
Speech Communication
Motor Control/Motor Learning
Neuroscience/Neuroanatomy