

**THIS PATHWAY HAS NOT BEEN UPDATED FOR THE 2022/2023 ACADEMIC YEAR. USE THE [22/23 COURSE CATALOG](#) TO TRACK YOUR PROGRESSION!**

## Biology Pre-Physical Therapy Major

(For entering students who are not Calculus ready)

(65 Credits)

### First-Year Fall

<b>B21X / B22X*</b> Gen Bio / Biology Experience	4
<b>M148</b> Calculus w/ Precalculus I	4
<b>Total Major Credits</b>	<b>4 cr.</b>
Total Semester Credits Recommended	<b>15 cr.</b>

### Freshman Year Spring

<b>B21X / B22X*</b> Gen Bio / Biology Experience	4
<b>B21X*</b> Gen Bio	3
<b>M149</b> Calc with Precalc II	4
<b>Total Major Credits</b>	<b>11 cr.</b>
Total Semester Credits Recommended	<b>15 cr.</b>

### Sophomore Year Fall

<b>B305</b> Human Anatomy with Lab	4
<b>C131/C133</b> General Chemistry I / Lab	4
<b>Total Major Credits</b>	<b>8 cr.</b>
Total Semester Credits Recommended	<b>17 cr.</b>

### Sophomore Year Fall

<b>B313</b> Physiology with Lab	4
<b>C142/C144</b> General Chemistry II / Lab	4
<b>Total Major Credits</b>	<b>8 cr.</b>
Total Semester Credits Recommended	<b>15-18 cr.</b>

### Junior Year Fall

<b>B311</b> Cell Biology with Lab	3
<b>B392</b> Biostatistics	3
<b>C321/C323</b> Organic Chemistry I / Lab	4
<b>B492</b> Experimental Planning	1
<b>Total Major Credits</b>	<b>11 cr.</b>
Total Semester Credits Recommended	<b>16-18 cr.</b>

### Junior Year Spring

<b>B310</b> Genetics with Lab	4
<u>Select one (1). Can complete in any Fall or Spring</u>	3
<b>PH305</b> Health Care Ethics <b>OR</b>	
<b>PH343</b> Contemporary Ethical Issues <b>OR</b>	
<b>PH346</b> Ethical Issues in Science	
<b>Total Major Credits</b>	<b>7 cr.</b>
Total Semester Credits Recommended	<b>15-18 cr.</b>

### Senior Year Fall

<b>B434</b> Microbiology with Lab	3
<b>P201/P202 or P180/P181</b> Introductory Physics I / Lab	4
<b>Total Major Credits</b>	<b>7 cr.</b>
Total Semester Credits Recommended	<b>15-18 cr.</b>

### Senior Year Spring

<b>B435</b> Immunology with Lab	3
<b>B493</b> Biology Research & Thesis	2
<b>P211/P212 or P190/P191</b> Introductory Physics II / Lab	4
<b>Total Major Credits</b>	<b>9 cr.</b>
Total Semester Credits Recommended	<b>15-18 cr.</b>

The template offered above is an optimal pathway to completion of the major. However, several factors affect a student's ability to follow this specific pathway, including timing of a student's decision to major, course availability, course demand, course scheduling conflicts, and faculty availability. Therefore, a student may not follow this specific pathway to completion of the major. A student may use the pathway as a resource and preparation guide, but a student's academic adviser is the best resource for planning course schedules.

Additional courses that are often required by Physical Therapy Programs (consult with your advisor or the Director of Allied Health):

B409 Biochemistry & Lab (4)  
S110 Sociological Imagination (3)  
PY111 General Psychology (3)  
PY211 Developmental Psychology (3)  
PY220 Abnormal Psychology (4)  
B306 Medical Terminology (2)  
Public Speaking (3) (covered by IGEP)

Additional recommended courses:

B412 Molecular Biology & Lab (3)  
C322 Organic Chemistry II & Lab (4)

\*Gen Bio I (B212), Gen Bio II (B214), Gen Bio III (B216), Field Experience (B221), and Lab Experience (B223) should be taken during the first year. If not possible, then the classes must be taken within the first 1.5 years. The order in which these courses are taken will impact pre-reqs, so students may need to make adjustments to the paradigm in their sophomore and junior years accordingly.