

Pre-Professional Health Physical Therapy Programs

The following list will take you to the curriculum maps for each potential pre-professional health major for the physical therapy field:

- [B.S. Biology/Pre-Physical Therapy](#)
- [B.S. Chemistry/Pre-Physical Therapy](#)
- [B.S. Molecular Biology and Biotechnology/Pre-Physical Therapy](#)
- [B.S. Nutrition and Fitness/Pre-Physical Therapy](#)
- [B.A. Psychology/Pre-Physical Therapy](#)
- [B.S. Psychology/Pre-Physical Therapy](#)
- [B.A. Sociology/Pre-Physical Therapy](#)

Tentative Four-Year Plan: BS Biology Degree / Pre-PT

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physical Therapy programs for pre-requisites not included below. Some possible recommended courses may include: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four-Year Plan: BS Biology Degree / Pre-PT		
Class	Fall Term	Spring Term
Freshman	BIOL 105: Freshman Biology Seminar BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory INQ 1XX Freshman Inquiry Seminar ENG 111: College Writing <div style="text-align: right;">Credits: 15</div>	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory MATH 171: Precalculus PSY 211: General Psychology <div style="text-align: right;">Credits: 15</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	BIOL 201: Genetics BIOL 203: Cell Biology CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Laboratory MATH 270: Calculus I Gen Ed: NFSS 1XX <div style="text-align: right;">Credits:15</div>	BIOL 202: Principles of Ecology BIOL 341: General Microbiology CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory Gen Ed: English <div style="text-align: right;">Credits: 14</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	BIOL 251: Human Anatomy & Physiology I BIOL 261: Human Anatomy & Physiology I Lab PH 251: General Physics I BCHM 453: Biochemistry I SOC 211: Principles of Sociology NFSS 111: Health Education <div style="text-align: right;">Credits: 16</div>	BIOL 252: Human Anatomy & Physiology II BIOL 262: Human Anatomy & Physiology II Lab PH 252: General Physics II BIOL Elective (BIOL 300+) MATH 221: Elem. Applied Stats <div style="text-align: right;">Credits: 14</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	BIOL Elective (BIOL 300+) BIOL Elective (BIOL 300+) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) <div style="text-align: right;">Credits: 15-17</div>	BIOL Elective (BIOL 300+) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: PHIL 301 Bioethics <div style="text-align: right;">Credits: 15-16</div>
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Tentative Four-Year Plan: BS Chemistry / Pre-PT

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Physical Therapy program requirements not covered below. Some possible recommended courses would include the following: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four-Year Plan: BS Chemistry / Pre-PT		
Class	Fall Term	Spring Term
Freshman	CHEM 151: Chemical Principles I CHEM 161: Chemical Principles Lab MATH 171: Precalculus BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Lab INQ 1XX: Freshman Inquiry Seminar <div style="text-align: right;">Credits: 15</div>	CHEM 152: Chemical Principles II CHEM 162: Chemical Principles. II Lab MATH 270: Calculus I BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Lab ENG 111: College Writing <div style="text-align: right;">Credits: 15</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Lab MATH 271: Calculus II PH 251: General Physics I OR PH 258: Introduction to Physics I PH 268: Introduction to Physics I Lab PSY 211: General Psychology <div style="text-align: right;">Credits: 15</div>	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Lab CHEM 265: Inorganic Chemistry I CHEM 266: Inorganic Chemistry I Lab PH 252: General Physics II OR PH 258: Introduction to Physics II PH 268: Introduction to Physics II Lab Gen Ed: English <div style="text-align: right;">Credits: 15</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	CHEM 353: Analytical Chemistry I CHEM 363: Analytical Chemistry I Lab CHEM 366: Inorganic Chemistry II CHEM 367: Inorganic Chemistry II Lab BIOL 201: Genetics SOC 211: Principles of Sociology <div style="text-align: right;">Credits: 14</div>	CHEM 358 Analytical Chemistry II CHEM 368 Analytical Chemistry II Lab CHEM 257 Organic Spectroscopy BIOL 341: Microbiology Gen Ed: Elective (as needed) NFSS 111 Health Education <div style="text-align: right;">Credits: 16</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	CHEM 354: Physical Chemistry I CHEM 364 Physical Chemistry I Lab BCHM 453 Biochemistry I BCHM 463 Biochemistry Lab Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) NFSS1XX Health Education <div style="text-align: right;">Credits: 15</div>	CHEM 355 Physical Chemistry II CHEM 470 Chemistry Seminar Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) <div style="text-align: right;">Credits: 15</div>
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Tentative Four-Year Plan: BS Molecular Biology and Biotechnology / Pre-PT

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Physical Therapy program requirements not covered below. Some possible recommended courses would include the following: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four-Year Plan: BS Molecular Biology and Biotechnology / Pre-PT		
Class	Fall Term	Spring Term
Freshman	BIOL 105: Freshman Biology Seminar BIOL 155: Principles of Biology I BIOL165: Principles of Biology I Laboratory CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory INQ 1XX: Freshman Inquiry Seminar ENG 111: College Writing <div style="text-align: right;">Credits: 15</div>	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory CHEM 154: General Chemistry II CHEM:164: General Chemistry II Laboratory MATH 171: Precalculus PYSH 211: General Psychology <div style="text-align: right;">Credits: 15</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	BIOL 201: Genetics BIOL 203: Cell Biology CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Laboratory SOC 211: Principles of Sociology NFSS 111: Health Education <div style="text-align: right;">Credits:15</div>	BIOL 341: General Microbiology CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory MATH 270: Calculus I Gen Ed: English <div style="text-align: right;">Credits: 15</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	BIOL 251: Anatomy and Physiology I BIOL 261: Anatomy and Physiology I Laboratory PH 251: General Physics I BCHM 453: Biochemistry BCHM 463: Biochemistry Lab BIOL 483: Molecular Biology <div style="text-align: right;">Credits: 16</div>	BIOL 252: Anatomy and Physiology II BIOL 262: Anatomy and Physiology Laboratory II PH 252: General Physics II MATH 221: Statistics Gen Ed: Elective (as needed) <div style="text-align: right;">Credits: 14</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	BIOL Elective (BIOL 300+) BIOL Elective (BIOL 300+) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) <div style="text-align: right;">Credits: 15-17</div>	BIOL 485: Biotechnology BIOL 450: Cell Physiology Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Personal Performance: 1 Cr PE <div style="text-align: right;">Credits: 15</div>
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Tentative Four Year Plan: BS Nutrition and Fitness Degree / Pre-PT

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physical Therapy programs for pre-requisites not included below. Some possible recommended courses may include: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four Year Plan: BS Nutrition and Fitness Degree / Pre-PT		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principals of Biology I BIOL 165: Principals of Biology I Laboratory CHEM 205: Nutrition I ENG 111: College Writing INQ 1XX: Freshman Inquiry Seminar NFSS 160: Intro. to Nutrition and Fitness <div style="text-align: right;">Credits: 16</div>	BIOL 156: Principals of Biology II BIOL 166: Principals of Biology II Laboratory COM 113: Public Speaking MATH 221: Elementary Applied Statistics NFSS 111: Health Education NFSS: Elective in major PSY 211: General Psychology <div style="text-align: right;">Credits: 18</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	BIOL 251: Human Anatomy & Physiology I BIOL 261: Human Anatomy & Physiology I Lab CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory ENG 1XX: (student choice) NFSS 402: N&F Seminar 2 NFSS: Elective in major <div style="text-align: right;">Credits: 16</div>	BIOL 252: Human Anatomy & Physiology II BIOL 262: Human Anatomy & Physiology II Lab CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory NFSS 334: Food, Fitness, Wgt. Management NFSS 407: Physiological Found. Of Coaching SOC 211: Principles of Sociology <div style="text-align: right;">Credits: 17</div>
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Summer: Job Shadow, Clinical Experience

Junior	BIO 203: Cell Biology CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Lab NFSS 421: Nutrition II NFSS: Elective in major NFSS: Personal Performance PHIL 301: Bioethics <div style="text-align: right;">Credits: 17</div>	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Lab MATH 270: Calculus NFSS 425: Nut. Assess & Counsel NFSS 426: Nut & Fit Through the Lifecycle NFSS 431: Fit Assess & Prescription <div style="text-align: right;">Credits: 16</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Senior	AH 101: Medical Terminology BCHM 453: Biochemistry Gen Ed: Arts & Humanities NFSS 429: Nutrition Education PH 251: General Physics I <div style="text-align: right;">Credits: 16</div>	AH 301: Research Methods NFSS 449: Internship in Nutrition and Fitness NFSS 407: Kinesiology NFSS: Elective in major PH 252: General Physics II <div style="text-align: right;">Credits: 16</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Note – This tentative academic plan assumes that the required course for physical therapy programs will not be completed until after graduation. Thus the student will apply after graduation and have a gap/push year before matriculating into a physical therapy program. Please consult your pre-professional advisor for the feasibility of completing the physical therapy requirements in three years and thus apply before graduation.

Tentative Four-Year Plan: BA Psychology/Pre-Physical Therapy

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physical Therapy programs for pre-requisites not included below. Some possible recommended courses may include: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four-Year Plan: BA Psychology/Pre-Physical Therapy		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory ENG 110 or 111: Writing PSY 211: General Psychology SPAN 151/FR 151: Spanish I/French I INQ 1XX Freshman Inquiry Seminar Credits: 16	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory MATH 171: Pre-calculus ENG 111 or advanced writing course PSY 310: Developmental Psychology SPAN 152/FR 152: Spanish II/French II Credits: 17

Summer: Job Shadow

Sophomore	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory MATH 270: Calculus I PH 251: General Physics I PSY 301: Statistics SPAN 251/FR 251: Spanish III/French III Gen Ed: NFSS 1XX Credits: 18	CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory PH 252: General Physics II PSY 311: Research Methods PSY 354: Abnormal Psychology SPAN 252/FR 252: Spanish IV/French IV NFSS 111: Health Education Credits: 18
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Summer: Job Shadow and Test Prep (GRE)

Junior	CHEM 251: Organic Chemistry CHEM 261: Organic Chemistry Laboratory MATH 271: Calculus II PSY 355: Social Psychology PSY 3XX: Elective PSY 3XX: Elective Credits: 17	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory PHIL 111: Critical Thinking PS 211: American Government PSY 3XX: Elective PSY Elective Credits: 16
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Summer: Take GRE and Submit Application

Senior	ECON 221 or 222: Micro or Macro Economics PHIL 212: Ethics PSY 470: Senior Seminar PSY Elective HSC 275 Functional Kinesiology Credits: 15	AH 101: Medical Terminology Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Credits: 15
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Tentative Four-Year Plan: BS Psychology/Pre-Physical Therapy

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physical Therapy programs for pre-requisites not included below. Some possible recommended courses may include: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four-Year Plan: BS Psychology/Pre-Physical Therapy		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory ENG 110 or 111: Writing PSY 211: General Psychology General Education Skills Course INQ 1XX Freshman Inquiry Seminar Credits: 16	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory MATH 171: Pre-calculus ENG 111 or advanced writing course PSY 310: Developmental Psychology General Education Skills Course Credits: 17

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory MATH 270: Calculus I PH 251: General Physics I PSY 301: Statistics General Education Arts and Humanities Course Gen Ed: NFSS 1XX Credits: 18	CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory PH 252: General Physics II PSY 311: Research Methods PSY 354: Abnormal Psychology General Education Arts and Humanities Course NFSS 111: Health Education Credits: 18
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	CHEM 251: Organic Chemistry CHEM 261: Organic Chemistry Laboratory MATH 271: Calculus II PSY 355: Social Psychology PSY 351: Biopsychology PSY 3XX: Elective Credits: 17	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory PHIL 111: Critical Thinking PS 211: American Government PSY 3XX: Elective PSY 454: Personality Credits: 16
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Summer: Job Shadow, Clinical Experience, GRE Prep

Senior	ECON 221 or 222: Micro or Macro Economics PHIL 212: Ethics PSY 470: Senior Seminar PSY Elective BCHM 453: Biochemistry BCHM 463: Biochemistry Lab Credits: 16	AH 101: Medical Terminology PSY Elective PSY Elective HSC 275 Functional Kinesiology Elective Credits: 15
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Summer: Take GRE, Clinical Experience, and Submit Application

Note – This tentative academic plan assumes that the required course for physical therapy programs will not be completed until after graduation. Thus the student will apply after graduation and have a gap/push year before matriculating into a physical therapy program. Please consult your pre-professional advisor for the feasibility of completing the physical therapy requirements in three years and thus apply before graduation.

Tentative Four-Year Plan: BA Sociology/Pre-Physical Therapy

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Physical Therapy program requirements not covered below. Some possible recommended courses would include the following: Microeconomics or Macroeconomics, Kinesiology, and Medical Terminology

Tentative Four-Year Plan: BA Sociology/Pre-Physical Therapy		
Class	Fall Term	Spring Term
First Year	BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory ENG 111: College Writing SOC 211: Principles of Sociology SPAN 151/FR 151 or CIS 110: Spanish I/French I or Computer Information Processing INQ 1XX Freshman Inquiry Seminar <div style="text-align: right;">Credits: 16</div>	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory ANTH 211: Humans and Culture PS 211: American Government SOC Elective SPAN 152/FR 152 or CIS 202: Spanish II/French II or Intro Event Drive Program <div style="text-align: right;">Credits: 16</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory GEN ED: English Composition PH 251: General Physics I SOC 310 or SOC 312: Classical Social Theory or Microsociology SPAN 251/FR 251 or CIS 217: Spanish III/French III or Application of Microcomputers <div style="text-align: right;">Credits: 16</div>	CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory MATH 221: Elementary Applied Statistics PH 252: General Physics II SOC Elective SPAN 252/FR 252 or CIS 301: Spanish IV/French IV or Computer Systems Analysis <div style="text-align: right;">Credits: 16</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	BIOL 251: Anatomy & Physiology I BIOL 252: Anatomy & Physiology I Lab PSY 211: General Psychology SOC 450 or SOC 451: Research Methods SOC Elective SOC/SW Elective <div style="text-align: right;">Credits: 16</div>	BIOL 261: Anatomy & Physiology II BIOL 262: Anatomy & Physiology II Lab PHIL 111: Critical Thinking MATH 171: Precalculus SOC Elective SOC/SW Elective <div style="text-align: right;">Credits: 16</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	<p>ECON 221 or 222: Micro or Macro Economics PHIL 212: Ethics GEN ED: Personal Performance MATH 270: Calculus SOC Elective SOC/SW Elective</p> <p style="text-align: right;">Credits: 16</p>	<p>COM 113: Public Speaking GEN ED: Arts & Humanities GEN ED (Social/Behavioral Science): WGS Course HPE 111: Health Education SOC Elective SOC/SW Elective</p> <p style="text-align: right;">Credits: 17</p>
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