



Physical Therapy Prerequisites

Name: _____

Major: _____

ID: _____

Primary Advisor: _____

Requirements vary depending on the specific PT program that you want to attend. You should examine the institution's website for specific requirements. Prerequisites listed here show what most physical therapy schools in the U.S. require. Students may also refer to the PTCAS Program Directory: <https://ptcasdirectory.apta.org/39/List-of-PTCAS-Programs>

Subject	WSU Courses	Sem/Year	Grade	Credits
Biology (usually a complete intro year-long series with labs is recommended or required) NOTE: <i>BIOL 102 - General Biology is a course for students not majoring in the life sciences (biology topics as "citizen scientists").</i> BIO 106/107 are prerequisites for BIOL 353.	[BSCI] BIOL 106 - Intro Biology: Organismal - Includes lab.			4
	[BSCI] BIOL 107 - Intro Biology: Cell Biology & Genetics - Includes lab.			4
Chemistry (usually a complete intro year-long series with labs) The CHEM 101/102 sequence is accepted by <i>some</i> PT programs (instead of CHEM 105/106 sequence). Check what your major requires; some STEM majors require CHEM 105 & 106.	[PSCI] CHEM 105 - Principles of Chemistry I* - Includes lab. *CHEM 105 has a higher math requirement than CHEM 101. Students who never had high school chemistry should consider taking CHEM 103 - Concepts in Chemistry before taking CHEM 105.			4
	[PSCI] CHEM 106 - Principles of Chemistry II - Includes lab.			4
Human Anatomy: NOTE: If you have previously completed the Anatomy & Physiology I and II course sequence at another institution, this sequence is usually accepted to fulfill the anatomy and physiology requirement.	[BSCI] BIOL 315 – Gross and Microanatomy <u>OR</u> KINES 262 – Human Anatomy* - Both include labs. *While some PT programs will accept kinesiology anatomy, others prefer or only accept anatomy and/or physiology courses completed in biology or other life science majors, which teach <i>all body systems</i> . Many prefer courses above the introductory level—KINES 262 is lower division.			4
Human Physiology: NOTE: You will be required to meet the requirements of your academic major. Coordinate PT prerequisites between your Academic Advisor (for the major) and your Pre-PT Specialist.	[BSCI] BIOL 353 – Advanced Human Physiology** <u>OR</u> [BSCI] NEURO 325 & 326 – Foundations of Medical Physiology Lecture and Lab, <u>OR</u> BIOL 251 – Introductory Human Physiology* - All include labs. *Some PT programs prefer or only accept anatomy and/or physiology courses completed in biology or other life science majors, which teach <i>all body systems</i> . Many prefer courses above the introductory level. **BIOL 106 and 107 are prerequisites.			4
1-upper division course in Exercise Physiology	KINES 380 - Intro to Exercise Physiology (preferred) <u>OR</u> BIOL 350 - Animal Physiology <i>This is separate from the Human Physiology requirement (listed above).</i>			3
1-upper division course in Movement Studies, Biology, or Zoology:	KINES 362 - Qualitative Biomechanics (preferred) CHEM 345 - Organic Chemistry I MBIOS 303 – Biochemistry BIOL/MBIOS 301 – Genetics BIOL 352 – Cells <u>OR</u> NEURO 301 & 302 – Foundations of Neuroscience I & II			3

Subject	WSU Courses	Sem/Year	Grade	Credits
Statistics Should cover descriptive and inferential statistics (as STAT 212 & PSYCH 311 do). STAT 212 and PSYCH 311 require 45% or higher on ALEKS or having a math course from a selected list— <i>check the course descriptions for math prerequisite.</i>	[QUAN] STAT 212 - Intro to Statistical Methods <u>OR</u> [QUAN] PSYCH 311 - Statistics in Psychology - Both include labs. <u>NOTE:</u> PSYCH 311 will fulfill some requirements for Psychology majors/minors.			4
Physics (usually a complete intro year-long series with labs)	[PSCI] PHYS 101 & 111 – General Physics I Lecture and Lab <u>OR</u> [Calculus-based PHYS 201 & 211] - WSU requires labs to be taken with the lecture, but some programs may not require labs. PHYS 101 requires one of these (or concurrent enrollment): MATH 108 (Cor better), 75% on the ALEKS, or passing MATH 140, 171, 202, or 206).			4
	[PSCI] PHYS 102 & 112 – General Physics II Lecture and Lab <u>OR</u> [Calculus-based PHYS 202 & 212]			4
Psychology Both PSYCH 333 & PSYCH 361 are usually required or recommended. Sometimes HD 101 or a series of HD courses can substitute for PSYCH 361 (check with prospective schools and your Pre-Health advisor).	[SSCI] PSYCH 105 - Intro to Psychology			3
	[SSCI] PSYCH 333 - Fundamentals of Psychological Disorders (formerly called Abnormal Psych)			3
	[SSCI] PSYCH 361* - Developmental Psychology *PSYCH 361 does not cover the entire lifespan. PSYCH 363 may need to be taken <u>in addition</u> to complete the lifespan, or alternatively, take HD 101 .			3 + 3
English Some programs require a second English class above the introductory level such as ENGL 402. Non-ENGL courses classified as "writing intensive" may also fulfill this requirement for some PT programs; however, check with potential schools and be prepared to submit a syllabus for approval of the course.	[WRTG] ENGL 101 – College Composition <u>OR</u> [HONORS] ENGL 298 – Writing and Research			3
	Second ENGL: [WRTG] ENGL 402 - Technical and Professional Writing <u>OR</u> [WRTG] ENGL 301 – Writing and Rhetorical Conventions			3
Other (may be required or recommended depending on the program) <u>NOTE:</u> MATH 106/108 are prerequisites for many STEM major science courses (CHEM 105/106, PHYS 102/112). Also helps with the math portion of the GRE as some PT programs require the GRE exam.	[BSCI] BIOL 220 - Medical Terminology - Take BIOL 220 <u>after having some biology</u> . <i>Prerequisite:</i> BIOL 101, 102, 106, 107, or KINES 262. MATH 106 – College Algebra <u>AND</u> MATH 108 – Trigonometry Some majors require Calculus. Coordinate math courses between your Academic Advisor and your Pre-PT Specialist.			
Recommended	PHIL 365 - Biomedical Ethics Can help with situational judgment tests and ethical reasoning admissions interview questions (e.g., MMIs and CASPer).			

WSU Cum. GPA	F20	F20	F20	F20	F20
	S20	S20	S20	S20	S20

PLAN/RECOMMENDATIONS: