

Doctor of Physical Therapy Prerequisite Rubric/Worksheet

Required Courses	Key concepts covered	Common Equivalent Course Names (Please note this list is not exhaustive. Courses listed below are just <i>some</i> of the courses that will satisfy prerequisites)	Applicant's equivalent course(s)
Anatomy (lab recommended) and Physiology <ul style="list-style-type: none"> Six (6) semester credits. A two-course sequence of anatomy/physiology may meet the anatomy and physiology requirements if there are a total of 6 credits. 	Anatomy should cover, in general: <ul style="list-style-type: none"> main systems in the human body, inclusive of musculoskeletal, nervous, integumentary, and cardiopulmonary systems. Exploration of human cadavers preferred, but mammalian accepted. 	<ul style="list-style-type: none"> Anatomical kinesiology Animal Comparative Human - preferred Mammalian Vertebrate 	
	Physiology should cover, in general: <ul style="list-style-type: none"> study of function of biological systems, inclusive of anatomy, cells, tissues, biological compounds, organ systems and associated interactions. 	<ul style="list-style-type: none"> Animal Comparative Human - preferred Mammalian Pathophysiology Exercise Physiology 	
Biology I and II sequence designed for science majors with labs <ul style="list-style-type: none"> Eight (8) semester credits 	The course should cover, in general: <ul style="list-style-type: none"> basic principles of general biology as related to cellular, organismic, and population-level of organization – inclusive of cell ultrastructure and function, energy transfer, reproduction, genetics, evolution, diversity, and ecology. 	Courses must be for science majors or pre-med majors. Preparatory courses (i.e. any course preceding a 101-level course) leading up to Biology 101, Chem 101, Physics 101 will not fulfill the prerequisite requirement <ul style="list-style-type: none"> General Biology I and II Principles of Biology I and II Foundations of Biology I and II Human Biology I and II 	

<p>Chemistry I and II sequence with labs</p> <ul style="list-style-type: none"> • Eight (8) semester credits 	<p>The course should cover, in general:</p> <ul style="list-style-type: none"> • examination of basic chemical molecular principles (solids, liquids, gases), chemical relationships between matter and energy – inclusive of atomic structure, properties and types of chemical bonds, chemical analysis, radioactivity and dating, molecular shapes, polarity, organic and or polymer chemistry 	<p>Courses must be for science majors or pre-med majors. Preparatory courses (i.e. any course preceding a 101-level course) leading up to Biology 101, Chem 101, Physics 101 will not fulfill the pre-requisite requirement</p> <ul style="list-style-type: none"> • General Chemistry I and II • Principles of Chemistry I and II • Foundations of Chemistry I and II 	
<p>English Writing</p> <ul style="list-style-type: none"> • Three (3) semester credits 	<p>The course should cover, in general:</p> <ul style="list-style-type: none"> • general composition (thesis statements, topic sentences, evidence, analysis), flow and clarity, rhetoric 	<p>College Writing Composition Rhetoric and Grammar Expository Writing Research Writing Technical Writing</p>	
<p>Physics I and II sequence with labs</p> <ul style="list-style-type: none"> • Eight (8) semester credits 	<p>The course should cover, in general:</p> <ul style="list-style-type: none"> • Basic concepts and principles related to mechanics, heat, light, sound, electricity, and magnetism – may also be inclusive of modern physics 	<p>Courses must be for science majors or pre-med majors. Preparatory courses (i.e. any course preceding a 101-level course) leading up to Biology 101, Chem 101, Physics 101 will not fulfill the pre-requisite requirement</p> <ul style="list-style-type: none"> • Physics I • Physics II 	
<p>Psychology</p> <ul style="list-style-type: none"> • Three (3) semester credits 	<ul style="list-style-type: none"> • Inclusive of studying and understanding human brain development, consciousness, behavior, and personality within context developmental and social factors. 	<ul style="list-style-type: none"> • General • Introductory 	
<p>Psychology, Upper level</p> <ul style="list-style-type: none"> • Three (3) semester credits 	<p>Any psychology course which requires general or introductory psychology as a prerequisite.</p>	<ul style="list-style-type: none"> • Abnormal • Adolescent • Child • Death & Dying • Developmental 	

		<ul style="list-style-type: none"> • Disability • Growth & Development • Human Behavior • Life Span Development • Rehabilitation • Social • Sports 	
<p>Statistics</p> <ul style="list-style-type: none"> • Three (3) semester credits 	<p>The course should cover, in general:</p> <ul style="list-style-type: none"> • Asking questions, collecting appropriate data, analyzing data, and interpreting data – inclusive of specifics related to variables, cases, frequency tables, graphs and shapes of distributions, mode, median, mean, range, interquartile range and box plot, variance and standard deviation, z-scores, contingency tables, scatterplots, and Pearson's r 	<ul style="list-style-type: none"> • Applied Statistics • Biostatistics • General Statistics • Principles of Statistical • Quantitative Methods • Research Methods 	

At the time of application, no more than 4 courses can be outstanding and must be completed prior to starting the program. No exceptions will be made.

Courses are recommended to be completed within the past 5 years; exceptions can be discussed by contacting the student services administrator.

Students will benefit from having completed an exercise physiology course prior to enrolling in the program.