**Doctor of Physical Therapy Prerequisite Rubric/Worksheet**

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| **Required Courses** | **Key concepts covered** | **Common Equivalent Course Names (Please note this list is not exhaustive. Courses listed below are just *some* of the courses that will satisfy prerequisites)** | **Applicant’s equivalent course(s)** |
| Anatomy (lab recommended) and Physiology* 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: • main systems in the human body, inclusive of musculoskeletal, nervous, integumentary, and cardiopulmonary systems. Exploration of human cadavers preferred, but mammalian accepted. | * Anatomical kinesiology
* Animal
* Comparative
* **Human -** ***preferred***
* Mammalian
* Vertebrate
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| Physiology should cover, in general: • study of function of biological systems, inclusive of anatomy, cells, tissues, biological compounds, organ systems and associated interactions. | * Animal
* Comparative
* **Human -** ***preferred***
* Mammalian
* Pathophysiology
* Exercise Physiology
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| Biology I and II sequence designed for science majors with labs* Eight (8) semester credits
 | The course should cover, in general: • 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 pre-requisite requirement * General Biology I and II
* Principles of Biology I and II
* Foundations of Biology I and II
* Human Biology I and II
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| Chemistry I and II sequence with labs* Eight (8) semester credits
 | The course should cover, in general: • 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 | 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 * General Chemistry I and II
* Principles of Chemistry I and II
* Foundations of Chemistry I and II
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| English Writing * Three (3) semester credits
 | The course should cover, in general: • general composition (thesis statements, topic sentences, evidence, analysis), flow and clarity, rhetoric | College Writing Composition Rhetoric and Grammar Expository Writing Research Writing Technical Writing |  |
| Physics I and II sequence with labs* Eight (8) semester credits
 | The course should cover, in general: * Basic concepts and principles related to mechanics, heat, light, sound, electricity, and magnetism – may also be inclusive of modern physics
 | 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 * Physics I
* Physics II
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| Psychology* Three (3) semester credits
 | * Inclusive of studying and understanding human brain development, consciousness, behavior, and personality within context developmental and social factors.
 | * General
* Introductory
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| Psychology, Upper level* Three (3) semester credits
 | Any psychology course which requires general or introductory psychology as a prerequisite. | * Abnormal
* Adolescent
* Child
* Death & Dying
* Developmental
* Disability
* Growth & Development
* Human Behavior
* Life Span Development
* Rehabilitation
* Social
* Sports
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| Statistics* Three (3) semester credits
 | The course should cover, in general:* 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
 | * Applied Statistics
* Biostatistics
* General Statistics
* Principles of Statistical
* Quantitative Methods
* Research Methods
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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.