**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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |

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.