Psychology Major and Pre-Physical Therapy

As with law or medicine, a psychology major is appropriate academic preparation for graduate training in physical therapy. Admission to Belmont's doctoral program in physical therapy is based on a variety of factors including your college GPA, scores on the Graduate Record Exam, letters of recommendation, and completion of appropriate pre-requisite coursework. If you are interested in pursuing training and a career in physical therapy, below is a list of Belmont pre-requisite courses that you should take along with your psychology major courses.

Belmont University Undergraduate Pre-requisite Courses

for Belmont DPT (doctorate in physical therapy)

BIO 1110. Principles of Biology I (4). An introductory study of molecular and cellular biology, genetics and microevolution. Topics include the molecular basis of cellular processes; the structure and physiology of cells; classical, molecular, and population genetics; and recombinant DNA. For new students with ACT composite of 90% or above or current students with a cumulative GPA over 3.5. Three hours lecture and three hours laboratory per week. ($50.00 course fee)

BIO 1120. Principles of Biology II (4). *Prerequisite:* BI0 1020 or 810 1110. A study of the structure, function, classification, and phylogeny of the Protista (Protozoa only) and Animalia. Three hours lecture and three hours laboratory per week. ($50.00 course fee)

CEM 1610, 1620. General Chemistry I, II (4, 4). *Prerequisite or corequisite: MTH 1110 or the equivalent*. Fundamental concepts and principles are emphasized during the first semester. Emphasis is placed on structure, nomenclature, oxidation numbers and the mole concept. The second semester includes solutions, behavior of electrolytes, ionic and molecular equilibria, and nuclear chemistry. Also, there is a brief introduction to the chemistry of carbon and its compounds included in the second semester. ($100.00 course fee)

PHY 2110, 2120 General College Physics I & II

BIO 2230. Human Anatomy and Physiology I (4). Prerequisite: BI0 1010, 1020 or 810 111. A study of the anatomy and physiology of the systems of the human body. Two hours lecture and 4 hours laboratory per week. ($50.00 course fee)

BIO 2240. Human Anatomy and Physiology II (4). *Prerequisite:* BI0 2230. A continuation of the study of the human body. Two hours lecture and four hours laboratory per week. ($50.00 course fee)

MTH 1150 - Elementary Statistics* (3 hrs). *Prerequisite: MTH ACT* score greater than or equal to 22, *Math SAT* score greater than or equal to 520, a qualifying score on the Belmont *Math* Placement Test, a grade of C in *MTH 1110* or *MTH 1130,* or consent of *the* department chair. An introduction to statistical reasoning. Topics include descriptive measures, elementary probability distributions, sampling distributions, one and two sample inferences on means and proportions, simple linear regression, and correlation. Case studies of real data will relate to various fields of interest. Special emphasis will be placed on communication of statistical results through projects using computer software.

OR

MTH 1151 - Elementary Statistics for the Sciences* (3 hrs). Prerequisite: *MTH* ACT score greater *than* or equal to 22, Math *SAT score* greater than or equal to 520, a qualifying score on *the Belmont Math Placement Test* greater than or equal to 22, or *MTH* 1110. The study of statistical procedures widely used in the sciences. Topics include, in addition to those taught in MTH 1150, modeling with probability distributions, multiple regression, analysis of variance, chisquare tests, nonparametric statistics, and bootstrapping. Analysis of data using computer software will relate to the sciences. Special emphasis will be placed on the communication of statistical results from scientific research.