Physical Therapist Assistant (PTA)

Courses

PTA 0104 Introduction to Kinesiology: 3 semester hours.
Fundamental principles of anatomical terminology, osteology, arthrology. Basic observation and palpation skills required. Equivalent to MSTH 0104. PREREQ: Admission to the MSTH or PTA program. F

PTA 0105 Introduction to Physical Therapy: 1 semester hour.
Roles and responsibilities of physical therapists and physical therapist assistants will be explored, as well as the history of physical therapy. Includes patient care, legal issues, principles of physical therapy treatment, education requirements, and functions of the American Physical Therapy Association (APTA). Local physical therapy facilities visited. PRE-OR-COREQ: PTA 0104 or permission of instructor. F

PTA 0106 Applied Kinesiology: 3 semester hours.
Studies the human anatomy with an emphasis on the musculoskeletal system, identification of structures and relationship to function, normal and abnormal biomechanical principles of joint motion and gait patterns. PREREQ: PTA 0104, PTA 0105, BIOL 1101, BIOL 1101L, BIOL 3301, and BIOL 3301L. S

PTA 0107 Procedures I: 5 semester hours.
Procedures related to physical therapy treatment, including universal precautions, principles of physics, anatomy, kinesiology, thermal agents, ultrasound, vital signs and their use in therapeutics, transfer training, ROM, ultrasound, wheelchair, and wound management. PREREQ: Second year student in good standing, and PTA 0105. S

PTA 0213 Clinical Affiliation I: 7 semester hours.
Clinical instructor supervised, eight-week clinical experience starting in March of the second year. Experience will focus on performing Physical Therapist Assistant skills at a professional level in preparation for entering the workforce. PREREQ: Second year student in good standing, PTA 0201, PTA 0202, and PTA 0213. PRE-OR-COREQ: PTA 0203 and PTA 0204. S

PTA 0107 Procedures I: 5 semester hours.
A continuation of PTA 0107, Procedures I, including electrical stimulation theory and techniques for applying variations of electrical current, biofeedback, and other modalities. Students will also learn therapeutic management of prosthetics and orthotics. PREREQ: Second-year student in good standing, and PTA 0104, PTA 0105, PTA 0106, PTA 0107, and PTA 0213. F

PTA 0202 Physical Therapy Assessment: 4 semester hours.
Observation skills, tests and measurements in physical therapy including manual muscle testing, goniometry, vital signs, gait, pain, posture and functional assessment as related to patient progress. PREREQ: Second-year student in good standing, and PTA 0104, PTA 0105, PTA 0106, PTA 0107, and PTA 0213. F

PTA 0203 Therapeutic Exercise: 5 semester hours.
Therapeutic exercise principles and practices related to patient treatment. Includes stretching, proprioceptive neuromuscular facilitation, other rehab techniques like NDT, Rood, Brunnstrum, cardiopulmonary rehab, and exercise equipment. PREREQ: Second year student in good standing, and HO 0208, PTA 0201, and PTA 0202. S

PTA 0204 Seminar: 3 semester hours.
Current practices and issues in physical therapy. Includes clinical problem solving, ethics, legal aspects, reimbursement, case management, research, and employment issues. PREREQ: Second year student in good standing, and PTA 0201 and PTA 0202. S

PTA 0213 Clinical Affiliation I: 7 semester hours.
Clinical instructor supervised, eight-week clinical experience starting in the summer (May) after the first year. Experience will focus on initiating and developing beginning Physical Therapist Assistant skills in the treatment setting. PREREQ: Second year student in good standing, and PTA 0104, PTA 0105, PTA 0106, and PTA 0107. S