

PTA Physical Therapist Assistant

PTA 101 Introduction to Physical Therapist Assistant (2-0) 2 crs.

Introduces student to Physical Therapist Assistant (PTA) as a career. Defines the role of a PTA in the health care system. Provides students with opportunities to observe physical therapy evaluations and treatments for patients with various diagnoses. Introduces techniques for documentation and review of medical records. Discusses billing procedures and third-party payers. Reviews Health Insurance Portability and Accountability Act (HIPAA), Patient Bill of Rights, American Physical Therapy Association (APTA) Code of Conduct, Code of Ethics.

Prerequisite: PTA 111 with a grade of C or better.

PTA 105 Orthopedics for the Physical Therapist Assistant (2-6) 4 crs.

Prepares students to address the needs of patients with orthopedic conditions and injuries in a clinical laboratory course. Introduces students to manual muscle testing, strengthening interventions, gait training, and wheelchair mobility. Addresses interventions for compression wrapping and therapeutic taping. Examines the use of prosthetics and orthotics for rehabilitation intervention. Applies clinical problem solving skills and develops ability to modify treatment techniques for optimal outcomes.

Prerequisite: PTA 111 with a grade of C or better.

PTA 111 Kinesiology for the Physical Therapist Assistant (2-2) 3 crs.

Applies biomechanical principles and analysis to human movement. Focuses on appendicular skeleton, upper extremity, and lower extremity osteokinematics and arthrokinematics. Instructs in assessment of gait and gait deviations.

Prerequisite: Admission into the Physical Therapist Assistant program.

PTA 115 Manual Techniques for the Physical Therapist Assistant (0-4) 2 crs.

Instructs in application and documentation of manual techniques for palpation, joint mobilization and stretching. Demonstrates techniques for correctly documenting manual techniques.

Prerequisite: PTA 101, PTA 105, PTA 120 and PTA 140 with grades of C or better.

PTA 120 Therapeutic Exercise for Physical Therapist Assistant I (0-2) 1 cr.

Examines the use of common therapeutic exercise and fitness techniques in the context of physical therapy practice and services. Instructs in therapeutic exercise to improve range of motion, flexibility, strength, and endurance. Focuses on exercise progression and regression for musculoskeletal conditions. Examines the effect of surgical intervention on exercise tolerance and progression.

Prerequisite: PTA 111 with a grade of C or better.

PTA 130 Physical Therapist Assistant Clinical Experience I (0-6) 2 crs.

Provides students with a clinical experience, supervised directly by a licensed PT or PTA with focus on gaining hands-on treatment experience in a clinical environment in a pass/fail course. Addresses communication skills such as documentation and patient interview. Provides students with opportunity to develop clinical problem solving skills. This course is graded using a pass/fail grade mode.

Prerequisite: PTA 115, PTA 160, PTA 201, PTA 205, and PTA 210 with grades of C or better.

PTA 140 Intervention Fundamentals (0-2) 1 cr.

Introduces the student to the foundations and principles of interventions as they apply to physical therapy. Also addresses entry-level healthcare skills. Focuses on patient positioning and draping, transfers, standard precautions, levels of assistance, safety and body mechanics.

Prerequisite: PTA 111 with a grade of C or better.

PTA 160 Pathophysiology for the Physical Therapist Assistant (2-0) 2 crs.

Utilizes Clinical manifestations to study common disease processes and identify their implications when performing physical therapy intervention.

Prerequisite: BIO 261, PTA 101, PTA 105, PTA 120 and PTA 140 with grades of C or better.

PTA 201 Cardiopulmonary and Integumentary for the Physical Therapist Assistant (2-6) 4 crs.

Describes common cardiopulmonary diagnoses in a clinical laboratory class. Introduces students to principles of skilled intervention and progression of intervention. Focuses on advanced treatment techniques for aerobic capacity training and airway clearance techniques. Provides instruction on safe functional training for activities of daily living and plyometric activities. Explains recognition of wounds of various etiologies. Presents strategies for repositioning, pressure relief, and edema management.

Prerequisite: BIO 261, PTA 101, PTA 105, PTA 120 and PTA 140 with grades of C or better.

PTA 205 Therapeutic Modalities (1-2) 2 crs.

Introduces therapeutic modalities as they are applied to patients in a clinical setting to alter physiologic processes and decrease pain. Focuses on indications, precautions, and contraindications for use of each modality. Instructs students on safe techniques for application.

Prerequisite: BIO 261, PTA 101, PTA 105, PTA 120, and PTA 140 with grades of C or better.

PTA 208 Special Populations for the Physical Therapist Assistant (1-0) 1 cr.

Presents considerations for treating pediatric, bariatric, and geriatric patients and those with multiple co-morbidities. Focuses on treatment strategies for each classification of patient. Introduces interventions for common congenital diseases, diabetes, amputations, and the aging process.

Prerequisite: PTA 130 with a grade of P and PTA 215 and PTA 220 with a grade of C or better.

PTA 210 Neurology for the Physical Therapist Assistant (2-6) 4 crs.

Introduces students to neurologic dysfunction and to provision of interventions including therapeutic exercises, neuromuscular re-education, developmental training, and postural awareness in a clinical laboratory course. Focuses on maintaining static and dynamic balance, correct body mechanics for therapist and patient during exercises and transitional movements. Applies clinical problem solving skills and develops ability to modify treatment techniques for optimal outcomes.

Prerequisite: BIO 261, PTA 101, PTA 105, PTA 120, and PTA 140 with grades of C or better.

PTA 215 Advanced Interventions (1-2) 2 crs.

Develops students' critical thinking skills to determine appropriate interventions for patients of all ages and complexities.

Prerequisite: PTA 115, PTA 160, PTA 201, PTA 205 and PTA 210 with grades of C or better.

PTA 220 Therapeutic Exercise for Physical Therapist Assistant II (0-2) **1 cr.**

Examines the use of common advanced therapeutic exercise, neuromuscular re-education interventions, and aerobic conditioning techniques in the context of physical therapy care and services. Instructs in therapeutic exercise for the cardiopulmonary and neurological patient as well as various special populations.

Prerequisite: PTA 115, PTA 160, PTA 201, PTA 205 and PTA 210 with grades of C or better.

PTA 225 Physical Therapist Assistant Professional Seminar (1-0) **1 cr.**

Continues to develop student's understanding of Physical Therapist Assistant scope of practice and professional code of ethics. Prepares student to sit for professional licensing exam upon graduation. Instructs student in preparation for job search.

Prerequisite: PTA 130 with a grade of P and PTA 215 and PTA 220 with grades of C or better.

PTA 230 Physical Therapist Assistant Clinical Experience II (0-12) **4 crs.**

Provides students with a clinical experience, supervised directly by a licensed PT or PTA with focus on implementing treatments and modifying interventions in a clinical environment in a pass/fail course. Addresses communication skills such as documentation and interacting with other disciplines in the health care team. Presents students with opportunity to develop clinical problem solving skills. Provides students with experiences to begin to transition from PTA student to entry-level clinician. This course is graded using a pass/fail grade mode.

Prerequisite: PTA 130 with a grade of P and PTA 215 and PTA 220 with grades of C or better.

Corequisite: PTA 208 and PTA 225.

PTA 235 Physical Therapist Assistant Clinical Experience III (0-21) **7 crs.**

Provides students with experiences to transition from PTA student to entry-level clinician at the culmination of this course while being supervised directly by a licensed PT or PTA with focus on independently implementing treatments and modifying interventions in a clinical environment in a pass/fail course. Continues to address communication skills such as documentation and interacting with other disciplines in the health care team. Provides opportunity for students to demonstrate entry-level clinical problem solving skills. This course is graded using a pass/fail grade mode.

Prerequisite: PTA 208 and PTA 225 with grades of C or better and PTA 230 with a grade of P.