

PHYSICAL THERAPIST ASSISTING TECHNOLOGY (PTAT)

PTAT-1000 Introduction to Physical Therapy Patient Care 1 Credit

Discussion, demonstration, and practice of basic physical therapy patient care skills for all students who plan to apply to the PTA program. Introduces principles of patient care for physical therapist assisting students including professional communication with diverse populations, safe patient mobility skills and transfers, vital signs, standard precautions, hand hygiene and development of a comfort level with the physical contact required for a physical therapist assistant.

Lecture: .5 hours. Laboratory: 1.5 hour

Prerequisite(s): ENG-1010 College Composition I, or concurrent enrollment; or ENG-101H Honors College Composition I, or concurrent enrollment; and MA-1020 Medical Terminology I, or concurrent enrollment; BIO-2331 Anatomy and Physiology I, or concurrent enrollment; and MATH-0965 Intermediate Algebra or qualified Math placement to enroll in MATH-1410 Elementary Probability and Statistics I or higher.

PTAT-1100 Introduction to Physical Therapist Assisting 2 Credits

History and principles of physical therapy. Role, responsibilities, and supervision of the physical therapist assistant. Survey of physical therapy interventions and services. Emphasizes the legal, ethical responsibilities, as well as professional behaviors relating to physical therapy service. Content also covers communication, cultural diversity, and provides introduction to medical record documentation.

Lecture: 2 hours

Prerequisite(s): ENG-1010 College Composition I, or ENG-101H Honors College Composition I; and MA-1020 Medical Terminology; and departmental approval: admission to program.

PTAT-1300 Functional Anatomy 4 Credits

Study of human anatomy and clinical kinesiology with emphasis on the application of neuromusculoskeletal anatomy, physiology, physics principles, and biomechanics during the analysis of static and dynamic movement.

Lecture: 3 hours. Laboratory: 3 hours

Prerequisite(s): BIO-2331 Anatomy and Physiology I, and HTEC-1060 Medical Terminology I; and departmental approval: admission to Physical Therapist Assisting program or Occupational Therapy program.

PTAT-1312 Fundamentals of Physical Therapy 3 Credits

Introduces the fundamental procedures and theories for practice of physical therapy. Identify the key elements of posture, movement, body mechanics, lifting and moving patients. Introduces the theories and applications regarding gait, assistive devices, and bandaging. Identify wheelchair features, maintenance and mobility. Introduce professional behaviors and the therapeutic relationship.

Lecture: 2 hours. Laboratory: 3 hours

Prerequisite(s): HTEC-1000 Introduction to Patient Care, and concurrent enrollment in PTAT-1300 Functional Anatomy, and departmental approval: admission to program.

PTAT-1320 Introduction to Therapeutic Exercise 2 Credits

Introduction to the principles of therapeutic exercise including passive, active, active assistive, and resistive exercise. Differentiation of strength, flexibility and stretching exercises.

Lecture: 1.5 hour. Laboratory: 1.5 hour

Prerequisite(s): HTEC-1000 Introduction to Patient Care; and concurrent enrollment in PTAT-1300 Functional Anatomy, and departmental approval: admission to program.

PTAT-1402 Clinical Pathophysiology & Pharmacology 3 Credits

Introduction to pathophysiology and pharmacological management encountered in the practice of physical therapy that affect such systems as the musculoskeletal, endocrine, immune, integumentary, vascular, and neurological systems. Discuss the health, disease, and process of inflammation and repair of tissue and mechanisms of pain.

Lecture: 3 hours

Prerequisite(s): PTAT-1300 Functional Anatomy, and PTAT-1312 Fundamentals of Physical Therapy, and BIO-2341 Anatomy and Physiology II.

PTAT-1411 Physical Therapy Procedures 3 Credits

Physical therapy procedures focuses on the principles and application of various therapeutic modalities used in physical therapy treatment that augment rehabilitation intervention as part of the comprehensive physical therapy treatment plan.

Lecture: 2 hours. Laboratory: 3 hours

Prerequisite(s): PTAT-1100 Introduction to Physical Therapist Assisting, PTAT-1300 Functional Anatomy, and PTAT-1312 Fundamentals of Physical Therapy, and departmental approval.

PTAT-1420 Therapeutic Exercise 3 Credits

Physical therapy techniques and principles utilized in therapeutic exercise, including the progression of therapeutic exercise.

Lecture: 2 hours. Laboratory: 3 hours

Prerequisite(s): PTAT-1300 Functional Anatomy, and PTAT-1312 Fundamentals of Physical Therapy, and PTAT-1320 Introduction to Therapeutic Exercise, and departmental approval.

PTAT-1440 Psychosocial Issues in Physical Therapy 2 Credits

Designed to familiarize the student with the common mental health illnesses and psychosocial issues that may affect physical therapy interventions.

Lecture: 2 hours

Prerequisite(s): PTAT-1100 Introduction to Physical Therapist Assisting; and PSY-1010 General Psychology or concurrent enrollment; or PSY-101H Honors General Psychology, or concurrent enrollment.

PTAT-1820 Independent Study/Research in Physical Therapist Assisting 1-3 Credits

Directed individual study. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.

Lecture: 1-3 hours

Prerequisite(s): Departmental approval, and instructor approval, and ENG-0995 Applied College Literacies, or appropriate score on English Placement Test. Note: ENG-0990 Language Fundamentals II taken prior to Fall 2021 will also meet prerequisite requirements.

PTAT-1940 Field Experience I

1 Credit

Application of learned physical therapy techniques in clinical setting. It is recommended that program students register for this course as pass/no pass.

Other Required Hours: Field experience: 195 hours per semester (39 hours per week for 5 weeks).

Prerequisite(s): PTAT-1420 Therapeutic Exercise or concurrent enrollment, and PTAT-1411 Physical Therapy Procedures or concurrent enrollment, and departmental approval.

PTAT-2201 Acute Care Physical Therapy

3 Credits

Explores the procedures, equipment, common pathologies and pharmacology encountered in the practice of physical therapy in the acute care environment. Physical therapy techniques for intervention are also presented, demonstrated and practiced.

Lecture: 2 hours. Laboratory: 3 hours

Prerequisite(s): PTAT-1312 Fundamentals of Physical Therapy, and departmental approval.

PTAT-2302 Neuromuscular Rehabilitation in Physical Therapy

4 Credits

Physical therapy techniques and procedures required for the rehabilitation of adult patients with selected neurological diagnoses and impairments.

Lecture: 3 hours. Laboratory: 3 hours

Prerequisite(s): BIO-2341 Anatomy and Physiology II, and PTAT-1402 Clinical Pathophysiology and Pharmacology, PTAT-1420 Therapeutic Exercise, and departmental approval.

PTAT-2310 Pediatric Physical Therapy

2 Credits

Examine the special considerations for the physical therapy approaches and procedures regarding infants and children. Identify typical fetal and postnatal growth and development. Examination of wide range of disease and disabilities affecting infants and children, and physical therapy skills necessary for interaction and treatment of this patient population.

Lecture: 2 hours

Prerequisite(s): BIO-2341 Anatomy and Physiology II, PTAT-1401 Clinical Pathophysiology, PTAT-1411 Physical Therapy Procedures, and PTAT-1420 Therapeutic Exercise, and departmental approval.

PTAT-2330 Geriatric Physical Therapy

2 Credits

Course is designed to highlight special considerations of physical therapy approaches, role, and procedures regarding the older adult population. Statistics, myths, and legislation regarding aging population are presented and reviewed, as well as, typical aging and its implications for treatment and wellness.

Lecture: 2 hours

Prerequisite(s): PTAT-1401 Clinical Pathophysiology, and PTAT-1420 Therapeutic Exercise; and concurrent enrollment in PTAT-2301 Long Term Physical Therapy Rehabilitation Procedures, and departmental approval.

PTAT-2820 Advanced Independent Study/Research in Physical Therapist Assisting

1-3 Credits

Directed individual advanced study. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.

Lecture: 1-3 hours

Prerequisite(s): Departmental approval, and instructor approval, and ENG-0995 Applied College Literacies, or appropriate score on English Placement Test. Note: ENG-0990 Language Fundamentals II taken prior to Fall 2021 will also meet prerequisite requirements.

PTAT-2840 Clinical Practicum I

2 Credits

Capstone course in Physical Therapist Assisting Technology. Application of learned physical therapy techniques in a clinical setting. It is recommended that program students register for this course as pass/no pass.

Other Required Hours: 240 hours per semester (40 hours per week for 8 weeks).

Prerequisite(s): Concurrent enrollment in PTAT-2970, and departmental approval: completion of all didactic coursework in the PTAT program.

PTAT-2850 Clinical Practicum II

2 Credits

Capstone course in Physical Therapist Assisting Technology. Application of learned physical therapy techniques in a clinical setting. It is recommended that program students register for this course as pass/no pass. Other required hours: Clinical Practicum: 240 hours per semester (40 hours per week for 8 weeks).

Prerequisite(s): PTAT-2840 Clinical Practicum I and PTAT-2970 Practicum Seminar, and departmental approval.

PTAT-2971 Practicum Seminar

2 Credits

Course covers the integration of knowledge and skills acquired in academic coursework and clinical practicum. Examination of the role and function of the physical therapist assistant in preparation for licensure and entry into the workforce. It is recommended that program students register for this course as pass/no pass.

Other Required Hours: Seminar: 30 hours per semester.

Prerequisite(s): Concurrent enrollment in PTAT-2840 Clinical Practicum I and concurrent enrollment in PTAT-2850 Clinical Practicum II, and departmental approval: completion of all didactic coursework in PTAT program.