

Program Course Descriptions

ENG 119 English I

This course will provide opportunities for students to work with a variety of forms that will lead to the mastery of effective organization, topics, development and appropriate style, including the development of processes of thoughtful, and analytical reading skills. Written work is required weekly.

3.000 Credit hours

45.000 Lecture hours

PS 101 - American Government

This course is an examination of America's democracy, its principles, processes and political institutions. Emphasis is placed on the functioning of the national government and the making of public policy.

3.000 Credit hours

45.000 Lecture hours

0.000 Lab hours

PSY 101 - Introductory Psychology

This course introduces students to theories, principles, concepts, and research in psychology. Topics include biological foundations of behavior and mental processes, learning and cognition, personality and social behavior, mental health and mental disorders, and lifespan development. PSY 101 is the foundational course in psychology. It is a prerequisite for all other psychology courses.

3.000 Credit hours

45.000 Lecture hours

0.000 Lab hours

PTT 101 - Intro. to Physical Therapy

This course introduces students to the foundations and principles of the profession, the history of physical therapy, and the roles of the members of a rehabilitation team. Basic theory and practice of contemporary physical therapy are emphasized, with a detailed analysis of the boundaries between the physical therapist, the assistant, and the technician. Professional organizations including the American Physical Therapy Association (APTA) are discussed. The course also examines current issues and trends in physical therapy. 45 hours of direct instruction required. Must complete with a B or Better.

2.000 Credit hours

30.000 Lecture hours

SPH 101 - Fundamentals Of Speech

In this course there will be the study and application of basic principles underlying effective oral communication with emphasis on public speaking.

3.000 Credit hours

45.000 Lecture hours

0.000 Lab hours

Program Course Descriptions

BIO 240 - Human Anatomy & Physiology I

Lecture and laboratory course on the structure and function of the human body for allied health and nursing students. The cellular, tissue, organ and systems levels are considered. Emphasis is on the integumentary, skeletal, muscular and nervous systems including the special senses. The laboratory supplements the lecture with the use of microscopes to study the four basic tissues. The use of the torso, models, articulated/disarticulated skeletons, dissection of sheep brain and beef eyes are used to study the other systems. (Meets six hours per week; four hours lecture and two hours laboratory)

0.000 OR 4.000 Credit hours

0.000 OR 60.000 Lecture hours

0.000 OR 30.000 Lab hours

BIO 250 - Human Anatomy and Physiology II

Lecture and laboratory course that is a continuation of the systems found in the human body: circulatory, respiratory, digestion, metabolism, urinary, endocrine & reproductive systems for allied health and nursing students. Body fluid, electrolytes & acid/base balance are also included. The laboratory supplements the lecture topics with the use of the torso, dissection of bovine heart models, charts and slides. (Meets six hours per week; four hours lecture and two hours laboratory)

0.000 OR 4.000 Credit hours

0.000 OR 60.000 Lecture hours

0.000 OR 30.000 Lab hours

PTT 101 Introduction to Physical Therapy

2 credits

This course introduces students to the foundations and principles of the profession, the history of physical therapy, and the roles of the members of a rehabilitation team. Basic theory and practice of contemporary physical therapy are emphasized, with a detailed analysis of the boundaries between the physical therapist, the assistant, and the technician. Professional organizations including the American Physical Therapy Association (APTA) are discussed. The course also examines current issues and trends in physical therapy. *30 hours of direct instruction is required. Must complete with an **80% (B)** or better to be eligible to apply to the physical therapist assistant program.*

Prerequisites: None

Corequisites: None

Course Offering: Spring semester (prerequisite course)

Program Course Descriptions

PTA 102 Clinical Pathology

2 credits

Explores pathologies commonly encountered in physical therapy settings including orthopedic, neurological, rheumatological, cardiopulmonary, and acute medical conditions. The pathologies introduced in this course are further explored in courses throughout the physical therapist assistant curriculum. Emphasis is placed on anatomical and physiological considerations, etiologies, and therapeutic management of common conditions encountered in physical therapy settings. 30 hours of direct instruction is required. Must complete with a 77% (C) or better.

Prerequisites: PTT 101, Admission into the Technical Track of the Physical Therapist Assistant Program

Corequisites: PTA 103, PTA 104, PTA 105, PTA 106, PTA 107

Course Offering: Fall; first semester of technical track

PTA 103 Functional Mobility

3 credits

Introduces students to fundamental patient care skills including patient interviewing, bed mobility activities, wheelchair utilization, assistive device fitting and training, transfer activities, positioning and draping, rapport development, written and verbal communication, hand washing, aseptic techniques, body mechanics, guarding, and basic exercises. This lecture/lab course provides students the opportunity to develop these basic patient care skills and apply this knowledge to simple patient case scenarios prior to part-time and full-time clinical experiences. Patient and clinician safety, levels of independence along the mobility spectrum, professional behavior, and standard precautions are emphasized. *30 hours of direct instruction and 60 hours of lab is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, Admission into the Technical Track of the Physical Therapist Assistant Program

Corequisites: PTA 102, PTA 104, PTA 105, PTA 106, PTA 107

Course Offering: Fall; first semester of technical track

PTA 104 Clinical Kinesiology

3 credits

Building upon Human Anatomy and Physiology I, this course provides an understanding of normal human movement and gives a clinical perspective to the science movement as it pertains to the musculoskeletal system, osteokinematics, arthrokinematics, and biomechanics. During this lecture/lab course, students will have an opportunity to learn the fundamentals of posture, positioning, and normal gait. Clinical application of kinesiology to support functional movement development across the lifespan and observational gait analysis are emphasized. *30 hours of direct instruction, 30 hours of direct instruction and 60 hours of lab is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, Admission into the Technical Track of the Physical Therapist Assistant Program

Corequisites: PTA 102, PTA 103, PTA 105, PTA 106, PTA 107

Course Offering: Fall; first semester of technical track

Program Course Descriptions

PTA 105 Neuromuscular Foundations

2 credits

Explores theories, processes, and structures that determine the execution and control of voluntary movements as it builds on prerequisite knowledge from BIO 240. Emphasis is placed on normal and abnormal physiology of the neuromuscular system including the relationship between the nervous system and motor control, motor learning, and skill acquisition. This lecture-based course builds a foundation for courses later in the curriculum that will address the assessment and intervention of patients with neurological conditions from a physical therapy perspective. *30 hours of direct instruction is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, Admission into the Technical Track of the Physical Therapist Assistant Program

Corequisites: PTA 102, PTA 103, PTA 104, PTA 106, PTA 107

Course Offering: Fall; first semester of technical track; first 7.5 weeks

PTA 106 Functional Movement Development

2 credits

Presents current theories and perspectives about human growth and development across the lifespan. The relationship between lifespan development and the delivery of physical therapy interventions to patients of varying socioeconomic statuses, ages, genders and cultural beliefs is emphasized. This lecture-based course builds a foundation for courses later in the curriculum that will address the assessment and intervention of diverse patient populations. *30 hours of direct instruction is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, Admission into the Technical Track of the Physical Therapist Assistant Program

Corequisites: PTA 102, PTA 103, PTA 104, PTA 105, PTA 107

Course Offering: Fall; first semester of technical track; second 7.5 weeks

PTA 107 Clinical Documentation for the PTA

2 credits

Explores the administrative aspects of physical therapy services including documentation, electronic health records, medical terminology, professional liability, chart reviews, and billing and coding. SOAP note writing is emphasized. This lecture-based course builds a foundation for courses later in the curriculum that will address timely and accurate documentation of physical therapy treatment sessions. *30 hours of direct instruction is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, Admission into the Technical Track of the Physical Therapist Assistant Program

Corequisites: PTA 102, PTA 103, PTA 104, PTA 105, PTA 106

Course Offering: Fall; first semester of technical track

Program Course Descriptions

PTA 110 Patient Assessment

3 credits

Explores patient assessment and data collection techniques while integrating the knowledge and basic patient care skills taught during the previous semester. During this lecture/lab course, students will have an opportunity to practice common physical therapy assessment techniques such as goniometry, manual muscle testing, muscle length and girth testing, and gait assessment using standardized methods. *30 hours of direct instruction and 60 hours of lab is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107

Corequisites: PTA 112, PTA 114, PTA 115, PTA 220

Course Offering: Spring; second semester of technical track; 1st 13 weeks

PTA 112 Therapeutic Exercise

3 credits

Explores therapeutic exercise theory and application. Exercise physiology in rehabilitation and various orthopedic conditions are studied, with emphasis on diagnosis-specific precautions and treatment guidelines. During this lecture/lab course, students will have the opportunity to apply concepts and principles related to therapeutic exercise and functional mobility. *30 hours of direct instruction and 60 hours of lab is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107

Corequisites: PTA 110, PTA 114, PTA 115, PTA 220

Course Offering: Spring; second semester of technical track; 1st 13 weeks

PTA 114 Manual Therapy Techniques

3 credits

Explores theory and basic techniques for manual therapy interventions. Peripheral joint and soft tissue mobilization are emphasized. This lecture-lab course provides students the opportunity to practice hands-on techniques to inhibit pain, recognize joint hyper/hypomobility, reduce muscle guarding, improve fascial mobility, and increase range of motion. Management of common musculoskeletal conditions including assessment, treatment interventions, and manual therapy techniques are addressed. *30 hours of direct instruction and 60 hours of lab work is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107

Corequisites: PTA 110, PTA 112, PTA 115, PTA 220

Course Offering: Spring; second semester of technical track; 1st 13 weeks

Program Course Descriptions

PTA 115 Professional Preparation

2 credits

Explores professionalism in the practice of physical therapy including effective communication, interdisciplinary approach, and typical organizational structure. Students will have the opportunity to practice effective communication using case studies. Operational issues affecting the PTA in today's healthcare arena, including documentation and reimbursement are emphasized. This lecture-based course builds a foundation for clinical experiences later in the curriculum and provides an orientation to the clinical experience process. Career-readiness training, including resume and cover letter writing, and development of a professional portfolio is also provided. *26 hours of direct instruction and a minimum of 60 hour outside class work is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107

Corequisites: PTA 110, PTA 112, PTA 114, PTA 220

Course Offering: Spring; second semester of technical track; 1st 13 weeks

PTA 220 Clinical Education I

2 credits

Provides an integrated, unpaid two-week work experience in an affiliated physical therapy setting, under the direction of a licensed physical therapist or physical therapist assistant who serves as clinical instructor (CI). Students are given the opportunity to practice skills in clinical documentation, professionalism, communication, patient assessment, and plan of care implementation. Emphasis on appreciating the PT/PTA relationship, beginning to manage a caseload, and participating in the interprofessional team. Students must successfully complete both the clinical site portion and the Blackboard assignments in order to pass this component of the program. *10 hours of direct instruction/student work + 80 clinical contact hours is required. Must complete with a 77% or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107

Corequisites: PTA 110, PTA 112, PTA 114, PTA 115

Course Offering: Spring; second semester of technical track; last two weeks

Program Course Descriptions

PTA 204/204L Neuromuscular Rehabilitation

3 credits

Explores common neuromuscular pathologies, contemporary rehabilitation concepts, and accepted therapeutic interventions for these conditions. Clinical implications and applications of treatment approaches will be discussed based on current best practices utilizing the International Classification of Functioning (ICF) model. Students will be provided the opportunity to learn basic neurological treatment theories and techniques for use with patients with various neurological disorders. This lecture/lab course emphasizes the application of strategies to facilitate functional mobility in persons with neurological disorders. *30 hours of direct instruction and 60 hours of lab is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107, PTA 110, PTA 112, PTA 114, PTA 115

Corequisites: PTA 205, PTA 210, PTA 212

Course Offering: Summer; third semester of technical track

PTA 205 Pediatric Management

2 credits

Explores principles of pediatric habilitation and rehabilitation pertinent to the practice of physical therapy. Students will have the opportunity to learn about pathological conditions and neurological management interventions encountered in pediatric physical therapy. Patient/family-centered care, awareness of cultural diversity, psychosocial aspects of disability, and evidence-based practice are emphasized. *30 hours of direct instruction is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107, PTA 110, PTA 112, PTA 114, PTA 115

Corequisites: PTA 204, PTA 210, PTA 212

Course Offering: Summer; third semester of technical track

PTA 210 Therapeutic Modalities

3 credits

Explores the contemporary usage and basic foundation of therapeutic modalities. The scientific basis of musculoskeletal rehabilitation involving therapeutic modalities will be examined. Emphasis will be placed on fundamental concepts of tissue healing and pain control. During this lecture/lab course, students will have the opportunity to learn common physical therapy modalities including cryo/thermotherapy, traction, ultrasound and electrical stimulation. *30 hours of direct instruction and 60 hours of lab is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107, PTA 110, PTA 112, PTA 114, PTA 115

Corequisites: PTA 204, PTA 205, PTA 212

Course Offering: Summer; third semester of technical track

Program Course Descriptions

PTA 212 PTA Seminar in Specialty Practice

3 credits

Introduces students to a variety of physical therapy specialties. Acute & long-term care, cardiopulmonary rehabilitation, geriatrics, orthotics & prosthetics, pelvic floor rehabilitation, and lymphedema management will be emphasized. Assessment and treatment of common diagnoses in these groups are addressed. Other topics may be presented based on community resources and guest presenters. *45 hours of direct instruction is required. Must complete with a 77% (C) or better.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107, PTA 110, PTA 112, PTA 114, PTA 115

Corequisites: PTA 204, PTA 205, PTA 210

Course Offering: Summer; third semester of technical track

PTA 230 Clinical Education II

6 credits

Provides an unpaid eight-week work experience in a clinical setting, under the supervision of a licensed physical therapist or physical therapist assistant who serves as clinical instructor (CI). Students will have the opportunity to integrate and apply academic knowledge and clinical skills learned over the course of the curriculum. Safety while practicing and perfecting assessment and intervention techniques is emphasized. Successful completion of all previous clinical and didactic coursework is required to participate in this course. In-services are a required component of this course. Clinical competence will be assessed by the student's CI using the Clinical Performance Instrument (CPI). *15 hours of direct instruction/student work + 272 clinical contact hours is required. Must complete with a 77% or better and meet all clinical requirements.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107, PTA 110, PTA 112, PTA 114, PTA 115, PTA 204, PTA 205, PTA 210, PTA 212

Corequisites: PTA 240

Course Offering: Fall; fourth semester of technical track

Program Course Descriptions

PTA 240 Clinical Education III

6 credits

Provides an unpaid eight-week work experience in a clinical setting, under the supervision of a licensed physical therapist or physical therapist assistant who serves as clinical instructor (CI). Students will have the opportunity to integrate and apply academic knowledge and clinical skills learned over the course of the curriculum. Safety while practicing and perfecting assessment and intervention techniques is emphasized. Successful completion of all previous clinical and didactic coursework is required to participate in this course. In-services are a required component of this course. Clinical competence will be assessed by the student's CI using the Clinical Performance Instrument (CPI). *15 hours of direct instruction/student work + 272 clinical contact hours is required. Must complete with a 77% or better and meet all clinical requirements.*

Prerequisites: PTT 101, PTA 102, PTA 103, PTA 104, PTA 105, PTA 106, PTA 107, PTA 110, PTA 112, PTA 114, PTA 115, PTA 204, PTA 205, PTA 210, PTA 212

Corequisites: PTA 240

Course Offering: Fall; fourth semester of technical track