

ALLIED HEALTH DIVISION CTE

Contact Information

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The Division of Allied Health–Career and Technical Education (CTE) offers a variety of Associate of Applied Science degree programs designed to prepare students for careers in today's dynamic healthcare workforce. Reporting to the Dean of the School of Health Professions, the Division Chair works collaboratively with Program Directors and faculty to provide high-quality, workforce-focused education that meets the evolving needs of healthcare employers and the communities they serve.

Students enrolled in Allied Health–CTE programs complete a comprehensive course of study that integrates General Education Core requirements, discipline-specific coursework, and experiential learning opportunities. Through their programs of study, students develop the knowledge, technical competencies, professional behaviors, and critical thinking skills necessary for success in a variety of healthcare settings.

The Division emphasizes applied learning through classroom, laboratory, simulation, clinical, practicum, internship, and other work-based learning experiences, as appropriate to each program. Students also have opportunities to participate in seminars, professional development activities, service learning, student organizations, and other educational experiences that enhance career readiness, promote lifelong learning, and prepare graduates to meet the healthcare needs of diverse populations.

PTAE-101 PHYSICAL THERAPY IN HEALTH CARE 2 Credits

This course studies the role of physical therapy in the health care world. Discussions include the role of the physical therapist assistant (PTA), the relationship between the PTA and the physical therapist (PT), and the delivery of physical therapy care. An introduction to the "patient/client" and the overall health care team is included. Health care ethics, standards specific to physical therapist assistants, diverse patient populations, and other topics are explored. Pre-requisite: Admission to PTA program. Co-requisites: PTAE-107, PTAE-110, and PTAE-211.

PTAE-107 KINESIOLOGY 4 Credits

This course will study human movement and the functional anatomy of the human body. The framework of musculoskeletal anatomy, muscle stabilization, balance, and function in daily activities is applied to physical therapy care. Normal and abnormal mechanics of body movement is explored. Students analyze tasks that span from simple activities of daily living to more complex occupational and athletic tasks. Pre-requisite: Admission to PTA program. Co-requisites: PTAE-101, PTAE-110, and PTAE-211.

PTAE-110 PRINCIPLES AND PROCEDURES OF PATIENT CARE 3 Credits

This course develops competencies in treatment interventions used by physical therapist assistants. The rationale for treatment, progression of treatment, and working under the direction of the physical therapist are emphasized. Students learn skills such as bed mobility, range of motion, transfers, gait training, assistive device use, and wheelchair mobility. Infection control and safety for patients, self, and others are emphasized. Pre-requisite: Admission to PTA program. Co-requisites: PTAE-101, PTAE-107, and PTAE-211.

PTAE-113 CLINICAL PATHOLOGY 2 Credits

This course is an overview of basic disease progression and classification with special emphasis on the inflammatory response are presented in this course. Exploration of pathologies that include: oncology, developmental and genetic diseases, hemodynamic disorders, nutritional pathology, infectious disease, cardiovascular and pulmonary disorders, lymphatic, endocrine, and dermatological disorders. Musculoskeletal and other pathologies treated with physical therapy interventions are also explored. Pre-requisite: Admission to PTA program; PTAE-207, PTAE-208, and PTAE-217. Corequisites: PTAE-204, PTAE-240.

PTAE-204 THERAPEUTIC MODALITIES 3 Credits

This course provides an in-depth understanding of therapeutic modalities used as adjuncts to physical therapy interventions. Students develop competence in the application of therapeutic modalities including heat, cold, electrotherapy, intermittent compression, massage, traction, and ultrasound. The use of hydrotherapy and various treatments for wound care are explored. Evidenced-based practice and indications/contraindications are emphasized. Pre-requisite: Admission to PTA program; PTAE-207, PTAE-208, PTAE-211, PTAE-217. Corequisites: PTAE-113, PTAE-240.

PTAE-207 THERAPEUTIC EXERCISE 4 Credits

This course presents strengthening and conditioning principles and how these principles relate to rehabilitation of dysfunction. Students learn how range of motion, strength, endurance, power, speed, agility, balance, proprioception and kinesthesia relate to function and rehabilitation. Pre-requisite: Admission to PTA program; PTAE-101, PTAE-107, and PTAE-110. Corequisites: PTAE-208, PTAE-211, PTAE-217.

PTAE-208 ORTHOPEDIC REHAB 4 Credits

This course emphasizes development, progression, and understanding of therapeutic exercise and other treatment practices for patients with musculoskeletal pathologies. Only those students who have successfully completed previous PTAE program coursework are eligible to enroll in this course. Pre-requisite: Admission to PTA program; PTAE-101, PTAE-107, and PTAE-110. Corequisites: PTAE-207, PTAE-211, PTAE-217.

PTAE-211 DATA COLLECTIONS 3 Credits

This course will develop competence in the skills of measurements used in physical therapy. The use of goniometers, blood pressure cuffs, grip meters, and other tools of measurement are included. Analyzing gait, posture, and measuring muscle strength are included. Lab assessments include the reporting of observable and measurable data and their significance to patient progress. Emphasis is given to effective oral and written communication for reporting and documentation. Pre-requisite: Admission to PTA program; PTAE-101, PTAE-107, and PTAE-110.

PTAE-215 SPECIAL POPULATIONS 3 Credits

Students are introduced to the therapeutic principles and practices underlying the treatment of patients with amputations, burns, cardiopulmonary pathologies and considerations, women's health issues, and selected age-specific disorders. Includes lab. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-204, PTAE-113, PTAE-240. Corequisites: PTAE-221, PTAE-241.

PTAE-217 NEUROLOGICAL REHABILITATION 4 Credits

This course guides students through the principles and practices used in the rehabilitation of individuals with neurological conditions. The principles incorporate musculoskeletal and neurological therapeutic exercise across the lifespan. Proprioceptive neuromuscular facilitation, neurodevelopmental theory and other facilitation techniques are learned. Pediatric training for developmental conditions is explored. Includes lab. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-101, PTAE-107, PTAE-110, PTAE-211. Corequisites: PTAE-207, PTAE-208.

PTAE-221 SEMINAR 2 Credits

Psychosocial considerations are reviewed with application to cultural/gender/aging/family dynamics in relation to disease, dysfunction, death and dying and the grieving process. In addition, caregiver self-care, assertive communication, and clinical burnout are presented. Includes an introduction to effective administration aspects of varied physical therapy environments. Preparation for entering the physical therapy workplace is also explored. A review of the required text with an emphasis on board exam study and test-taking strategies is included. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-204, PTAE-113, PTAE-240. Corequisites: PTAE-215, PTAE-241.

PTAE-240 CLINICAL AFFILIATION 1 7 Credits

An 8-week, full-time clinical experience in a physical therapy clinical environment. Students use the competencies learned in their PTA technical courses to assist with treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking, are practiced in a supervised setting. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-207, PTAE-208, PTAE-217. Corequisites: PTAE-204, PTAE-113.

PTAE-241 CLINICAL AFFILIATION 2 7 Credits

An 8-week, full-time clinical experience in a physical therapy clinical environment. Students use the competencies learned in their PTA technical courses to assist with treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking are practiced in a supervised setting. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-240, PTAE-204, PTAE-113. Corequisites: PTAE-215, PTAE-221.