

PHYSICAL THERAPY TECHNICIAN CERTIFICATE PROGRAM

Blended Delivery - Offered at AUS, SA and MCA

Program Objective: Students in the Physical Therapy Technician Certificate Program learn anatomy and physiology, medical terminology, pathology, modality applications that include ultrasound, massage, therapeutic exercises, electrical stimulation, hydrotherapy, and other modality applications. The program includes lecture, laboratory exercise and practice, as well as externship. The PTT will work under the direct supervision of a Physical Therapist in a variety of settings providing support, training and treatment for patients who are recovering from an injury or adapting to trauma or disability. Graduates will be prepared for entry-level positions in a variety of settings, such as private clinics, chiropractic offices, inpatient and outpatient hospital settings, as well as settings like fitness facilities.

Program Requirements: Applicants to the Physical Therapy Technician Certificate Program are required to have a High School Diploma or GED. Diplomas issued outside of the United States must be translated and notarized prior to enrollment, should be able to read and write English. All entrants must take and pass the Scholastic Level Exam with a minimum score of 12. The participants should have good coordination, be neat, professional, and be able to lift 40 pounds.

Program Length: The total length of this program is 900 clock hours, 36 weeks.

Delivery Method: Blended Class Delivery

	COURSE TITLE	LECTURE HOURS	LAB HOURS	EXTERN HOURS	TOTAL HOURS	SEMESTER CREDITS
MODULE I						
MSS130	Master Student/Study Skills	8	0	0	8	0.5
HIP 130	HIPAA/ OSHA /Infection Control	10	0	0	10	0.5
OAPT130	Overview of Anatomy, Physiology and Medical Terminology	48	0	0	48	3.0
		66	0	0	66	4.0
MODULE II						
PTT 301	Anatomy and Physiology for Physical Therapy Technologist	48	32	0	80	4.0
PTT 302	Pharmacology	16	0	0	16	1.0
		64	32	0	96	5.0
MODULE III						
PTT 303	Introduction to Physical Therapy Technology	32	0	0	32	2.0
PTT 304	Physical Therapy Theory and Lab	16	48	0	64	2.5
		48	48	0	96	4.5
MODULE IV						
PTT 305	Psychology of Behavior Change and Life Span Development	32	32	0	64	3.0
PTT 306	Nutrition Overall Wellness	24	8	0	32	1.5
		56	40	0	96	4.5
MODULE V						
PTT 307	Therapeutic Standards	16	48	0	64	2.5
PTT 308	CPR, First Aid and Vital Signs	8	24	0	32	1.0
		24	72	0	96	3.5
MODULE VI						
PTT 309	Medical Law & Ethics for Physical Therapy Technology	16	8	0	24	1.0
PTT 310	Pathophysiology for Physical Therapy Technologist	48	24	0	72	3.5
		64	32	0	96	4.5
MODULE VII						
PTT 311	Sports Injury Management	16	40	0	56	2.0
PTT 312	Prosthetics and Orthotics and Physical Therapy	16	24	0	40	1.5
		32	64	0	96	3.5
MODULE VIII						
CSP201	Customer Service/Professionalism and Career Preparation	30	18	0	48	2.5
PTT 313	Cert Prep for Physical Therapy Technician	15	15	0	30	1.5
PTX300	Physical Therapy Technician Externship	0	0	180	180	4.0
		45	33	180	258	8.0
TOTAL HOURS /CREDITS		399	321	180	900	37.5

Total Program Hours = 900 /37.5 Semester Credits

Note: Upon successful completion of all course work, typing requirements, externship, and fulfillment of all financial obligations to the school, the student is awarded a certificate of completion. Successful completion of course work is defined as completing the program with a minimum cumulative GPA of 2.0.

COURSE DESCRIPTIONS:

Course descriptions include the course number, title, and synopsis, a listing of lecture, laboratory, externship hours, total clock hours and academic credits. For example, the listing “15/30/0/45/2.0” indicates that the course consists of 15 hours of lecture, 30 hours of laboratory, 0 externship hours, 45 total clock hours and 2.0 academic credits.

Note: Students must successfully complete all prerequisite courses in sequence before advancing. Other courses may not be offered in the sequence listed below. Module 1 is a prerequisite for all other modules.

MSS130	MASTER STUDENT/STUDY SKILLS	8/0/0/8/0.5
Students will become familiar with basic study and learning skills to include learning styles, goal setting, memorization techniques, reading comprehension, note taking, test taking, critical thinking, effective communication diversity, and technology. Prerequisite: None.		
HIP130	HIPAA/OSHA/INFECTION CONTROL	10/0/0/10/0.5
Students will learn about the Health Insurance Portability and Accountability Act (HIPAA). This course will identify rights for individuals and the processes that health care providers must implement to support individual rights. Students must demonstrate knowledge of the rules for the use and disclosure of information. Students will learn about transmission of disease, hand washing techniques and gloving. This course will ensure that students are aware of biohazards and airborne pathogens, including infection control procedures and laboratory safety. Students must demonstrate infection control procedures and laboratory safety. Prerequisite: None.		
OAPT 130	OVERVIEW OF ANATOMY, PHYSIOLOGY AND MEDICAL TERMINOLOGY	48/0/0/48/3.0
Students will learn and Identify basic structures, functions and dysfunctions of the body, as well as medical terminology, abbreviations and symbols that are necessary tools for building a medical vocabulary. This course covers general treatment of the sensory, skeletal and muscular, nervous, endocrine, digestive, respiratory, Circulatory, Urinary and reproductive, and integumentary systems. Prerequisite: None.		
PTT301	ANATOMY AND PHYSIOLOGY FOR PHYSICAL THERAPY TECHNOLOGIST	48/32/0/80/4.0
Students will learn the structure and function of the human body with an emphasis on the musculoskeletal system, muscle origins, insertions, actions as they relate in the kinematic chain. Axial/Appendicular Skeleton are reviewed. Research Assignment 1 – Career Services Prep. Prerequisite: MODULE I.		
PTT302	PHARMACOLOGY	16/0/0/16/1.0
Students will learn classification of drugs, their actions, side effects and/or adverse reactions. This course introduces sources and forms of drugs, drug classifications, drug effects on the body systems, and basic concept of administration and calculation of dosages. Prerequisite: MODULE I.		
PTT303	INTRODUCTION TO PHYSICAL THERAPY TECHNOLOGY	32/0/0/32/2.0
Students will learn the history of physical therapy; define members of healthcare team, job duties and responsibilities, as well as professional conduct. Medical abbreviations and the structure of the components of words are also studied. Prerequisite: MODULE I.		
PTT304	PHYSICAL THERAPY THEORY AND LAB	16/48/0/64/2.5
Students will learn the rational and physiological interventions of modalities applied to soft tissue injuries in their various stages of repair. Ultrasound, electrical stimulations, various massage and therapeutic techniques, weight training, heat and cold applications accompanied by Range of Motion and Set ups are presented in lecture as well as hands on experience. Research Assignment 2 – Career Service Prep. Prerequisite: Module I.		
PTT305	PSYCHOLOGY OF BEHAVIOR CHANGE AND LIFE SPAN DEVELOPMENT	32/32/0/64/3.0
This course is designed to cover diverse concepts associated with being a Physical Therapy Technician. These include but not limited to personality, behavior change, exercise adherence, motivational strategies, lifespan development and effective communication. Prerequisite: Module I.		

PTT306	NUTRITION OVERALL WELLNESS	24/8/0/32/1.5
<p>This course covers the wellness and nutrition aspects to health and fitness. It is designed to provide the student with a sound wellness background so that their decisions may be made concerning all aspects of health and fitness. Additionally, specific wellness and nutritional techniques used to improve health and fitness performance are addressed. Prerequisite: Module I.</p>		
PTT307	THERAPEUTIC STANDARDS	16/48/0/64/2.5
<p>Students will learn body mechanics, transfers, ambulation with assistive devices. Students will also learn draping techniques are discussed. Research Assignment 3 – Career Services Prep. Prerequisite: Module I.</p>		
PTT308	CPR, FIRST AID AND VITAL SIGNS	8/24/0/32/1.0
<p>Students will learn how to administer first aid in non-life threatening emergencies; students will also learn procedures for activating the emergency medical system and providing CPR. Students will also learn the measurements of basic vital signs; students will have the opportunity to obtain vital sign in a lab setting. Prerequisite: Module I.</p>		
PTT309	MEDICAL LAW AND ETHICS FOR PHYSICAL THERAPY TECHNOLOGY	16/8/0/24/1.0
<p>Students learn how ethical codes and the governing of the medical practice, how certification/licensure is granted and/or revoked, patient confidentiality and medical liability and negligence. Prerequisite: Module I.</p>		
PTT310	PATHOPHYSIOLOGY FOR PHYSICAL THERAPY TECHNOLOGIST	48/24/0/72/3.5
<p>Students will learn diseases, disorders and deformities that are related to Physical Therapy, with an emphasis on neurological and musculoskeletal disorders. Treatment and Therapeutic procedures performed are also discussed. Research Assignment 4 – Career Services Prep. Prerequisite: Module I.</p>		
PTT311	SPORTS INJURY MANAGEMENT	16/40/0/56/2.0
<p>Students will learn various mechanisms associated with specific athletic injuries and the considerations for prevention. Assessment and rehabilitation are presented in particular body areas with consideration to soft tissue, neurological and bony complications. This course will also introduce students to understand the basic principles of kinesio-taping, ace wrapping and splinting. Research Assignment 5 – Career Services Prep. Prerequisite: Module I.</p>		
PTT312	PROSTHETICS AND ORTHOTICS IN PHYSICAL THERAPY	16/24/0/40/1.5
<p>This course is an introduction for the student to understand basic principles of prosthetic-orthotics. As a member of the rehabilitation care team students will learn how individuals with disabilities increase their functional abilities by using prosthetic (replacement) or orthotics (support) devices. Students will also learn proper body mechanics, transfers and the different types of ambulation with assistive devices. Prerequisite: Module I.</p>		
CSP201	CUSTOMER SERVICE/PROFESSIONALISM AND CAREER PREPERATION	30/18/0/48/2.5
<p>This course will teach the student about professionalism, including work-place behaviors that result in positive business relationships. Students will learn goal-setting, stress-management, time-management, professional dress, etiquette, diversity in the work place relationships, excellent customer service, communication at work, conflict management, job search skills, building resumes, and interview techniques. Prerequisite: Modules I-VII.</p>		
PTT313	CERT PREP FOR PHYSICAL THERAPY TECHNICIAN	15/15/0/30/1.5
<p>Certification Prep allows the student to review for a national registry exam. This is done by using review material and the use of practice exam that covers all areas of the exam. Student will complete exam application and take certification exam. Prerequisite: Modules I-VII.</p>		
PTX300	PHYSICAL THERAPY TECHNICIAN EXTERNSHIP	0/0/180/180/4.0
<p>Students will be able to apply in a practical setting the professional skills learned in the classroom, as a Physical Therapy Technician. Prerequisite: All Previous Courses.</p>		