

Physical Therapist Assistant

Program Number: 10-524-1

Associate in Applied Science Degree

Health-Related Professions Program Cluster

Center of Health & Safety Education

Program offered at Madison Campuses

For information call: (608) 246-6065 or
(800) 322-6282 Ext. 6065

About the Program

Physical therapy is a health profession with the primary purpose of promoting optimal human health and function through the application of scientific principles to prevent, identify, assess, correct, or alleviate acute or prolonged movement dysfunction. The physical therapist assistant (PTA) is a technical health care worker who carries out patient treatments under the supervision of a physical therapist. PTAs find employment in clinics, hospitals, nursing homes, rehabilitation centers, home care agencies, schools, private health and fitness centers, and other settings.

Physical therapist assistants work under the supervision of a physical therapist. Their duties include: assisting the physical therapist with treatment programs according to the plan of care; training patients in exercises and activities of daily living; conducting treatments; using special equipment; administering modalities and other treatment procedures; and reporting to the physical therapist about the patient's responses.

Accreditation/Credentialing

Madison Area Technical College has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association (1111 North Fairfax Street, Alexandria, VA 22314; phone 703-706-3245; email: accreditation@apta.org). Candidacy is not an accreditation status nor does it assure eventual accreditation. Candidate for Accreditation is a pre-accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program is progressing towards accreditation.

Application Process

To apply for the program, students must submit an application, online or paper. A \$30 application fee (if not previously paid) plus \$5 online fee, high school transcripts or GED/HSED scores, all college transcript(s) and COMPASS/ASSET test scores.

Unique Requirements for Admission

The applicant will be expected to have better than average grades. An acceptable COMPASS, ACT, SAT, or ASSET test is required. Applicants must have successfully completed with a grade of C or better, two high school semesters or one college semester of chemistry and biology and have Algebra competency demonstrated with satisfactory testing within 2 years prior to applying.

Program Requirements

- 1) CPR Health Care Provider certification
- 2) Caregiver Background Check (CBC)
- 3) physical exam and a completed Health History Form on file prior to beginning clinical experiences involving direct client care.



Curriculum

The courses listed below outline the requirements for graduation for students entering this program in the 2011-2012 academic year. Requirements for graduation may vary depending on the semester in which a student is admitted to their program. Current/continuing students should consult their degree progress report available through their student center account for specific graduation requirements. Program requirements are subject to change.

FIRST YEAR

Spring Semester

	Credits	Hrs/week Lec-Lab
10-806-177 General Anatomy and Physiology ** OR	4	5-4
20-806-206 General Anatomy and Physiology **	(4)	(5-4)
10-801-195 Written Communication * OR	3	3-0
20-801-201 English 1 *	(3)	(3-0)
10-524-138 PTA Kinesiology 1	3	2-2
10-524-139 PTA Patient Interventions	4	2-4
10-524-140 PTA Professional Issues 1	2	2-0
Semester Total	16	

Summer Semester

10-809-166 Intro to Ethics: Theory & App* OR	3	3-0
20-809-266 Ethics in Medicine *	(3)	(3-0)
20-809-231 Intro to Psychology *	3	3-0
10-809-197 Contemporary American Society * OR	3	3-0
20-809-203 Intro to Sociology *	(3)	(3-0)
Semester Total	9	

Fall Semester

10-801-198 Speech * OR	3	3-0
10-801-196 Oral/Interpersonal Communications* OR	(3)	(3-0)
20-810-201 Fund of Speech * OR	(3)	(3-0)
20-810-205 Interpersonal & Small Group Comm	(3)	(3-0)
10-809-188 Development Psychology *OR	3	3-0
20-809-233 Development Psychology*	(3)	(3-0)
10-524-141 PTA Kinesiology 2	4	2-4
10-524-142 PTA Therapeutic Exercise	3	1-4
10-524-143 PTA Therapeutic Modalities	4	2-4
Semester Total	17	

SECOND YEAR

Spring Semester

10-524-144 PTA Princ of Neuro Rehab (14 weeks)	4	2.16-5
10-524-145 PTA Princ of Musculo Rehab (14 weeks)	4	2.16-5
10-524-146 PTA Cardio & Integ Mgmt (14 weeks)	3	2.16-2.5
10-524-147 PTA Clinical Practice 1 – 1 hour lecture for 8 weeks, then 3 weeks full time in clinic	2	1-40#
Semester Total	13	

Summer Semester

10-524-148 PTA Clinical Practice 2 (4 weeks)	3	0-40#
10-524-149 PTA Rehab Across the Lifespan (4 weeks)	2	9-0
10-524-150 PTA Professional Issues 2 (4 weeks)	2	9-0
10-524-151 PTA Clinical Practice 3 (7 weeks)	5	0-40#
Elective	3	3-0
Semester Total	15	

* Courses which may be taken prior to entering the program. May also be taken at the College-Transfer level. Must have C's or better to transfer. A copy of the essential functions necessary to successfully complete the program of study & a copy of the program's mission statement and strategic plan is available from the website.

Full-time Clinical Work Experience

** Satisfactorily completion of Anatomy & Physiology prior to application or while on the waiting list qualifies for priority admission into the program on a space available basis, but has to be taken within 5 years of acceptance into the program.

Note: Students are placed in English or mathematics courses based on their scores on the

Program Courses

10-524-138 PTA Kinesiology 1 3 credits
Introduces basic principles of musculoskeletal anatomy, kinematics, and clinical assessment. Students locate and identify muscles, joints, and other landmarks of the lower quadrant in addition to assessing range of motion and strength. Pre-requisite: Admission requirements for the program & 20-806-206. Co-requisites: 10-524-139 & 10-524-140

10-524-139 PTA Patient Interventions 4 credit
An introduction to basic skills and physical therapy interventions performed by the physical therapist assistant. Pre-requisite: Admission requirements for the program & 20-806-206. Co-requisites: 10-524-138 & 10-524-140

10-524-140 PTA Professional Issues 1 2 credit
Introduces the history and development of the physical therapy program; legal and ethical issues; the interdisciplinary health care team; and professional communication skills. Pre-requisite: Admission requirements for the program & 20-806-206. Co-requisites: 10-524-138 & 10-524-139

10-524-141 PTA Kinesiology 2 4 credit
Applies basic principles from PTA Kinesiology 1 to the axial skeleton and upper quadrant including location and identification of muscles, joints and other landmarks. Assess range of motion and strength of the axial skeleton and upper quadrant. Integrate analysis of posture and gait. Pre-requisites: 10-524-138, 10-524-139 & 10-524-140. Co-requisites: a10-524-142 & 10-524-143

10-524-142 PTA Therapeutic Exercise 3 credit
Provides instruction on the implementation of a variety of therapeutic exercise principles. Learners implement, educate, adapt, and assess responses to therapeutic exercises. Pre-requisites: 10-524-138, 10-5224-139 & 10-524-140. Co-requisites: 10-524-141 & 10-524-143.

10-524-143 PTA therapeutic Modalities 4 credits
Develops the knowledge and technical skills necessary to perform numerous therapeutic modalities likely to be utilized as a PTA. Pre-requisites: 10-524-138, 10-5224-139 & 10-524-140. Co-requisites: 10-524-141 & 10-524-142.

10-524-144 PTA Princ of Neuro Rehab 4 credits
Integrates concepts of neuromuscular pathologies, physical therapy interventions, and data collection in patient treatment. Pre-requisites: 10-524-141, 10-524-142 & 10-524-143. Co-requisites: 10-524-145, 10-524-146 & 10-524-147.

10-524-145 PTA Princ of Musculo Rehab 4 credits
Integrates concepts of musculoskeletal pathologies, physical therapy interventions, and data collection in patient treatment. Pre-requisites: 10-524-141, 10-524-142 & 10-524-143. Co-requisites: 10-524-144, 10-524-146 & 10-524-147.

10-524-146 PTA Cardio & Integ Mgmt 3 credits
Integrates concepts of cardiopulmonary and integumentary pathologies, physical therapy interventions, and data collection in patient treatment. Pre-requisites: 10-524-141, 10-524-142 & 10-524-143. Co-requisites: 10-524-144, 10-524-145 & 10-524-147.

10-524-147 PTA Clinical Practice 1 2 credits
Provides a part-time clinical experience to apply foundational elements, knowledge, and technical skills pertinent to physical therapy practice. Pre-requisites: 10-524-141, 10-524-142 & 10-524-143. Co-requisites: 10-524-144, 10-524-145 & 10-524-146.

10-524-148 PTA Clinical Practice 2 3 credits
Provides another part-time clinical experience to apply foundational elements, knowledge, and technical skills required of the entry level physical therapist assistant in various practice settings. Pre-requisites: 10-524-145, 10-524-146 & 10-524-147. Co-requisites: 10-524-149, 10-524-150 & 10-524-151.

10-524-149 PTA Rehab Across the Lifespan 2 credits
A capstone course that integrates concepts of pathology, physical therapy interventions and data collection across the lifespan. In addition the PTA's role in health, wellness and prevention; reintegration, and physical therapy interventions for special patient populations will be addressed. Pre-requisites: 10-524-144, 10-524-145, 10-524-146 & 10-524-147. Co-requisites: 10-524-148, 10-524-150 & 10-524-151.

10-524-150 PTA Professional Issues 2 2 credits
Incorporates professional development, advanced legal and ethical issues, healthcare management and administration, and further development of professional communication strategies. Pre-requisites: 10-524-144, 10-524-145, 10-524-146 & 10-524-147. Co-requisites: 10-524-148, 10-524-149 & 10-524-151.

10-524-151 PTA Clinical Practice 3 5 credits
Provides a full-time clinical experience to apply foundational elements, knowledge, and technical skills required of the entry level physical therapist assistant in various practice settings. Pre-requisites: 10-524-144, 10-524-145, 10-524-146 & 10-524-147. Co-requisites: 10-524-148, 10-524-149 & 10-524-150. Pre/Co-requisites: all required general education classes.

Career Potential:

- Physical Therapist Assistant

More detailed and updated information on this program may be available at: madisoncollege.org. The college reserves the right to make changes in the regulations and courses announced in this publication without notice.

Madison Area Technical College provides equal opportunity in education and employment.

Rev. 01/11