



UNIVERSITY *of* MARYLAND
SCHOOL OF MEDICINE

**DEPARTMENT OF PHYSICAL THERAPY
AND REHABILITATION SCIENCE**

[HTTP://PT.UMARYLAND.EDU](http://pt.umaryland.edu)

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Physical Therapist Job Outlook

www.bls.gov

Employment of physical therapists is expected to increase 39% from 2010 to 2020, much faster than the average for all occupations.

Demand for physical therapy services will come, in large part, from the aging baby boomers, who are staying more active later in life than previous generations.





**Department of Physical Therapy
and Rehabilitation Science**

Who are we?



University of Maryland Baltimore

(Research Intensive University)



School of Medicine

(Focus on Medical Education)

Graduate School

(Focus on Research Training)



Department of Physical Therapy and Rehabilitation Science (PTRS)

Training of Clinical Practitioners (Physical Therapy: DPT)

Training Researchers/ Academics (Rehabilitation Science: PhD)



**Department of Physical Therapy
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PTRS Mission

The Department of Physical Therapy and Rehabilitation Science (PTRS) advocates for and advances societal health by optimizing wellness and human performance through excellence in education, research, clinical practice and service.





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PTRS Vision

- ❖ Graduating culturally competent professionals capable of delivering excellent client-centered clinical care through critical thinking, evidence based practice, and lifelong learning (EDUCATION)
- ❖ Providing new knowledge and evidence that enhances rehabilitation science and supports clinical practice through expertise, innovation, technology, and science (RESEARCH, CLINICAL PRACTICE)
- ❖ Guiding and promoting the physical therapy profession and rehabilitation science through engagement with scientific and professional organizations as well as local, national, and international communities (SERVICE)



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Degree Options

School of Medicine

Doctor of Physical
Therapy (DPT)

- ❖ Clinical practice as an independent practitioner
- ❖ Possibly eligible for academic position
- ❖ 3 years
- ❖ Lock-step curriculum

Graduate School

PhD in Rehabilitation
Science

- ❖ Independence as a researcher
- ❖ Eligible for academic position
- ❖ Average 5+ years
- ❖ Diverse curricular offerings-multi-campus

SOM and Grad School

Dual Degree Options

- DPT / Masters of Public Health
- DPT-PhD
- Available ONLY after acceptance into the DPT
- Competitive application process



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DPT PROGRAM GOALS



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DPT Student Outcomes

- ❖ Function as an entry-level independent point of entry provider of physical rehabilitation and rehabilitation services
- ❖ Effectively manage care for persons in medically-complex, rehabilitation, and community-based settings
- ❖ Autonomously practice in a variety of healthcare environments
- ❖ Provide guidance and interventions to promote wellness and prevention and to enhance the physical performance of persons in the community





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DPT Student Outcomes

- ❖ Effectively communicate orally and in writing with patient/families, colleagues, other health care professionals and the general public
- ❖ Contribute to the management of physical therapy services, administration and marketing strategies, and fiscal responsibilities within a practice setting
- ❖ Initiate a plan of lifelong learning and continuing competence
- ❖ Participate in service and / or professional activities that advance the profession of physical therapy
- ❖ Use evidence as a basis for critical thinking, decision-making and independent practice



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DPT CURRICULUM



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Hybrid Curricular Design

Blend “traditional” with “block” instruction

- ❖ Immersion in subject area(s)
- ❖ Incorporate strengths of multiple faculty
- ❖ Integration of topics
- ❖ Improved efficiency of student’s time



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Curriculum Calendar

May/Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
BS1 Professional Issues 1			BS2				BS3			Professional Issues 2	
Medical Issues			Musculoskeletal Issues 1 Neuromuscular Issues 1 Integrated Clinical Experience 1				Musculoskeletal Issue 2 Neuromuscular Issues 2 Integrated Clinical Experience 2			Clinical Qualifying Measures	
Professional Issues 3		Full Time Internship 1				Full Time Internship 2		Full Time Internship 3			



Interprofessional Education



Campus-wide Interprofessional Education Course integrated into the DPT Curriculum

IPE Day with Interprofessional Simulated Case Practice

(DPT, MD, Nursing, Pharmacy, Dentistry, Social Work, Law, Public Health)

Multiple IPE Experiences available throughout the three years in the program



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Testing

A variety of methods are used to test your knowledge and skills throughout the curriculum:

Written exams/ Quizzes

Assignments

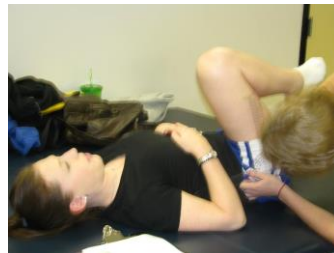
- (documentation notes, research reviews, evidence-based medicine projects)

Performance Based Exams (PBAs)

Modules

Standardized patients

Clinical performance





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YEAR I



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Basic Sciences I

- ❖ Gross anatomy dissection
- ❖ Osteology
- ❖ Embryology
- ❖ Functional anatomy





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Basic Sciences II

- ❖ Cell / muscle biology
- ❖ Physiology
- ❖ Pathology
- ❖ Neurology
- ❖ Neuroanatomy
- ❖ Development
- ❖ Pharmacology
- ❖ Introduction to tests and measures



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Basic Sciences III

- ❖ Biomechanics
- ❖ Therapeutic technologies
- ❖ Tests and measurements
- ❖ Basic rehabilitation
- ❖ Basic therapeutic exercise
- ❖ Massage / soft tissue
- ❖ Graded exercise testing





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Professional Issues I

- ❖ Code of Ethics
- ❖ Evidence-based practice
- ❖ Guide to Physical Therapy Practice
- ❖ Foundational psychomotor skills
- ❖ Medical terminology



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Professional Issues II

- ❖ Professional roles: (clinician, researcher, advocate)
- ❖ Autonomous practice
- ❖ Documentation
- ❖ Cultural diversity
- ❖ Finding and utilizing evidence
- ❖ Disability awareness
- ❖ Pinning ceremony





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YEAR 2



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Management of Medical Issues

- ❖ Acute illness
- ❖ Cardiovascular and Pulmonary disease
- ❖ Vascular and integumentary disorders
- ❖ Amputation and Limb prosthetics
- ❖ Orthotics





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Musculoskeletal Issues I & II

Differential orthopedic diagnosis and intervention

- sport injuries, orthopedic surgical cases, general orthopedic conditions
- MS1: Peripheral
 - Shoulder, elbow, wrist, hand, hip knee ankle, foot
- MS2: Spine / Pelvis



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Neuromuscular Issues I & II

Neuromuscular injury and disease – examination and intervention

- NM1: Cortical / Subcortical Diagnoses
 - Stroke, Head injury, Tumors, Developmental Delay, Cerebral Palsy, Vestibular and Cerebellar Disorders, Autism
- NM2: Subcortical, Spinal and Peripheral Diagnoses
 - Basal Ganglia Disorders, Spinal cord injury, Neuromuscular disorders, Chronic pain, Peripheral neuropathies





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All Clinical Blocks (MI, MS and NM)

Integrate and build upon material prior material:

- ❖ Psychology of disability
- ❖ Movement control and retraining
- ❖ Tests and measures
- ❖ Therapeutic technologies
- ❖ Research and evidence-based medicine
- ❖ Rehabilitation techniques / therapeutic exercise
- ❖ Documentation



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Integrated Clinical Experiences (ICE)

- ❖ ICE I and ICE II Concomitant with year 2 clinical courses
- ❖ 2 experiences
 - Fall and spring
 - Professional Practice Opportunities





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Clinical Qualifying Measures

Preparation

- Guided student review to assist with integration, clinical decision-making and time management in preparation for full time clinical internships

Clinical matriculation assessment

- Standardized patient encounter



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Professional Issues III

- ❖ Landing a job
- ❖ Communication and leadership
- ❖ Managing personnel
- ❖ Legal and statutory oversight
- ❖ Financial and risk management
- ❖ Coding and reimbursement





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Educational Space Within PTRS

- One dedicated lecture hall
- 5 large spaces for laboratory sessions
(one of these convertible to lecture space)
- 1 acute care lab (hospital beds, vents, IV)
- 2 Conference rooms
- 4 Dedicated rooms for student computers



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YEAR 3



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Clinical Education

Full-time internships (Current model)

- ❖ 3 separate experiences, 11 weeks each
- ❖ Required settings:
 - medically complex
 - community-based
 - elective rehabilitation specialty
- ❖ One non-local setting required



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Clinical Education

- ❖ We have access to >1000 clinical sites - Country-wide
- ❖ Transportation and lodging are the responsibility of the student
- ❖ Background check and drug screen are required

Results not shared with UMB, PTRS

http://pt.umaryland.edu/DPT_clinical_education_handbook.asp

**PTRS reserves the right to alter the Clinical Education placement,
to adapt to the fluid nature of the clinical environment**



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DPT COMMUNITY



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Community Cohesion



Combined Sections Meeting



Burn Camp Visitor's Day



Ropes Course



Intramural Sports Champions 2014



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Community Philanthropy



Swim Across
America



Phonathon



Wheel Chair Basketball
Challenge



Habitat for the
Humanity



Golf
Tournament



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Community Wellness



Community Health Fair



Campus Wellness Fair



Balance Project



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DPT FACULTY



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PTRS DPT Leadership

Chair



Dr. Mark Rogers



Dr. Karen Gordes
Director of Faculty and Student Affairs



Dr. Linda Horn
Director of Academic Affairs



Dr. Sandy McCombe Waller
Director of Educational Affairs



Dr. Laurie Neely
Director of Clinical
Education



**Department of Physical Therapy
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Faculty Overview



- ❖ 18 core faculty members all with Doctoral degree training; Associated faculty (PTs with clinical expertise to augment core faculty)
- ❖ 15 core faculty licensed physical therapists with diverse clinical backgrounds
- ❖ Representation of Clinical Specialist Certification in Orthopedics, Neurology, Pediatrics, Cardiovascular and Pulmonary, Geriatrics, Sports
- ❖ Faculty actively engaged in research with > 1 million dollars in annual funding (cutting-edge research in falls in the elderly, post stroke rehabilitation and mechanism of brain plasticity, rehabilitation robotics)
- ❖ Faculty active and hold offices in the American Physical Therapy Association and other professional organizations (international, national and state level)

EDUCATION RESEARCH CLINICAL PRACTICE SERVICE



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DPT STANDARDS



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Student Essential Functions

- ❖ **Observation:** The functional use of the sense of vision and other sensory modalities
- ❖ **Communication:** Professional written, verbal and non-verbal forms
- ❖ **Physical Performance Skills, Coordination, and Function:** Mobility, gross and fine motor, and coordination skills
- ❖ **Cognition:** Timely problem solving, safety judgment and reasoning
- ❖ **Behavioral and Social:** Maturity and emotional health

http://pt.umaryland.edu/dpt_student_handbook.asp



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Accreditation

The Entry-Level Doctor of Physical Therapy program at the University of Maryland School of Medicine is accredited by the Commission of Accreditation in Physical Therapy Education (**CAPTE**)

Address: 111 North Fairfax Street, Alexandria, Virginia, 22314
Telephone: 703-706-3245
Email: accreditation@apta.org
Website: <http://www.capteonline.org>

Next accreditation visit: 2026



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Student Outcomes

	2014	2015	2016	2017
Enrolled in original cohort	58 <small>No withdrawal</small>	64 <small>after 3 withdrawal</small>	55 <small>After 1 withdrawal</small>	54
Graduated on time	52	57	52	54
Graduated the following year	4	4	2	0
Graduation Rate:	96.5%	95%	98%	100%
Licensure Pass Rate:	100%	100%	100%	96.4% to date
Employed as PT within six months of passing the licensure exam.	100%	100%	100%	Data pending



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CAMPUS HIGHLIGHTS



University of Maryland Medical Center



Shock Trauma



Baltimore VA Medical Center



Student Union



Health Sciences Library



We are happy to answer questions at this time.

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Merci

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Gracias

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THANK
YOU

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Obrigado!