



Graduate Certificate Pediatric Rehabilitation Physical Therapy Program School of Health Sciences Oakland University

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ACCREDITATION

North Central Association of Colleges and Schools

DESCRIPTION

The graduate certificate in pediatric rehabilitation is designed to offer advanced, graduate-level courses in pediatrics to physical therapists and occupational therapists interested in developing clinical specialty skills. The certificate program is offered as a part-time course of study accommodating the needs of working professionals. Students enrolled in the program will participate in 17 credits of coursework including advanced theoretical and clinical training, emphasizing clinical decision-making, case management skills, and therapeutic procedures. For physical therapists, all of the required courses that comprise this certificate can be applied to the Master of Science in physical therapy degree or the Doctor of Science in physical therapy degree.

ADMISSION REQUIREMENTS

To be eligible for admission to this program, individuals must hold an entry-level physical therapy or occupational therapy degree from an APTA or AOTA accredited program or its equivalency, and must be a licensed physical therapist or a registered occupational therapist, or eligible for licensure or registration, respectively. Two years of clinical experience in pediatrics is highly recommended.

ADMISSION TERMS AND DEADLINES

Students may be admitted for the fall, winter or spring semester. Applications will be accepted until August 1 for the following fall semester and December 1 for the following winter semester and until April 1 for the following spring semester.

APPLICATION REQUIREMENTS

The application materials and steps to be completed are:

1. Application for Admission to Graduate Study and non-refundable application fee.
2. Professional vitae or resume and one page narrative goal statement outlining academic and professional goals.
3. Official transcripts of all previous undergraduate and graduate level academic work and proof of degree.
4. Two Recommendation for Graduate Admission forms or two letters of reference.
5. Official scores for the Test of English as a Foreign Language (TOEFL) and GRE from applicants who are graduates of programs taught in a language other than English.
6. International students must meet the application requirements described by Graduate Admissions.
7. Proof of licensure or registration or eligibility for licensure or registration in the State of Michigan. Students who do not have a license upon admission will be conditionally admitted until they provide proof of licensure. Proof of licensure is required to register for courses that require clinical hours.

REQUIREMENTS FOR THE CERTIFICATE

To fulfill the certificate requirements the student must complete, with at least a 2.5 grade in each course and an overall GPA of 3.00, a program consisting of PT 500, PT 502, PT 507, PT 525 and PT 536. (17 credits)

COURSE DESCRIPTIONS

PT 500 Foundations of Pediatric Practice (4 credits)

Beginning with the origins of the biological systems, the learner will review the impact of atypical physical development on independent performance and re-examine principles of sensorimotor, emotional and behavioral development for examination, evaluation, intervention, and functional goal-setting within multiple contexts.

PT502 Evidence Based Clinical Practice (2 credits)

An overview of evidence-based practice and its application to examination, evaluation, diagnosis, prognosis, and intervention in physical and occupational therapy. The course will also include a review of frameworks for clinical decision making, qualitative and quantitative research designs, and methods of assessing professional literature related to approaches used by health care professionals.

PT 507 Developmental Aspects of Pediatric Practice (4 credits)

Developmental theories and their application to growth and development in children as it relates to physical and occupational therapy evaluation and treatment. An exploration of how illness and disability affect cognitive, social-emotional, and motor development. Emphasis will be placed on the interaction among the various aspects of development, with particular attention to the effect of motoric and physiological dysfunction on cognitive and social-emotional growth and development.

PT 525 – Pediatric Musculoskeletal Examination and Intervention (3 credits)

An overview of normal development of the musculoskeletal system, fetal through skeletal maturity, lays the foundation for discussing the implications of atypical physical development. The application of examination and intervention strategies (e.g., adaptive equipment, functional massage, and assessing joint restrictions) for the upper and lower extremities, the spine and rib cage in children will be presented in lecture/lab format.

PT 536 Motor Control and Motor Learning: Theory and Application (4 credits)

The goal of this course is to integrate recent theories in neuroscience, motor learning, and motor control, biomechanics and movement analysis in order to enhance and expedite patient recovery following neurological injury. Construction of intervention sessions and patient interaction to optimize the learning activities will be analyzed with patient case examples common to neurological rehabilitation. Lectures, lab experiences, web materials, case studies and discussion will enhance the learning and integration of the course material.

COMPUTER ACCESS

Due to the nature of this program students must have basic computer skills to benefit from online learning experiences. Students must have use of a computer with internet access. If you do not own a computer Oakland University provides access to computer resources through a number of computer labs on campus. Students may also inquire at their local library regarding computer availability.

For further information contact:

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