

Physical Therapy

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The physical therapy department offers a five-year dual-degree program in clinical science and physical therapy. Students receive a bachelor of science degree in clinical science after four years of study at the Ithaca campus, and a master of science degree in physical therapy after the fifth year of study at the Rochester campus. Students must complete the fifth year to be eligible for physical therapy licensure. The five-year program is designed for both freshman entry and transfer applicants. The undergraduate component of the five-year program is described in the Ithaca College [undergraduate catalog](#). Applications are in the College's admissions prospectus.

The fifth year in physical therapy is an extension of the B.S. in clinical science curriculum on the Ithaca campus. The undergraduate program provides depth and breadth in the liberal arts and basic sciences, promoting independent study, skills for clinical practice, and an understanding of theory, communication, and critical thinking. The fifth year of study, a 12-month period, takes place at the Ithaca College Department of Physical Therapy on the University of Rochester campus. Students participate in learning opportunities in conjunction with Strong Memorial Hospital and the diverse clinical and research opportunities of the greater Rochester area. Full-time placements at clinical affiliations located throughout the country total 30 weeks and are integrated into the last three years of the program.

Admission Requirements

To be eligible for admission to the graduate year, applicants must have completed the B.S. program in clinical science and have achieved a cumulative GPA of at least 3.000.

Departmental Regulations

Academic Warning

In the event that a student finishes an academic block (12 credits) at a GPA below 3.000, or fails to remove a grade of incomplete (I) in the allotted time, or withdraws from a required course, or fails, drops, or withdraws from a clinical education course, the student will be placed on academic warning by the Division of Graduate Studies. Students may be allowed to progress in the curriculum only under conditions specified and approved by the department. Remediation for removal of academic warning status will be determined by the department faculty. Graduate students on academic warning may not be allowed to progress to clinical education courses. Warning will be removed when both of the following criteria are met:

1. The student's GPA for the following block (of 12 or more credits) is 3.000 or greater.
2. The student's overall GPA for the graduate year is 3.000 or greater.

If a student receives a grade of F on a clinical affiliation, he or she will be issued an academic warning by the Division of Graduate Studies. The student must remediate this grade in one or more of the following ways, as recommended by the faculty:

1. Attend an equivalent affiliation and receive a grade of pass.
2. Perform remedial work under the supervision of one or more faculty members.

Upon successful remediation, the warning will be removed and the student will be allowed the opportunity to progress in the program.

Academic Dismissal

A graduate student in the Department of Physical Therapy can be subject to dismissal for any of the following reasons:

1. Receiving a total of more than 6 credits of C (C-, C, C+) during the graduate year
2. Receiving a grade of F for any course in the graduate year (excluding clinical affiliation)
3. Remaining on academic warning for any two consecutive blocks of 12 or more credits each
4. Failing, dropping, or withdrawing from any two clinical education courses (undergraduate or graduate)
5. Failing to complete departmental remediation as prescribed by the faculty within the allotted time

Housing and Transportation Arrangements for Clinical Affiliations

During the full-time clinical affiliation, students are responsible for making housing arrangements and transportation to and from clinical facilities.

Master of Science in Physical Therapy

Graduation Requirements

All required graduate coursework is listed below and must be taken in sequence unless permission to deviate from the sequence or time frame has been approved by the faculty. Candidates for a master's degree in physical therapy are required to meet all requirements for graduation within three years of their matriculation into the graduate program.

All physical therapy majors must take graduate-level courses offered by the Department of Physical Therapy for a letter grade unless otherwise specified in the course descriptions.

Curriculum

671-60000	Clinical Conference II	1
671-60100	Pathokinesiology	3
671-60200	Psychosocial Aspects of Patient Care	2
671-60300	Cardiac Testing and Management	2
671-60500	Pulmonary Testing and Management	2
671-60600	Orthotics and Prosthetics	2
671-60700-671-60800	Research I-II <i>or</i>	
671-63000-671-63100	Thesis I-II	4
671-61000	Clinical Education III	3
671-61100	Clinical Education IV	3
671-61200	Clinical Education V	3

671-61300	Clinical Science I --- Orthopedics	3
671-61400	Clinical Science II --- Medicine	2
671-61500	Clinical Science III --- Neurology I	3
671-61600	Clinical Science IV --- Surgery	3
671-61700	Clinical Science V --- Neurology II	4
671-61800	Clinical Science VI --- Pediatrics	3
671-61900	Geriatrics in Physical Therapy	1
671-62000	Professional Issues in Physical Therapy	1
671-62100	Clinical Education VI	6
	Total	45

patient application, training, and management of complications. 2 credit. (S,Y)

671-60700 Research I

Principles and methods of scholarly inquiry. Topics include formulation of research problems, literature review, hypothesis testing, techniques of data collection, and analysis of results. Historical and philosophical methods are introduced, but the course focuses on descriptive and experimental methods. Culminates in a written preliminary research outline. 2 credits. (F,Y)

671-60800 Research II

Application of research theory to interpretation, analysis, and synthesis of scientific literature. Through group projects, the student is required to perform literature review and define methodologies including sampling, instrumentation, design analysis of data, and issues concerning reliability and validity. Culminates in a project presentation. Prerequisites: 671-60700. 2 credits. (S, Y)

671-61000 Clinical Education III

This is the third placement for a student in a clinical environment. The student is given the opportunity to apply more advanced theories and treatment procedures to a selected patient caseload with guidance from a clinical instructor. Six weeks in length. Prerequisites: Satisfactory completion of all prior required coursework. Pass/fail only. 3 credits. (F,Y)

671-61100, 671-61200 Clinical Education IV, V

These are the final placements of the student in a clinical environment. Two six-week sessions. Prerequisites: Satisfactory completion of all prior required coursework. Pass/fail only. 3 credits each. (Sum, Y)

671-61300 Clinical Sciences I --- Orthopedics

The pathogenesis, clinical presentation, medical and surgical management, and rehabilitation of orthopedic disorders. 3 credits. (S,Y)

671-61400 Clinical Science II --- Medicine

Survey of the most common diseases found in the practice of general medicine. Presentations emphasize medical management procedures and include a discussion of physical therapy procedures applied to this varied patient population. 2 credits. (F,Y)

671-61500 Clinical Science III --- Neurology I

Assessment and management of the adult patient with acquired brain disorders. 4 credits. (S,Y)

671-61600 Clinical Sciences IV --- Surgery

Survey of the most common forms of general surgery encountered in the practice of physical therapy. Emphasis is on general surgical techniques including indications, expected outcomes, and complications, as well as the pre- and postoperative role of the physical therapist. An in-depth review of peripheral vascular disease, decubitus ulcer, and burn management is presented. Corequisites: None. 3 credits. (S,Y)

671-61700 Clinical Science V --- Neurology II

The medical and physical therapy management of brain stem, spinal cord, and lower motor neuron disorders. Special emphasis is on the rehabilitation of the spinal cord-injured patient and the patient with multiple sclerosis. Prerequisites: 671-61500. 3 credits. (S,Y)

671-61800 Clinical Science VI --- Pediatrics

Etiology, pathology, diagnosis; medical, surgical, and clinical examination and evaluation; and physical therapy management of pediatric disorders of the neuromuscular system. The physiological basis and therapeutic techniques of neurophysiological approaches to intervention are examined. 3 credits. (S, Y)

671-61900 Geriatrics in Physical Therapy

Study of the special needs of the older adult. Preparation to plan physical therapy management of the problems of older individuals

Course Descriptions

In the following course descriptions, F=Fall, S=Spring, Y=Yearly.

671-60000 Clinical Conference II

Preparation for learning in the clinical environment. Students receive instruction on how to determine their own learning style, perform self-evaluation, and incorporate this information into the clinical education objectives. Includes techniques for problem solving, providing and accepting feedback, effective communication skills, and development of professional behaviors. 1 credit.

671-60100 Pathokinesiology

Presents specific pathological conditions (primarily organized according to anatomical regions) that result in disorders of posture, movement, and locomotion. The presentations and analyses of these pathokinesiological conditions include neurological, neuromotor, and musculoskeletal aspects with respect to the causes of dysfunction. Laboratory exercises require the student to use movement analysis equipment to demonstrate pathomechanics and abnormal movement patterns. 3 credits. (F,Y)

671-60200 Psychosocial Aspects of Patient Care

Review of psychological and social issues affecting patients and therapists in the clinic, home, and community environments. Addresses special topics relevant to assessing a patient's and clinician's response to illness. These topics include terminal illness, sexuality and illness or disability, psychosomatic illness, and selected psychiatric disorders. 2 credits. (S,Y)

671-60300 Cardiac Testing and Management (NLA)

Review of normal cardiac physiology and the response of this system to exercise and disease. Cardiac pathologies are discussed, including a review of the medical and surgical management of specific disease groups. Evaluation procedures utilized to determine the status of the cardiac system's performance are studied and performed in the laboratory. Clinical management procedures used by all members of the rehabilitation team are reviewed with emphasis on specific physical therapy procedures. 2 credits. (S,Y)

671-60500 Pulmonary Testing and Management (NLA)

Review of normal pulmonary physiology and the response of the pulmonary system to exercise and disease. Pulmonary pathologies are discussed, including a review of the medical and surgical management of specific disease groups. Evaluation procedures utilized to determine the status of the pulmonary performance are studied and performed in the laboratory. Clinical management procedures used by all members of the rehabilitation team are reviewed with emphasis on specific physical therapy procedures utilized with pulmonary disease. 2 credits. (S,Y)

671-60600 Orthotics and Prosthetics

Includes an in-depth review of the principles and practices of orthotics and prosthetics as applied by a physical therapist. This includes a survey of the basic biomechanical principles utilized in applying orthotic and prosthetic appliances as well as principles of

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through consideration of age-related changes, psychosocial characteristics, and the continuum of services available for this population. Adaptations of evaluation and treatment methods for older persons are also discussed. 1 credit. (S,Y)

671-62000 Professional Issues in Physical Therapy

Specific issues concerning the practice, education, specialization, and recruitment of physical therapists; how physical therapists relate to other health care professionals, from a local to a global perspective; various ethical and health care reform issues that specifically affect physical therapy. 1 credit. (F,Y)

671-62100 Clinical Education VI (NLA)

This is the final placement for students in a clinical environment. One 12-week session. Prerequisites: Satisfactory completion of all

prior coursework. Students must register for this course OR 671-61100 and 671-61200. Pass/Fail only. 6 credits. (Sum,Y)

671-63000, 670-63100 Thesis I, II

Independent research that is theoretically sound and relevant to furthering the knowledge base of physical therapy. The courses are geared to prepare students to perform independent research or to pursue a doctoral degree. The courses are conducted over the entire year of graduate study (670-63000 in the fall, 670-63100 in the spring) and culminate in a written thesis that must be approved by the department and the graduate office. Open only to students with a 3.300 undergraduate GPA or higher who successfully pass a faculty review. Elective.