Pre-Physical Therapy

Physical therapy is a health profession whose primary purpose is the promotion of optimal human health and function through the application of scientific principles to prevent, identify, assess, correct, or alleviate acute or prolonged movement dysfunction. Physical therapy encompasses areas of specialized competence and includes the development of new principles and applications to more effectively meet existing and emerging health needs. Other professional activities that serve the purpose of physical therapy are research, education, consultation, and administration.

The physical therapist, working in cooperation with other health professionals, serves the individual needs of the client and the health needs of society. The physical therapy profession depends heavily on knowledge and application of the basic medical and behavioral sciences, coupled with specialized knowledge and skills in the clinical arts and sciences.

Physical therapists may work as staff, supervisors, or self-employed practitioners who serve clients directly; as administrators of clinical departments, health agencies, or educational programs; as healthcare agency consultants; as clinical or academic teachers; or as researchers.

They may work in hospitals, clinics, rehabilitation centers, schools for children with disabilities, neighborhood health centers, physicians’ offices, nursing homes and convalescent centers, private and public health agencies, sports settings, and universities.

Pre-physical therapy students may choose any major but should work with pre-health and major advisors to plan a course of study that fulfills the pre-physical therapy studies requirements as well as the requirements for the major. Students are advised to declare an educational goal of pre-physical therapy upon entering UIC which will alert them to specific workshops and other pertinent information.

The pre-physical therapy requirements follow and should be completed as part of the undergraduate degree program. All prerequisite courses must be completed with a grade of C or better. Students must have completed a minimum of seven math/science prerequisite courses at the time of application and have a reasonable plan for the completion of remaining course prerequisites prior to matriculation in the DPT program.

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 110</td>
<td>Biology of Cells and Organisms</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 122</td>
<td>Matter and Energy</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>Foundations of Chemical Inquiry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>Chemical Dynamics</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 125</td>
<td>Foundations of Chemical Inquiry</td>
<td>5</td>
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<td>OR</td>
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</tr>
<tr>
<td>CHEM 116</td>
<td>Honors and Majors General and Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 118</td>
<td>Honors and Majors General and Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 180</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 170</td>
<td>Calculus for the Life Sciences</td>
<td></td>
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</tbody>
</table>

### Select Courses

- Select one of the following general chemistry sequences: 10
- CHEM 122 Matter and Energy
- CHEM 123 Foundations of Chemical Inquiry
- CHEM 124 Chemical Dynamics
- CHEM 125 Foundations of Chemical Inquiry

### Mathematics

- MATH 180 Calculus I
- or MATH 170 Calculus for the Life Sciences

### Physical Science

- PHYS 131 Introductory Physics for Life Sciences I
- or PHYS 132 Introductory Physics for Life Sciences II

### Additional Courses

- PSCH 100 Introduction to Psychology
- PSCH 242 Introduction to Research in Psychology
- PSCH 270 Introduction to Psychological and Behavioral Disorders
- or PSCH 320 Developmental Psychology
- KN 251 Human Physiological Anatomy I
- KN 252 Human Physiological Anatomy II

### Total Hours

46

[Notes]

- a Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the General Education section and their college/department sections of the catalog for more information on fulfilling these requirements.
- b These courses are approved for the Analyzing the Natural World General Education category.
- c Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements: CHEM 122/CHEM 123; CHEM 124/CHEM 125.
- d This course is approved for the Understanding the Individual and Society General Education category.
- e This course fulfills the applied statistics requirement for admission to the Doctor of Physical Therapy program at UIC.
- f KN 251/KN 252 sequence begins in the fall semester only.

In addition, applicants must complete a minimum of 40 hours of documented volunteer or observation experiences in a variety of physical therapy facilities. Current certification in CPR (cardiopulmonary resuscitation) with Health Provider Status is recommended prior to beginning the professional program. Students must also have earned a bachelor's degree prior to enrolling in the program.

The Graduate Record Examination (GRE) must be taken within five years of the date of application. Students must apply for admission to the program approximately one year before planned enrollment. A detailed breakdown of the evaluative criteria used by the Department of Physical Therapy Admissions Committee may be found online.

There are two parts to the application: the PTCAS application and the UIC application. Applicants to the DPT program must apply online using the Physical Therapist Centralized Application Service (PTCAS). Applicants can begin their PTCAS application in July. The PT program application deadline is October 1st. To learn more about the PTCAS application process, please visit the PTCAS website. The UIC application must be submitted electronically on or before October 1st. Both parts of the application are required for admission to the DPT program.