



Trinity
College
Dublin

The University of Dublin



SINGAPORE
INSTITUTE OF
TECHNOLOGY



HONOURS DEGREE IN BACHELOR OF SCIENCE IN

PHYSIOTHERAPY

ABOUT TRINITY COLLEGE DUBLIN

Trinity College Dublin (TCD), the University of Dublin, boasts a history that dates back to 1592. As Ireland's university on the world stage, it is recognised for academic excellence and a transformative student experience. With a history of scholarship spanning more than four centuries, Trinity is home to talented and inquiring minds and research conducted at the frontiers of disciplines.

PROGRAMME INFORMATION

Physiotherapy involves the assessment, treatment, rehabilitation and prevention of pain, injury, or any other physical dysfunction, through the use of education, exercise, manual therapy, electro-physical agents, technology or any other treatment for those purposes*.

The Honours Degree in Bachelor of Science in Physiotherapy is a four-year programme jointly developed by SIT and TCD. The programme aims to groom professional physiotherapists who are theoretically-grounded and clinically-oriented to practise autonomously in different specialities of physiotherapy. Students in the programme will have opportunities to gain clinical experience while working in the various major hospitals and healthcare facilities in Singapore. In addition, the curriculum in this four-year degree programme is developed in consultation with clinical partners to ensure relevance of the skill sets and employability of the students upon graduation.

CURRICULUM STRUCTURE

For students to be awarded the Honours Degree in Bachelor of Science in Physiotherapy, they need to successfully complete seven trimesters of study, 30 weeks of clinical placement [Integrated Work Study Programme (IWSP)] and an individual honours thesis.

TRIMESTER 1

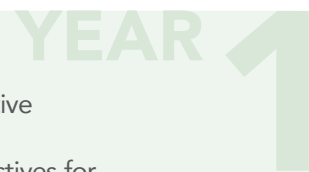
1. Anatomy and Physiology 1
2. Health Systems – Singapore's Perspective
3. Physics in Biology and Medicine
4. Psychological and Sociological Perspectives for Health Sciences

TRIMESTER 2

1. Anatomy and Physiology 2
2. Electrophysical Agent
3. Kinesiology and Functional Anatomy (Upper Quadrant)
4. Musculoskeletal Physiotherapy (Upper Quadrant)

TRIMESTER 3

1. Kinesiology and Functional Anatomy (Lower Quadrant)
 2. Musculoskeletal Physiotherapy (Lower Quadrant)
- Break



YEAR 2

TRIMESTER 1

1. Cardiopulmonary Physiotherapy
2. Exercise Physiology
3. Health Promotion and Population Health
4. Musculoskeletal Physiotherapy (Spine)
5. Neurobiology
6. Research – Methods and Statistics

TRIMESTER 2

1. Cardiopulmonary Rehabilitation
2. Chronic Disease and Rehabilitation
3. Enhancing Human Performance by Exercise
4. Foundation of Neurological Physiotherapy
5. Pathophysiology and Pharmacology

TRIMESTER 3

Break

YEAR 3

TRIMESTER 1

1. Advanced Topics in Neurological Physiotherapy
2. Clinical Exercise Prescription
3. Physiotherapy Across Lifespan (Child and Maternal Health)
4. Scientific Writing and Investigation
5. System Support

TRIMESTER 2

1. Clinical Practice Education Year Three[^]
2. Creative Thinking and Innovation in Healthcare
3. Honours Thesis
4. Physiotherapy Across Lifespan (Older Adults)
5. Professionalism, Ethics and Legal Aspects of Healthcare

TRIMESTER 3

1. Clinical Practice Education Year Three[^]
2. Honours Thesis

YEAR 4

TRIMESTER 1

1. Clinical Practice Education Year Four[^]
2. Honours Thesis

TRIMESTER 2

1. Change Management
2. Health Systems – Global Perspective
3. Honours Thesis
4. Professional and Interprofessional Education

[^]Denotes Integrated Work Study Programme (IWSP)

PROGRAMME HIGHLIGHTS

The programme adopts different pedagogical approaches to teaching and learning such as team-based learning, flipped classroom, standardised patients and simulation-based education.

The modules in the programme are co-created with clinical partners and industry advisors to ensure that the programme is clinically relevant and evidence-based. Besides theoretical knowledge and clinical skills, students will learn methods of design thinking, healthcare innovation and change management to ensure that they are future-ready for the healthcare sector.

SIT's unique and integrated Health and Social Sciences Cluster creates an interprofessional learning environment where there are opportunities to learn and work with students from different health professions.

CLINICAL PRACTICE EDUCATION [INTEGRATED WORK STUDY PROGRAMME (IWSP)]

The students will embark on their clinical practice education in the middle of the second trimester in Year Three. The clinical practice education consists of 30 weeks of clinical placement in various specialities of physiotherapy in different healthcare settings.

- 1) Musculoskeletal physiotherapy practice (compulsory)
- 2) Cardiopulmonary physiotherapy practice (compulsory)
- 3) Neurological physiotherapy practice (compulsory)
- 4) Intermediate and Long Term Care (ILTC) and primary care settings (compulsory)
- 5) Elective placement (e.g. sports rehabilitation, paediatrics, women's health)

ADMISSION REQUIREMENTS

SIT selects candidates for this programme using a holistic approach that considers passion and suitability for the profession, academic achievement, co-curricular involvement and medical clearance. Short-listed candidates will be invited for Multiple Mini Interviews, consisting of different stations, which assess different important attributes such as communication skills.

Listed below are the relevant admission criteria:

A-Level Prerequisites:

- A good pass in two of the following H2 subjects: Biology, Chemistry, Physics and Mathematics.

Diploma Prerequisites:

- An approved full-time diploma from a polytechnic in Singapore. Module exemption will be considered on a case-by-case basis.

International Baccalaureate Prerequisites:

- A good pass in two of the following: HL Biology, HL Chemistry, HL Physics and HL Mathematics.

NUS High School Diploma Prerequisites:

- A good pass in two of the following: Biology, Chemistry, Physics and Mathematics.

CAREER OPPORTUNITIES

Physiotherapy is a profession that is highly sought-after in Singapore. Besides hospitals, physiotherapists can also work in community hospitals, nursing homes, senior care centres, home and domiciliary care services, special schools, sports institutes (sports teams), gymnasiums, private practices and government agencies.

INDUSTRY ADVISORY COMMITTEE

The Industry Advisory Committee members for this programme are:

Ms Susan NIAM (Chairperson)

Chairperson, Allied Health and Pharmacy
Tan Tock Seng Hospital

Ms CHEE Thong Gan

Assistant Chief Operating Officer
Jurong Health

Mr Anjan Kumar GHOSH

Director, Service Planning and Development Group
National Council of Social Services

Dr Tyrone GOH

Executive Director
National Healthcare Group Diagnostics

Mr Abhimanyau PAL

Executive Director
SPD

Assoc Prof LIM Swee Hia

Senior Director
Alice Lee Institute of Advanced Nursing
SingHealth

Prof Celia TAN

Group Director, Group Allied Health
SingHealth

Dr Pauline TAN

Chief Executive Officer
Yishun Community Hospital

Ms TAN Soh Chin

Chief Nursing Officer
Ministry of Health

Dr Sherry YOUNG

Head and Senior Consultant
Rehabilitation Medicine
Changi General Hospital

For the most up-to-date information, please visit [SingaporeTech.edu.sg](https://www.singaporetech.edu.sg).

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All information is accurate at time of print.
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