

# MSC (CLINICAL MEASUREMENT PHYSIOLOGY)

## Overview

### NFQ Level 9, Major Award

The MSc (Clinical Measurement Physiology) is a full-time programme, which runs over two years. Year 1 will run over a calendar year (semesters 1, 2 and 3); Year 2 will run over an academic year (semesters 1 and 2).

Students will take modules to the value of **70** credits in Year 1 and **50** credits in Year 2, totalling **120** credits. Upon satisfactory completion of all modules in the first year to the value of 70 credits, students may proceed to the second year of the programme. On successful completion of all modules in the second year, to the total value of 120 credits, students may graduate with an MSc (Clinical Physiology).

**Note:** Where supplemental knowledge of physiology is deemed a pre-requisite by the programme board, students must complete a pre-requisite module (PL6019). This will be completed prior to the programme starting in week 6.

## Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

## Programme Requirements

Code	Title	Credits
<b>Year 1</b>		
Students take <b>70</b> credits as follows:		
<i>Core Modules</i>		
PL6004	Principles of Professional Practice in Clinical Physiology	5
PL6005	Clinical Measurement Instrumentation	10
PL6006	Core Placement Skills for Clinical Physiologists	5
PL6007	Biological Systems for Clinical Physiologists - Cardiology	5
PL6008	Biological Systems for Clinical Physiologists – Respiratory function	5
PL6009	Biological Systems for Clinical Physiologists - Neurology	5
PL6010	Biological systems for Clinical Physiologists – Gastroenterology	5
PL6011	Biological Systems for Clinical Physiologists – Neonatology	5
PL6012	Effective Communication for Clinical Physiologists	5
PL6013	Professional Practice in Clinical Physiology I	10
PL6014	Professional Practice in Clinical Physiology II	10
<b>Year 2</b> <sup>1</sup>		
Students take <b>50</b> credits as follows:		
<i>Core Modules</i>		
PL6015	Professional Practice in Clinical Physiology – Specialist Placement I	15
PL6017	Research Project in Clinical Physiology I	5
PL6018	Research Project in Clinical Physiology II	15

PL6016	Professional Practice in Clinical Physiology – Specialist Placement II	15
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> Students may choose which clinical area they wish to specialise in after year 1. One or both placements in Year 2 may be in this chosen area. All attempts will be made to secure placements as dictated by student preference. However, this will be dependent upon availability. If some placements are over-subscribed, student performance in Year 1 will decide which students get their preferred placement option.

## Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

## Programme Learning Outcomes

### Programme Learning Outcomes for MSc (Clinical Physiology) (NFQ Level 9, Major Award)

On successful completion of this programme, students should be able to:

- Demonstrate the professional attributes, leadership and clinical skills required to meet the challenges of providing an integrated and scientific approach to physiological diagnostics.
- Apply knowledge of the cardiovascular, nervous, gastrointestinal and respiratory systems in adults and children to assist in the diagnosis of functional disorders in these systems.
- Perform functional diagnostic tests on patients, report the outcomes appropriately and be an active participant in the interdisciplinary treatment team.
- Demonstrate ongoing commitment to the professional and caring values that underpin a safe and high-quality service in clinical measurement physiology.
- Critically evaluate clinical and academic evidence and be agents for the development of clinical measurement physiology within the evolving healthcare environment.
- Practice ethical behaviours, which reflects values of respect, privacy and dignity for patients; respects client confidentiality and includes performance of the legal and moral duties of accurately recording, organising and storing client information.
- Critically evaluate original research sources and their contribution to the evidence base of practicing clinical measurement physiology.