

MSC IN CLINICAL PHARMACY (1 YEAR PATHWAY)

Programme Learning Outcomes

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

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

- Discuss and explain the epidemiology, aetiology, pathophysiology, signs, symptoms, and tests leading to the diagnosis of common disorders/diseases of the various physiological systems;
- Choose the most appropriate and effective therapy for selected diseases of the various physiological systems using a personalised approach to pharmaceutical care;
- Monitor and counsel the patient on the use of the recommended therapies and health promotion;
- Formulate pharmaceutical care plans and counsel patients including patients with co-morbid disease;
- Apply the principles of health economics, economic modelling, Quality Adjusted Life Year (QALY's) sensitivity analysis for use in the health care system;
- Apply the principles of clinical pharmacokinetics, therapeutic drug monitoring and pharmacogenetics to medicines management to individualise patient care;
- Outline the role of the pharmacist in risk management processes, including the promotion of medication safety, the rational use of medicines and in pharmacovigilance;
- Demonstrate knowledge of trial designs and the statistical methods involved in evaluating study findings and critically appraise these in research papers;
- Review, analyse and synthesise the literature, design a research protocol, collect and interpret data and write a research report.
- Effectively communicate and justify decisions.