

MSC (CLINICAL PHARMACY)

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.