

MSC IN PHARMACEUTICAL REGULATORY SCIENCES

Programme Learning Outcomes

Programme Learning Outcomes for MSc in Pharmaceutical Regulatory Sciences (NFQ Level 9, Major Award)

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

- Assess pharmaceutically relevant datasets using appropriate statistical and machine learning methodologies.
- Develop manufacturing processes which apply quality-by-design principles for a range of medicinal products including small molecules, biopharmaceuticals and ATMPs.
- Critically evaluate the regulation of medicinal products and identify opportunities to accelerate the integration of emerging science and technology in medicines' development.
- Appraise the quality, safety and efficacy of a medicine based on the clinical trial outcomes and real-world data.
- Integrate interdisciplinary knowledge to execute a project relating to the science of developing new tools, standards, and approaches to assess the safety, efficacy, quality, and performance of a drug product.