

MRES (MASTER OF RESEARCH) IN BIOTECHNOLOGICAL ENGINEERING (NOT ON OFFER 23/24)

Programme Learning Outcomes

Programme Learning Outcomes for MRes (Master of Research) in Biotechnological Engineering (NFQ Level 9, Major Award)

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

- Carry out an independent and original research project to address a relevant question in Biotechnological Engineering.
- Prepare and write a dissertation of a research project in a critical, logical and systematic manner, in keeping with the standards of postgraduate research.
- Display advanced theoretical knowledge and practical understanding within the area of Biotechnological Engineering.
- Understand the basis, application and limitations of laboratory methods used in Biotechnological Engineering.
- Source, review, critically assess and evaluate relevant primary literature and summarise material for presentation to peers and for inclusion within the research dissertation.
- Design, write and defend a scientific research proposal based on their current research or another proposed topic.
- Evaluate their own skill set and identify skills that should be acquired.
- Demonstrate professional practice skills including team-work, negotiation, time-management, scientific writing and oral communication.