

# MRES (MASTER OF RESEARCH) IN BIOCHEMISTRY AND BIOSCIENCES

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## Programme Learning Outcomes

**Programme Learning Outcomes for MRes (Master of Research) in Biochemistry and Biosciences (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 an emerging question in Biochemistry and Biosciences;
- Prepare and write a dissertation of their 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 a research area of Biochemistry and Biosciences;
- Understand the basis and application of laboratory methods used in including state-of-the-art techniques and a knowledge of their limitations;
- Avail of relevant workshops or modules to increase scientific technical skills (e. g. biostatistics);
- Source, review, critically assess and evaluate relevant primary literature and summarize 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 topic or a proposed topic;
- Evaluate their skill set and identify skills that should be acquired;
- Develop professional practice skills including team-work, negotiation, time-management, scientific writing and oral communication.