

POSTGRADUATE DIPLOMA IN BIOTECHNOLOGY

Programme Learning Outcomes

Programme Learning Outcomes for Postgraduate Diploma in Biotechnology (NFQ Level 9, Major Award)

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

- Discuss the theory and practice of biomanufacturing;
- Review Molecular Biotechnology, Bioanalytical Processes, Eukaryotic-, Prokaryotic- and Plant-Biotechnologies, recombinant DNA technologies and their application in the Biotechnology and Biopharmaceutical Industries;
- Apply fundamentals in Process and Biochemical Engineering to the Biotechnology sector;
- Outline the role of Process Validation and Quality Assurance in the biopharmaceutical industry;
- Discuss the latest trends in good manufacturing, laboratory and validation practices;
- Demonstrate a working knowledge and application of leadership, teamwork, communication and operational skills underpinning the practice of biotechnology.