PDIP IN ENGINEERING IN PHARMACEUTICAL AND BIOPHARMACEUTICAL SYSTEMS

Overview

Status: Active
National Framework Of Qualifications (NFQ) Level: 9
NFQ Award Class: Major Award
Total Credits: 60
Connected Curriculum:

- Employability
- Sustainability

Sustainable Development Goals (SDGs):

- Decent Work and Economic Growth
- Responsible Consumption and Production

Graduate Attributes:

- Creator, evaluator and communicator of knowledge

Exit Award only.

Students on the MEngSc in Engineering in Pharmaceutical and Biopharmaceutical Systems (https://ucc-ie-public.courseleaf.com/programmes/me-tbc/) who achieve 40% in each individual taught module but fail to achieve the requisite grade of 50% across the taught modules, may opt to exit the programme and graduate with this Postgraduate Diploma in Engineering in Pharmaceutical and Biopharmaceutical Systems.

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p.).

Programme Requirements

Code	Title	Credits
#ME-TBC:Taught Modules		

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

Programme Learning Outcomes

Programme Learning Outcomes for Postgraduate Diploma Pharmaceutical and Biopharmaceutical Systems (NFQ Level 9, Major Award)

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

- Apply an enhanced knowledge and understanding of the mathematics, sciences, engineering sciences and technologies to pharmaceutical and biopharmaceutical engineering;
- Identify, formulate, analyse and solve problems related to pharmaceutical and biopharmaceutical engineering;
- Design pharmaceutical and biopharmaceutical manufacturing facilities and processes, including unfamiliar, ill-defined scenarios, underpinned by a sustainability informed paradigm, taking account of environmental, health and safety and risk factors, and know how to apply relevant codes of practice, industry standards and emerging practices and technologies;
- Gather experimental data, apply a range of standard and specialized research tools and techniques and conduct critical evaluation of results;
- Effectively design experiments and gather experimental data, apply a range of standard and specialized research tools and techniques and conduct critical evaluation of results;
- Work effectively as an individual and in teams in planning and carrying through on assignments and projects in a lifelong learning context;
- Communicate effectively with the engineering community and with society at large.