

# POSTGRADUATE DIPLOMA IN BIOANALYTICAL CHEMISTRY

## Overview

### NFQ Level 9, Major Award

The Postgraduate Diploma in Bioanalytical Chemistry is a 12 month full-time programme beginning in December.

## Postgraduate Certificate in Bioanalytical Chemistry (NFQ Level 9, Minor Award)

Upon successful completion and passing of modules to the value of 30 credits, students may opt to exit the programme and be conferred with a Postgraduate Certificate in Bioanalytical Chemistry. (<https://ucc-ie-public.courseleaf.com/programmes/pbcm/>)

## Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

## Programme Requirements

Code	Title	Credits
<b>Part 1</b>		
Students take 30 credits as follows:		
<i>Core Modules</i>		
CM6009	Advanced Bioanalytical Chemistry	5
CM6024	Industry Led Workshops/Seminars in Bioanalytical Chemistry	5
CM6025	Instrumental Techniques for Bioanalytical Chemistry	5
CM6028	Introduction to Bioanalytical Chemistry	5
CM6029	Introduction to Quality and Regulatory Affairs for BioPharma	5
CM6031	Process Analytical Technology in BioPharma	5
<b>Part 2</b>		
Students take 30 credits as follows:		
<i>Core Modules</i>		
CM6008	Virtual Bioanalytical Chemistry Laboratories	5
CM6023	Bioanalytical Project	10
CM6030	Practice of Bioanalytical Chemistry	10
CM6032	Troubleshooting Bioanalytical Chemistry Case Studies	5
<b>Total Credits</b>		<b>60</b>

## 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 in Bioanalytical Chemistry (NFQ Level 9, Major Award)

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

- Identify, formulate, analyse and solve problems in the analysis of biological compounds
- Outline fundamental and applied aspects of bioanalytical chemistry
- Design and carry out a method of biopharmaceutical analysis, including instrumental analysis
- Communicate effectively with the biopharmaceutical community on bioanalytical chemistry
- Troubleshoot and problem solve challenges in the field of bioanalytical chemistry
- Undertake a research project, prepare a written research report and disseminate the results by way of presentation.