

POSTGRADUATE DIPLOMA IN ANALYTICAL CHEMISTRY

Overview

NFQ Level 9, Major Award

The Postgraduate Diploma in Analytical Chemistry may be taken full-time over 9 months or part-time over 18 months from the date of first registration for the programme. Part-time students must have sufficient day-release, including spending a designated full day in the University.

Programme Requirements

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

Programme Requirements

Code	Title	Credits
Students take 60 credits as follows:		
<i>Core Modules</i>		
CM6012	Modern Analytical Techniques, Chemical Data Analysis and GLP	10
CM6013	Separation Science, Sensors and Process Analytical Technology	10
CM6014	Materials, Pharmaceutical and Bio-analysis	10
CM6015	Practice of Analytical Chemistry	10
CM6019	Research Project in Analytical Science	10
PF6301	Biopharmaceuticals: Formulation, Secondary Processing and Regulation	10
or EV4002	Environmental Monitoring and Assessment	
Total Credits		60

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 Analytical 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 pharmaceutical compounds;
- Outline fundamental and applied aspects of pharmaceutical analysis;
- Design and carry out a method of pharmaceutical analysis, including instrumental analysis;
- Prepare written laboratory reports that provide a description of the experiment, explain the experiment and reasoning clearly, and provide an appropriate conclusion;
- Communicate effectively with the chemistry and pharmaceutical communities;
- Carry out research and method development in pharmaceutical analysis;
- Prepare a written research report in the form of a dissertation.