



Waterford Institute of Technology

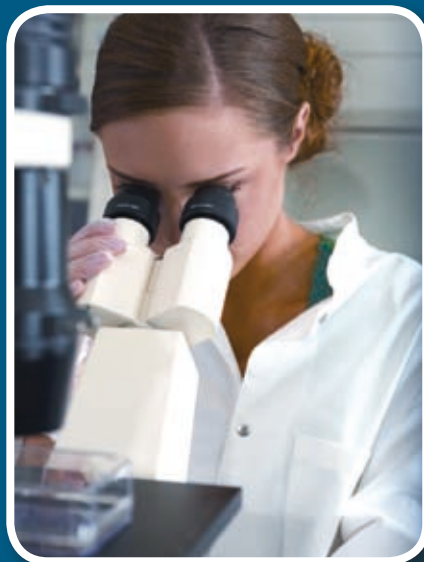
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

POSTGRADUATE

Postgraduate Diploma/Masters (MSc) in Analytical Science with Quality Management

Department of Chemical & Life Sciences

LEVEL
9



This two-year part-time Postgraduate Diploma/Masters programme aims to produce graduates with strong skills and expert knowledge in advanced analytical science and quality management. It places a strong emphasis on the professional development of the graduate and is aimed at those already working in an industrial environment.

Postgraduate Diploma/Masters (MSc) in Analytical Science with Quality Management

PROGRAMME AIMS

- To graduate individuals who have advanced knowledge of the disciplines of analytical science and quality management.
- To graduate students who can lead their company's quality programmes.
- To enable graduates to assess the potential of and implement new analytical technologies within an industrial environment.
- To graduate students with advanced research skills.

AWARDS

- To achieve the Postgraduate Diploma award students must complete 12 modules from the programme structure shown.
- To achieve the MSc students must additionally complete a Research Dissertation.

FEES

For information on fees please visit our web page at www.wit.ie/pg



TEACHING & LEARNING

The programme is delivered through a blend of lectures, laboratory-based work, projects, demonstrations and e-learning. Students will typically be required to attend WIT for three separate blocked two-day sessions per semester. The teaching of some modules will be supplemented by problem-based material that will enable a more flexible and bespoke teaching and learning experience. The MSc Research Dissertation module will primarily be conducted in the workplace.

PROGRAMME STRUCTURE

Year 1 Modules	Year 2 Modules
Total Quality Management	Validation
Statistics for Quality	Advanced Quality Methodologies
Separation Techniques	Any 2 of: Design of Experiments Process Analytical Technology Risk Management
Spectroscopic Techniques	Biopharmaceutical Analysis Chemical Sensors & Biosensors
Advanced Laboratory Techniques	Any 2 of: International Regulatory Affairs Materials Characterisation Advanced Pharmaceutical Analysis
Research Methodology	Analytical Microbiology Food Industry Safety Management
Research Dissertation (MSc only)	

ENTRY DETAILS

Applicants for entry to this Postgraduate Diploma/MSc course should:

- Hold a bachelors degree at honours level (Level 8) in an appropriate subject area or equivalent qualification.
- A minimum of two years of appropriate industrial experience.

Admission Queries Contact:

Postgraduate Admissions
Registrar's Office
Waterford Institute of Technology
Waterford
Ireland
Tel: +353-(0)51-302670
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Academic Queries Contact:

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