POSTGRADUATE DIPLOMA (APPLIED ENVIRONMENTAL GEOSCIENCE)

Overview

NFQ Level 9, Major Award

Exit Award only

Students on the MSc (Applied Environmental Geoscience) (https://ucc-ie-public.courseleaf.com/programmes/mscags/) programme who achieve 40% in each individual taught module in Part I but fail to achieve the requisite grade of 50% across the taught modules, or students who pass Part I and do not wish to complete the Research Dissertation GL6019 (Part II) may opt to be conferred with a Postgraduate Diploma in Applied Environmental Geoscience.

Programme Requirements

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

Programme Requirements

Code	Title	Credits
Taught Modules		
Students take **60** credits as follows:		
Core Modules		
EV6011	Principles of Environmental Assessment and Monitoring	10
GL6020	Hydrogeology, Contaminated Land and Assessment	10
GL6021	Engineering Geology	10
GL6022	Environment and Planning: Policy & Regulation	5
GL6023	Offshore Environmental Geology	5
GL6024	Applied Geophysics	5
GL6025	Geoinformatics for Environmental Geology	5
GL6028	Applied Hydrogeology Skills	5
GL6029	Applied Geotechnical Skills	5
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 Applied Environmental Geoscience (NFQ Level 9, Major Award)

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

- Use geoinfomatics to process Environmental Geology data;
- Successfully apply geophysical tools to site investigations;
- Apply the principles of soil and rock mechanics to Environmental Geology and engineering scenarios;
- Describe the principles of groundwater flow and discharge;
- Carry out an analysis on the sustainability of groundwater for a given regional aquifer;
- Critique and evaluate the status of environmental and planning law in the context of geoscience;
- Undertake field analysis of soils, sediments and rocks to industry standard;
- Describe the methods used in sampling and mapping the seabed;
- Apply a suite of acquired transferable skills (e.g. in communication, data analysis) in a professional working environment.