



GradDip Environmental Sustainability Implementation

1 Year Full Time (September start)



Introduction

Sustainability is on the agenda for many sectors. All sectors are responding to sustainability goals, with many organisations setting targets to be achieved by 2030 for compliance, consumer or market retention purposes. Consultation with a range of industry stakeholders has identified that there is a deficit of expertise in the market to address the implementation of sustainability agendas, however the scale and speed of the change required is urgent. Drivers of this demand are the National Sectoral Emissions Ceilings, the Climate

Action and Low Carbon Development (2021) Act, Future Jobs initiative 'Transition to low carbon economy', Ireland's National Plan on Corporate Social Responsibility, and the Greenhouse Gas Protocol (Scope 1, 2 and 3 emissions reporting). This full-time Level 9 Graduate Diploma equips students with the core skills to quantify the sustainability of a product, process or system, identify areas for improvement and devise and manage measures for implementation to improve sustainability.

Pathway

This 60 ECTS Graduate Diploma is a Pathway programme that can build to a Masters degree award. Students who complete the Graduate Diploma have the option of completing a 30 ECTS project which builds to a Masters degree award. The fee for the additional 30 ECTS project is 3000 euro.

Course Content and Structure

This Graduate Diploma comprises 60 credits of modules (10 modules). These modules are offered across the Spring and Autumn Trimesters.

All lectures and tutorials occur during weekdays. Although it will be possible for students to complete the programme almost entirely online as the majority of lectures will be recorded.

However one module will require attendance on campus for four 2-hour sessions in Trimester 2 (Spring 2024). There will also be a need to attend campus for a number of scheduled workshops (maximum 2 per trimester).

Modules offered

- Life Cycle Assessment
- Green Technologies Project
- Renewable Energy Systems Analysis
- Biorefinery Process & Tech
- Bioeconomy Policy & Social
- Energy System & Sustainable Environments
- Carbon & Sustainability
- GHG Accounting
- Carbon Footprinting
- Project Management

Why study at UCD?



Graduate education

12,800 graduate students; 17% graduate research students; structured PhDs



Global community

9,500 international students and a 300,000 alumni network across 165 countries



Global Profile

UCD is ranked in the top 1% of higher education institutions worldwide



Global careers

Dedicated careers support; 2-year stayback visa to work in Ireland





UCD.TG.T390.2023.A

Career Opportunities

There is very significant industry demand for engineers and scientists with knowledge on methods to quantify sustainability for internal benchmarking, process improvement, and reporting purposes. In January 2023 there were >2000 sustainability-related jobs advertised in Ireland (based on data from LinkedIn). Upon completion of this Graduate Diploma, graduates will have the skills needed to lead the sustainability agenda for a company either individually or as part of a team.

Industry Partner

Seán Douglas

*Business Development Manager
BiOrbic, Bioeconomy SFI
Research Centre*



"Sustainability has become a significant issue for companies across various industries. It is now a necessity for businesses to integrate sustainable practices into their operations, including for reputational, mandatory reporting, and risk-management reasons. The Graduate Diploma in Environmental Sustainability Implementation recognises this increased need by companies to measure and improve their sustainability profile and provides graduates with the technical expertise to implement a company's sustainability goals. Through this program, companies can also access a talent pool of sustainability professionals who are poised to lead the way in creating a more sustainable and prosperous future for businesses and society as a whole."

Entry Requirements

- Recent graduates, jobseekers or those in full time employment, with a Level 8 Honours degree with minimum 2:1 award (NFQ level 8) or international equivalence in disciplines such as engineering, physical science, geography and planning, architecture and environmental related degrees.
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.

Tuition Fees

Tuition fee information is available on www.ucd.ie/fees. This programme is also eligible for springboard funding, if you believe you are eligible please apply first on www.springboardcourses.ie

Related Programmes of Interest

- GradDip Carbon Accounting & Life Cycle Assessment PT
- HDip Spectroscopic Technologies and Data Analysis for Advanced Manufacturing

CONTACT US

Katie O'Neill, Marketing Manger - **E:** katie.oneill@ucd.ie **T:** +353 1 7161781 **W:** www.ucd.ie/eacollege
Dr Fionnuala Murphy, Programme Director - **E:** fionnuala.murphy@ucd.ie **T:** +353 1 716 7317

APPLY NOW

This programme receives significant interest so please apply early online at www.ucd.ie/apply