

# Graduate Diploma in Carbon Accounting & Life Cycle Assessment

One Year Part Time (September start)



## Introduction

Climate change, environment, and Corporate Social Responsibility are creating an ever increasing demand for employees with skills in carbon footprinting, GHG accounting, and Life Cycle Assessment. Drivers of this demand are the Greenhouse Gas Protocol (particularly understanding and managing scope 3 emissions), the Climate Action and Low Carbon Development (2021) Act,

Future Jobs initiative 'transition to low carbon economy' and Ireland's National Plan on Corporate Social Responsibility. This programme provides the competency, knowledge and skills required to work with ISO standard methods for carbon footprinting, GHG inventory and life cycle assessment in a commercial environment.

## Course Delivery

All lectures, tutorials and practicals can be completed online, with the option of attending some on campus if desired. Practical are offered in the late afternoon to facilitate online attendance. Most learning activities can be completed at a different time if necessary.

## Course Content and Structure

- 60 credits total
- 15 credits  
Autumn Trimester
- 15 credits  
Spring Trimester
- 30 credits  
Industry Project
- Theory based on relevant ISO standards for industry applicability
- Learn to define a project, collect data, appropriate calculations, analysis, reporting and communication using real-world examples.
- Problem-based learning and mini-projects will be used to ensure applicability and success.

### Modules offered

- Life Cycle Assessment
- LCA Applications
- Carbon & Sustainability
- Industry Project
- GHG Accounting
- Carbon Footprinting

## 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





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## Career Opportunities

Graduates of the Graduate Diploma in Carbon Accounting & Life Cycle Assessment can find employment as:

- Sustainability team member or leader
- Corporate Social Responsibility
- Energy management
- Consulting
- Sourcing and Procurement

Students also have the opportunity to become job ready by putting theory into practice by finishing with a commercial standard project for a product or organisation in the market. Example employers looking for the skills provided include, Veolia, Arup, Codema and RPS.

## Programme Director

Prof Nick Holden



I have seen increasing interest in what we are doing the last few years as companies and their employees have to learn about and implement management of GHG emissions (particularly scope 3). While theoretical knowledge of GHG and other emissions is important, there is a clear demand in Ireland for people with the skills necessary to complete Carbon Footprint, GHG Inventory and Life Cycle Assessment of product and organisations. This skill is transferable across sectors and can be aligned with the different parts of a business, be that process and production, management, health and safety, sustainability or even marketing. This graduate diploma will be ideal for professional development or for reskilling by those looking for a new career opportunity.

## Entry Requirements

- Level 8 honours degree in a relevant subject

or

- More than 5 years relevant professional experience

### Tuition Fees

Tuition fee information is available on [www.ucd.ie/fees](http://www.ucd.ie/fees).

### Related Masters Programmes of Interest

- ME Management (Food Engineering)
- GradDip Bioeconomy with Business

### CONTACT US

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### APPLY NOW

This programme receives significant interest so please apply early online at [www.ucd.ie/apply](http://www.ucd.ie/apply)