

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 Highlight

All lectures, tutorials and practicals can be completed online, with the option of attending some on campus if desired. Practical activities 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 miniprojects 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

Over 11,000 international students from more than 152 countries



Global profile

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



Global careers

Degree with high employability and dedicated careers support





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.

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.

Related Master's Programmes of Interest

- MEngSc Food Engineering
- Grad Dip Environmental Sustainability Implementation

Graduate Profile

Ita White
Senior Research Officer,
Teagasc Food Research Centre



I chose the Grad Dip in carbon accounting and life-cycle assessment as I wanted to upskill on my return to work following a career break. The programme covers a number of methods to assess climate impact and I enjoyed the variety of teaching and learning approaches employed. One of the strengths of the programme is the ability to select projects and assignments for your particular area of interest. The diverse backgrounds and support from my fellow students also added positively to the experience. I found the programme both challenging and stimulating and it has given me the skills, knowledge and confidence to incorporate aspects of sustainability into my day-to-day work. One other highlight for me was the support provided by the course tutors and college as a whole. As a mature student returning to education I received fantastic support.

CONTACT US

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APPLY NOW

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