



University College Dublin  
Ireland's Global University

## MSc/Grad Cert/Grad Dip Environmental Sustainability (Negotiated Learning) (Online)

Dwindling natural resources and environmental quality issues are challenging businesses to work within a sustainability framework, while at the same time maximising employment provision and profitability. Consequently, there are a growing number of green technology and related enterprises that require a skilled and knowledgeable workforce. Equally, those within the regulation or policy environment must have the knowledge base to address the complexities of the 'sustainability' challenge.

The Environmental Sustainability course is taken online in your own time and at your own pace. You can choose to study for a 30-credit Graduate

Certificate, a 60-credit Graduate Diploma or a 90-credit MSc degree. The course focuses on delivery of the knowledge and skills required to address sustainability challenges across a broad spectrum of activities such as agriculture, industry, green technology, resource management, environmental regulation and policy. You will be challenged to apply your scientific and technical knowledge to develop solutions to local and global problems and needs. Through discussion and research work you will learn to handle complex issues, analyse, interpret and apply scientific data and information, use your judgement and also communicate your findings and ideas.

### Key Fact

This course allows the flexibility to tailor your module selection to meet your training needs or career goals. All students undergo a Training Needs Assessment with the assistance of UCD academic staff before commencing their studies, to provide the most suitable, customised course content for each applicant.



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## Why study at UCD?



### Tradition

Established 1854, with 160 years of teaching & research excellence



### Global profile

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



### Global community

Over 6,000 international students from over 120 countries study at UCD



### Global careers

Degrees with high employability; dedicated careers support; 1 year stay-back visa



### Safety

Modern parkland campus with 24 hour security, minutes from Dublin city centre

## Course Content and Structure

The MSc, Diploma and Certificate will provide you with the theoretical background, practical training and ancillary workplace skills needed for a successful career in your chosen field. The course will develop your capacity for self-directed learning, within a supportive framework facilitated by online fora, discussion boards and virtual tutorial/classroom sessions. For the MSc degree you will be required to undertake a research or desk-based project. You can take any combination of the following modules, depending on your specific interests and career needs. Modules available include:

- Sustainable Energy & Environment
- Green Technology Project
- Energy Systems & Climate Change
- Technical Communications
- People Information & Communication
- Managing the Interface between Science & Policy
- Water Quality Assessment, Protection & Management
- Water Resources Engineering 1 and 2
- Air Pollution
- Environmental Geoscience
- Soil Resources
- Peatlands & Global Change
- Ecology & its Application
- Genetics for Environmental Scientists
- Applied Ecotoxicology
- Impact Assessment Procedures
- Environmental Legislation & Regulation
- Management of Sustainable Fisheries
- Wildlife Management/Conservation
- Bioinvasions: Impact to Management
- Management Plan
- Natural Heritage Conservation
- Cultural Heritage Conservation
- World Heritage Legislation
- Data Analysis & Interpretation
- Design of Experiments
- GIS for Environmental Investigations
- Practicum (Research; lab/field)
- Practicum (Desk Study)
- Career Zone – non-credit bearing, free additional module offering

Modules and topics shown are subject to change and are not guaranteed by UCD.

## Career Opportunities

Successful completion of this course will provide you with the professional competitive advantage to choose from careers in the application of green energy technology, environmental engineering, environmental monitoring and protection, resource and waste management, consultancy, research, heritage, conservation and education either within regulatory bodies or in a wide range of industries, both multinational organisations as well as small- and medium-sized enterprises. The course also opens up opportunities to pursue further studies including up to PhD level.



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## Fees

Tuition fees are charged on a 'pay as you go' basis each semester for just those modules taken. Information is available on [www.ucd.ie/fees](http://www.ucd.ie/fees). The same fees apply to non-EU students.

## Facilities, Resources and Support

Throughout your term of study here in UCD you will have access to our online electronic library resources, including a wide range of scientific journals and e-books. IT and Blackboard support will be available to assist with any issues you encounter. Students may also visit the library to use its resources and have the same right of access to campus facilities as our on-campus students. This course relies on the significant teaching and research strengths across eight different Schools in UCD. This allows us to offer a multidisciplinary degree incorporating a wide range of topics, e.g. renewable energy resources, sustainable energy systems, environmental engineering and resource management, water quality assessment and conservation science.

## Apply Now

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

## Entry Requirements

- This programme is intended for applicants with a primary degree in science, engineering, or a related discipline. A lower second class honours degree or international equivalent is required.
- Applicants with substantial relevant work experience will also be considered.
- 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.

## Graduate Profiles

### Zsuzsanna Lukacs

I have an environmental engineering degree and this was a good option as I'm also working full time and the online course works very well for me. The classes are well prepared and easy to understand even for someone whose first language is not English.

### Maurice Ryan

I would describe the course as enjoyable and very flexible. I would advise prospective students not to rush the course. You have 4 years to get all 90 credits done in the case of the Masters and if you're busy with work then I recommend you use this time to get the best of both the online course and daily life. This is where the course scores fabulously for me. It's just so flexible.

## Additional Course Delivery Options

- Graduate Diploma Environmental Sustainability (Negotiated Learning) (Sept Start, Jan Start)
- Graduate Certificate Environmental Sustainability (Negotiated Learning) (Sept Start, Jan Start)

## Related Masters Programmes of Interest

- MSc Applied Environmental Science

## EU Enquiries

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**Non-EU Enquiries** ✉ : [internationaladmissions@ucd.ie](mailto:internationaladmissions@ucd.ie)  
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