

MSc Environmental Technology

One Year Full Time



Introduction

The programme addresses the demand for graduates who have the skills to develop technological solutions for air, water and soil protection in existing and emerging sectors across industry (particularly agri-food and bioresources), consulting companies and regulatory authorities. This programme will enable its students to acquire skills in the areas of environmental

engineering, risk assessment, air pollution, waste management, life cycle assessment, buildings and environment, energy systems and sustainable environment. Students will enhance their ability to work effectively as an individual, in teams and in multi-disciplinary settings, together with the capacity to undertake lifelong learning.

Course Highlight

Dr Tom Curran, the academic coordinator has received teaching and research awards from UCD, the American Society of Engineering Education (ASEE), the American Society of Agricultural and Biological Engineers (ASABE) and most recently the prestigious Fulbright Award (TechImpact).

Course Content and Structure

- 90 credits taught masters
- 60 credits taught modules
- 30 credits dissertation

Thesis: The project can be focused on one of the following: basic research; applied research; design, feasibility assessment, system analysis modeling, innovation or case study.

Modules include:

- Advanced Air Pollution
- Buildings and Environment
- Energy Systems and Sustainable Environment
- Water and Wastewater Engineering
- LCA Applications
- Life Cycle Assessment
- Quantitative Risk Assessment for Human and Animal Health
- Research and Teaching Methods
- Waste to Energy Processes & Technologies
- Thesis

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



Graduate Employability

Ranked no.1 in Ireland in QS Graduate Employability ranking



Global careers

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





Career Opportunities

Graduates of the MSc Environmental Technology may find employment opportunities in the following areas:

- ◆ Eco-consulting and design
- ◆ Engineering consultancy
- ◆ Environmental regulation
- ◆ Public service
- ◆ Research

Graduate Profile

Shubhangi Singh
Iarnród Éireann-Irish Rail



Applicant Profile

- ◆ Applicants must hold a bachelor's degree with a minimum upper second class honours (NQF level 8) or international equivalent in a relevant Engineering, Science or Technology programme.
- ◆ 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.
- ◆ Students who do not meet the IELTS requirement may wish to consider taking the Pre-Sessional or Pre-Master's Pathway. Full details at <https://www.ucd.ie/alc/programmes/pathways/>

International Fees and Scholarships

Tuition fee information is available on www.ucd.ie/fees. Please note that UCD offers a number of graduate scholarships for full-time, self-funding international students, holding an offer of a place on a UCD masters programme. Please see www.ucd.ie/global/scholarships/ for further information. Also apply for our College scholarship www.ucd.ie/eacollege/study/noneuscholarships

Related Masters Programmes of Interest

- MSc Digital Agriculture
- MSc Sustainable Energy & Green Technologies

UCD's well designed MSc Environmental Technology curriculum covering pertinent topics such as air, water, soil, biodiversity, abatement techniques, management, and ethics offered me a well-rounded education. The programme allowed me to cultivate a skill set that enhanced my capability to serve mother nature in a professional manner. Since UCD fosters a culture of learning, innovation and discipline, my pursuit of higher education at UCD serves as an imperative steppingstone to accomplish these goals. Not only has it broadened my knowledge but it has also helped me secure a job opportunity in Irish Rail as a graduate environmental engineer and utilise my skills in my professional life.

CONTACT US

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