

Student Testimonials

"I would highly recommend this MSc course. It prepares students from different backgrounds for independent research and for a job market where they can be considered for various positions in the environmental sector."

Luka Vucinic (2016)

"Both challenging and enjoyable, this course combines theory, policy and practical applications which I have used every day in my job in the renewable energy sector. The course material is engaging and greatly developed my understanding of the complex anthropological influences on the environment. I highly recommend this programme."

Gillian Gannon (2015)

"The diversity of topics are covered in depth, and taught by some of the leading scientists in their fields of research. Having classes take place on the beautiful campus in the heart of Dublin, is simply an amazing experience! This programme is truly interdisciplinary with courses delivered by people from almost each one of the Natural Science departments. The students have such diverse academic backgrounds, that everyone can learn something from one another. This was an ideal setting to study what I'm most passionate about - our environment."

Linda Dämmer (2015)

Individual Research Project

Following successful completion of the taught part of the course, students embark on a closely supervised research project intended to expand the skills and knowledge base acquired in earlier modules. Previous research projects have covered a diverse range of subjects including: groundwater contamination; atmospheric heavy metal deposition; environmental education; sewage processing systems; bio-indicators of marine pollution; and the impacts of erosion in African lakes.

Application Details

Applications for the M.Sc./P.Grad.Dip. Environmental Sciences must be submitted online at: <http://www.tcd.ie/courses/postgraduate/>

Further Information

Further information on research opportunities and the School of Natural Sciences is available through the school's administrative office:
Website: www.tcd.ie/naturalscience/postgraduate/
Tel: +353 1 896 2990
Email: snsmast@tcd.ie

The College reserves the right to update or change syllabi, fees, timetables or other aspects of the course at any time. CC00576 09/13

Disclaimer

Modules listed could be subject to change



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

M.Sc./P.Grad.Dip.
Environmental Sciences

Course Description

The taught M.Sc. degree in Environmental Sciences has an established pedigree, attracting students with diverse academic backgrounds from Ireland and abroad. This one-year full-time, intensive course is intended for administrative and scientific workers and new graduates with an appropriate biological/earth science background.

The course provides students with a wide range of knowledge and skills relating to the expanding subject of Environmental Science. It aims to provide a firm scientific understanding of current environmental issues that will be of relevance to those interested in environmental management and related areas. The course provides a foundation of understanding of current environmental policies and legislation, and builds upon this with practical and theoretical courses that include subjects such as ocean and coastal management, water resources and pollution, climate change and environmental impact assessment. Theory and practice are closely linked to develop field, analytical, and presentation skills, including dedicated modules relating to data analysis and Geographic Information Systems (GIS). The course provides the opportunity to develop interests in particular areas of Environmental Science through tutorials, seminars and an extended desk study.



Teaching Programme

Course Modules include (among others):

- Introduction to Environmental Sciences
- Desk Study
- Environmental Chemical Analysis
- Hydrology and Groundwater Quality
- Environmental and Climate Change
- Data Handling and Analysis
- Environmental Policies
- Practical Environmental Skills
- Project Planning



Course Aims

- To promote an understanding of environmental science, and the capability to apply that knowledge to current environmental issues and sound environmental management.
- To develop the necessary intellectual skills and practical expertise to design and execute high quality independent research.
- To cultivate skilled communicators who are proficient in organising thoughts and ideas, and disseminating them effectively through written and oral presentations.