



Sustainability with Environmental Sciences

Sample pathway for Sustainability with Environmental Sciences *



Engage with the principles

In First Year (Stage 1), students complete modules in key aspects of each of the disciplines and in the principles of Sustainability before choosing their degree subject at the end of the year.

Modules include:

- Introduction to Sustainability
- Sustainability Challenges
- Scientific Enquiry
- Statistics
- Cell Biology and Genetics
- Life on Earth
- Mapping a Sustainable World
- Anthropology: An Introduction
- People, Places and Regions
- Law in Europe
- Economics and Society
- Business in Society



Choose your subjects

In Second Year (Stage 2), students broaden their knowledge of Sustainability with a focus on Environmental Sciences.

Modules include:

- Sustainability: Research Tools
- Innovation, Communication and Careers in Sustainability
- Principles of Environmental Biology and Ecology
- Earth, Environment and Society
- Global Environmental Change
- Weather, Climate and Climate Change
- Chemistry for Biology
- Introduction to GIS for Sustainability
- Principles of Microeconomics



Refine your knowledge

In Third Year (Stage 3), students refine their knowledge, skills and experience of Sustainability with Environmental Sciences.

Modules include:

- Sustainability in Action (field trip)
- Working with Biological Data
- Wildlife Conservation and Fisheries Management
- Life Cycle Assessment
- Sustainable Chemistry
- Waste Management
- Global Inequalities
- Marketing: An Introduction



Focus on your chosen subject

In Fourth Year (Stage 4), students complete their undergraduate studies in Sustainability with Environmental Sciences, which includes a research project.

Modules include:

- Environmental Assessment
- Advanced Air Pollution
- Global Change Ecology
- Energy Systems and Climate Change
- Marine Community Ecology
- The Urban Environment
- Economics of the Environment

Career & Study Opportunities

BSc (Honours) Sustainability with Environmental Sciences

MSc (Taught)

- MSc Applied Environmental Science
- MSc World Heritage Management
- MSc Plant Biology
- MSc Climate Change: Science and Impacts
- MSc Environmental Sustainability
- MSc Environmental Technology
- MSc (Agr) Rural Environmental Conservation and Management
- MSc (Agr) Sustainable Agriculture and Rural Development
- MSc Sustainable Energy and Green Technology
- MSc Wildlife Conservation and Management
- MEngSc Water, Waste and Environmental Engineering

PhD

- Students can pursue a PhD in universities in Ireland or abroad in areas such as ecology, microbiology, fisheries, conservation biology, environmental management and global change

Industry

- Careers as consultants, managers and advisers in large organisations and private businesses.
- International organisations such as the UN, the European Environment Agency and the European Commission, Government Departments, State agencies and Conservation Organisations.
- Diverse areas such as renewables, clean technology management and energy efficiency
- Advise industries on social and environmental strategies.

*This pathway is an example only and is not guaranteed by UCD. Modules are subject to change each year.