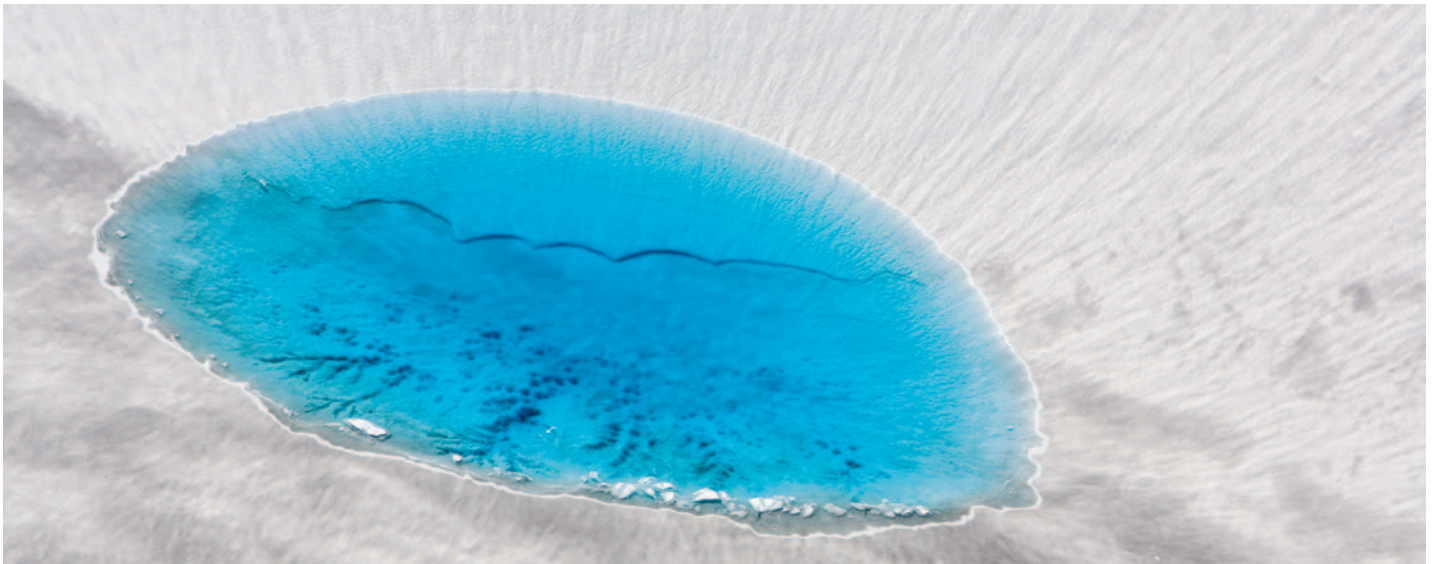


Environment and Natural Resources Interdisciplinary masters program » [MA or MSc](#)

The earth is undergoing environmental changes that are historically unique. Increased levels of greenhouse gases are changing the climate; depletion of harvestable fish species and desertification are threatening food security and air and water pollution is affecting human and environmental health. Explaining the causes and consequences, reporting on the relevant issues or designing the appropriate counteractive and management methods is well beyond the ability of a single discipline. At the University of Iceland we foster interdisciplinary thinking and analysis in our search for solutions.

In Iceland, with its significant use of renewable energy, the largest wilderness area in Europe, heavy reliance on natural resources and visible impact of climate change, students get an unequalled opportunity to participate in the search for solutions.



Environment and Natural Resources

INTERDISCIPLINARY MASTERS PROGRAM

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UNIVERSITY OF ICELAND

Environment and Natural Resources

INTERDISCIPLINARY MASTERS PROGRAM



UNIVERSITY OF ICELAND

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Program Organization

The two year (120 ECTS; 60 US credits) masters program in Environment and Natural Resources consists of a set of five core classes, a thesis - and up to 10 electives at any of the University's Faculties chosen in collaboration with the program director. Students are expected to complete courses from different disciplines, fostering a broad understanding of environmental and resource issues. The research project offers an opportunity to explore a chosen subject in greater depth and acquire research experience. The program is conducted in English.

A small example of available courses:

- | | |
|---|--|
| » Introduction to environment and natural resources | » Cost benefit analysis |
| » Environmental and resource policy | » International law on sustainable development |
| » Environmental anthropology | » Environmental law |
| » Environmental ethics | » Natural resources law |
| » Environmental impact assessment | » Environmental geochemistry |
| » Strategic environmental assessment | » Geothermal resources |
| » Environmental economics | » Energy economics |
| | » Natural resource management |

Application deadline and contact information

Application deadlines are February 1st for international students, April 15th for Nordic students and April 15th and October 15th for Icelandic students. For more information and for application forms please send an email to umhverfi@hi.is or consult www.umhverfi.hi.is Applications can be found online at www.umhverfi.hi.is

The Power to Think

The University of Iceland is a progressive educational and scientific institution, renowned in the global scientific community for its research. It is a state university, situated in the heart of Reykjavík, the capital of Iceland. A modern, diversified and rapidly developing institution, the University of

Iceland offers opportunities for study and research in almost 300 programs spanning most fields of science and scholarship: Social Sciences, Health Sciences, Humanities, Natural Sciences and Engineering, and Education. Some of the resources available at the University are uniquely Icelandic.

These include exceptionally complete genealogical data and climatological, glaciological, seismic and geothermal records. The University of Iceland holds a leading role internationally in renewable energy and environmental research.



Pressing questions

- » What is the supply potential of renewable energy?
- » How to adapt to and mitigate climate change?
- » How can we increase economic growth and protect the environment?
- » How important are ecosystem services?
- » How does air pollution affect human health?
- » How to design environmental management systems?
- » How to enhance environmental impact assessments?

Environment and Natural Resources

The two year masters program in Environment and Natural Resources at the University of Iceland is ideal for those who have finished BSc or BA degrees, and want to concentrate on issues such as sustainable energy systems and policy, energy and the environment, environmental science and policy, environmental management and natural resources management such as fisheries and wilderness management. Students will graduate with a MSc or a MA degree in Environment and Natural Resources.

The program is organized by diverse disciplines at the University, including social and natural sciences, education, health sciences and humanities, business and economics and engineering. This cross-disciplinary collaboration fosters interdisciplinary thinking and gives students a unique opportunity, in consultation with their appointed supervisor, to design a tailor made study program based on their interests.

The University is a progressive research institution, and examples of current research include: The value of landscape and ecosystem services, adapting and mitigating climate change, geothermal systems, the ecological footprint of energy resources, LCA of various energy options such as hydrogen, biodiesel and ethanol, total cost analysis of a hydrogen economy, valuing visual pollution of energy systems, dynamics of energy intensive industries, eco-industrial parks and indicators and policies towards sustainable energy development.

Recent masters thesis focal areas include:

- | | |
|---------------------------------------|---|
| » Sustainable energy systems | » Landscape classification |
| » Hydrogen economy | » Biodiversity |
| » Biofuels | » Air pollution and health |
| » Low carbon fuels for transportation | » Climate change policies |
| » Environmental management systems | » Water pollution |
| » Environmental impact assessment | » Waste management |
| » Ecolabels | » Education for sustainable development |