

MSc in Environmental Changes at Higher Latitudes (EnChil)

LUND UNIVERSITY, SWEDEN

- Master of Science in Physical Geography and Ecosystem Science
- 2 years, full-time, 120 ECTS credits
- Nordic joint programme
- Lund, Agricultural University Iceland (AUI) and partners
- Department of Physical Geography and Ecosystem Science, AUI and University of Helsinki
- Lund Campus
- Application deadline and programme start: see www.enchil.net

Programme overview

To better understand the effects of changes in nature and society at high latitudes, this program presents the different biological, physical and social processes and how they interact to shape the arctic environments. Due to climate change, increased economic activities and access to the arctic area, ecosystems and societies are changing in accelerated rate. Therefore, there is a need for experts with a multidisciplinary training in environmental sciences. The programme is a joint Nordic master, which means that students will graduate from two universities: the Agricultural University of Iceland and the University of Helsinki (AUI:UH) or Lund University (AUI:LU). In addition, EnChil students will have access to courses and research projects at any of the EnChil associated partners: the University of Oulu in Finland, the University of Aarhus in Denmark, the Greenland Institute of Natural Resources and the Estonian University of Life Sciences.

The curriculum contains a mandatory mobility period of at least one semester and all students will stay one semester at the Agricultural University of Iceland.

Programme modules/courses

Depends on the starting location. For Lund campus: Greenhouse Gases and Biogeochemical Cycles (15 credits) [LU],

Statistical tools for climate and atmospheric science (5) [distance learning], Climate Change in the Arctic (5) [distance learning], Climate Now (2+3) [distance learning], Arctic forum (5) [AUI], EnChil forum (1) [AUI], Ethics and Philosophy of Science (6) [AUI], Communication, Knowledge and Extension (4) [AUI], Environmental Governance (6) [AUI] Arctic Planning and Environmental Changes (2) [AUI] Sea Ice Ecology (5) [Greenland]. Second year courses at one of the EnChil partners (30) and thesis project (30).

Career prospects

As a graduate of the MSc in EnChil, you will be able to work within the fields of environmental management, consultancy, climate modelling and research with focus on the arctic environment.

Entry requirements and how to apply

ENTRY REQUIREMENTS

A Bachelor's degree of at least 180 credits in physical geography, physics, or the equivalent, including a minimum of 90 ECTS of studies in natural sciences and technology, with a minimum average grade of at least C on the ECTS grading scale. English Level 6 (equivalent to IELTS 6.5, TOEFL 90). See www.lunduniversity.lu.se for details on English proficiency levels.

HOW TO APPLY

When applying for this programme, you should do this at the central application site at www.enchil.net and read carefully the options and follow requirements given..

SELECTION CRITERIA/ADDITIONAL INFORMATION

The selection is based on grades awarded for previous academic courses, particularly qualifying courses, as well as the statement of purpose and professional qualifications and/or





other practical experience of relevance and motivation from the applicant personal letter. Number of places is limited to 20 students.

TUITION FEES

EEA/EU students: an annual fee consisting of half of the normal annual registration fee at AUI and the UH student union fee for those who have UH:AUI as a joint registration (currently ± 300 EUR and ± 100 EUR).

Non-EEA/EU students: an annual flat-rate tuition fee of 9 000 EUR, which includes all registration and student union fees.

About the Department of Earth and Ecosystem Sciences

At our department, we are engaged in education and research spanning a wide field of study, ranging from the Earth's oldest geological history to ongoing processes and changes in our landscape. We investigate the formation and composition of Earth, the development of life, the effects of recent glaciations on our landscape and how climate has changed over both short and long time scales.

Our work also concerns the climate of today and the future, the interactions of ecosystems with the atmosphere, as well as applied environmental problems such as polluted soils. Our diverse and cutting-edge research is well reflected in the courses and education programs that we offer, which means that our students are well prepared for the challenges of the labor market after graduation.

The student services and support at the department are well-known and much appreciated by our students.

About Lund University

Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has 40 000 students and more than 8 000 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition.

Lund is the most popular study location in Sweden. The University offers one of the broadest ranges of degree programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. Because of its wide disciplinary range, interdisciplinary collaborations and engagement with wider society, Lund University is particularly well equipped to meet complex societal challenges. With partner universities in around 70 countries, the University's profile is distinctly international.

Lund University has an annual turnover of more than EUR 830 million, of which two-thirds go to research in our nine faculties, enabling us to offer one of the strongest and broadest ranges of research in Scandinavia.

The establishment of the world-leading facilities MAX IV and ESS will have a major impact on future scientific and industrial development in both materials science and life science. MAX IV is the leading synchrotron radiation facility in the world, while the European research facility ESS will be the world's most powerful neutron source when it opens for research in 2023. Adjacent to these facilities, Science Village Scandinavia is also being developed into a meeting place and testing environment for research, education and entrepreneurship.

Learn more at www.lunduniversity.lu.se

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CONTACT

Programme webpage

www.enchil.net

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