Master's Programme in Physical Geography and Ecosystem Science

LUND UNIVERSITY | SWEDEN

- Master of Science in Physical Geography and Ecosystems Science
- 2 years, full-time, 120 ECTS credits
- Department of Physical Geography and Ecosystem Science
- Lund Campus
- Application deadline: January 2023
- Programme start: August 2023

PROGRAMME OVERVIEW

This programme enables you to gain theoretical and practical skills and technical methods in complex issues within the area of environmental sciences, physical geography and climate change. You will gain in-depth knowledge of global environmental issues and global cycling, data analysis and visualisation, ecosystem dynamics and modelling, and bio-geophysics. You will also gather substantial experience using different tools and advanced methods for analysis of environmental data, modelling of different processes, together with skills for presenting and communicating results and conclusions for different audiences. Teaching consists of lectures, exercises, field exercises, computer labs, group projects and project work. With this Master's programme you will study with international staff and students, at a highly ranked department at a top university.

PROGRAMME MODULES/COURSES

Greenhouse Gases and Biogeochemical Cycles (15), Climate Change and its Impacts on the Environment (15), Ecosystem Modelling (15), Digital Remote Sensing (15), Global Ecosystem Dynamics (15). Master's degree thesis (30).

CAREER PROSPECTS

After successfully completing the programme, you will be able to work as an expert within a number of different fields, such as climate and water issues, nature conservation and international development, and work with issues relating to assessment, analysis, management and development of the environment and natural resources in a long-term sustainable perspective. Naturally, you could also pursue a career in research. Examples of possible future employers are national authorities, municipal and county councils, international development organisations within for example the UN and national and international NGOs.

ENTRY REQUIREMENTS AND HOW TO APPLY

Entry requirements

A Bachelor's degree of at least 180 credits in physical geography, geology, geoscience, biology/ecology, physics, agronomy, forest science, environmental science, or the equivalent. English Level 6.

How to apply

1. **Apply online:** Go to www.lunduniversity.lu.se/physical-geography-ecosystem-science. Click on "Apply" and follow the instructions for the online application at www.universityadmissions.se, the Swedish national application website. Rank the chosen programmes in order of preference.
2. **Submit your supporting documents:** Check what documents you need to submit (i.e. official transcripts, degree diploma/ proof of expected graduation, translations, proof of English, passport) and how you need to submit them at www.universityadmissions.se.
   - **Programme-specific supporting documents:** When applying for this programme, you must also submit a 'Summary Sheet' with your application. See the programme webpage for details.
3. **Pay the application fee (when applicable).**

Selection criteria/additional info

The selection will be 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 (from the applicant's 'Summary Sheet').

Tuition fees

Tuition fee SEK 155 000 per year for non-EU/EEA citizens. No fee for EU/EEA citizens. See www.lunduniversity.lu.se for details on tuition fees.

ABOUT THE DEPARTMENT OF PHYSICAL GEOGRAPHY AND ECOSYSTEM SCIENCE

Our department is 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 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 focuses on the climate of today and the future, the interactions of ecosystems with the atmosphere, as well as applied environmental problems like 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 labour market after graduation.

ABOUT LUND UNIVERSITY

Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has around 46 000 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.

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Lund is considered one of the most popular study locations in Sweden. The University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The unique disciplinary range encourages boundary-crossing collaborations both within academia and with wider society, creating great conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in approximately 70 countries.

Lund University has an annual turnover of EUR 912 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.

CONTACT

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Learn more at www.lunduniversity.lu.se

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