



LUND
UNIVERSITY

Bsc in Physical Geography and Ecosystem Science

LUND UNIVERSITY | SWEDEN

- Bachelor of Science in Physical Geography and Ecosystem Science
- 3 years, full-time, 180 ECTS credits
- Department of Physical Geography and Ecosystem Science
- Lund Campus
- Application deadline: January 2024
- Programme start: August 2024

PROGRAMME OVERVIEW

In this programme, you will be focusing on natural global and local processes as well as human environmental impact and the interactions between them. You will obtain knowledge of various ecosystems, climate and climate change, land forming processes and land use. This programme also puts strong focus on methods for collecting data on environmental conditions and provide you with useful analysis and visualization tools commonly used in professional work. A unique blend of courses results in a high-profile degree from a top international university – a perfect platform for a career or for further studies. As a student in the programme you will study in an international environment and the studies are a mix of lectures, short and longer field excursions, group work, seminars and computer labs.

The department count more than 30 nationalities among the staff. The teachers are involved in research that connects to the topics included in the courses. They have gathered long experience working in different environments in the world, from the coldest climates in arctic environments to the arid environments and tropical forests.

PROGRAMME MODULES/COURSES

Courses are taken in subjects such as climatology, ecosystem analysis, geographical information science and environmental modelling. Theory and practice are integrated on local to global scales as well as in different locations in both developed and less developed countries. Field work and visits in southern

Sweden, as well as one longer field trip outside Europe, are key ingredients of the programme.

One semester consists of elective courses of any discipline at other departments. You could also do a study abroad at one of our many partner universities around the world.

You study one module at a time. Core courses of the programme are: An Introduction to the Global Environment (15 credits), Theory and Methods of Physical Geography (15 credits), Hydrology (15 credits), Ecosystem Analysis (15 credits), Geographical Information Systems 1 (15 credits), The Climate System (15 credits) and Remote Sensing for Landscape Studies (15 credits), Land Surface Processes and Landscape Dynamics (15 credits)

Other courses that we recommend you to include in your BSc are: Geographical Information Systems 2 (15 credits).

CAREER PROSPECTS

After graduation, you can either start working as an environmental specialist or continue with Master's studies, at Lund University or at another university. The Bachelor's programme offers training suitable for a wide range of professional roles. These could be work with climate and water issues, nature conservation planning, international aid and development work, handling of data or development of analytical methods. Many of our former students work in various parts of the world with environmental, planning and development issues and the GIS skills given in this programme are sought after. Welcome to a truly unique BSc programme!

ENTRY REQUIREMENTS AND HOW TO APPLY

Entry Requirements

General requirements and courses equivalent to the following Swedish upper secondary school courses: Mathematics 4 in combination with Biology 1, Physics 1, Chemistry 1 or level 2 in two of these subjects. English Level 6. For details on English proficiency levels, see www.lunduniversity.lu.se



“I have always been interested in the environment, climate change and the environmental impact humans have, and the best way to start a career is to understand how all the processes work. That is what we are learning in our programme right now. It is very applicable to real life and real-life events, and climate change is a huge topic. There’s so many myths and ideas, so it is good to be able to properly understand and have some knowledge about it.”

Julia Iwan from Germany



How to apply

- 1. Apply online:** Go to www.lunduniversity.lu.se/bsc-physical-geography. 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.
- 3. Pay the application fee (when applicable).**

Selection criteria/additional info

The general average (GPA) of your higher secondary school leaving certificate.

Tuition fees

Tuition fee SEK 170 000 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

The department of Physical Geography and Ecosystem Science is mainly focused on interdisciplinary studies of how climate and environmental changes affect the function and composition of terrestrial ecosystems. We combine field studies in many different places in the world with work in laboratories and computer simulations, programming and modelling. The goal is to increase understanding of the processes that take place in the exchange between the biosphere and atmosphere, hydrosphere and geosphere, not least under different climatic and environmental changes.

Our work focuses on the climate of today and the future, the interactions of ecosystems with the atmosphere, as well as applied environmental problems. 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..

CONTACT

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www.lunduniversity.lu.se/bsc-physical-geography

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Lund University was founded in 1666 and is repeatedly ranked among the world's top universities. The University has around 45 000 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.

Learn more at www.lunduniversity.lu.se



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