



**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 2022
- Programme start: August 2022

## PROGRAMME OVERVIEW

Understanding our environment, including increasing demands on and exploitation of natural resources and the climate change, is probably the greatest challenge influencing our present and future.

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 as Greenland and Svalbard to the arid environments in African deserts and tropical forests in Central Africa and South America.

## 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. Close interaction with private and governmental bodies and fieldwork/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 from other departments during which 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, in Lund or at another university. The 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 alumni work in various parts of the world with environmental, planning and development issues and the GIS skills given in this programme are sought after. This BSc programme is truly unique. A world in need is waiting for you!



**“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



## 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](http://www.lunduniversity.lu.se)

### How to apply

- 1. Apply online:** Go to [www.lunduniversity.lu.se/bsc-physical-geography](http://www.lunduniversity.lu.se/bsc-physical-geography). Click on "Apply" and follow the instructions for the online application at [www.universityadmissions.se](http://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](http://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 145 000 per year for non-EU/EEA citizens. No fee for EU/EEA citizens See [www.lunduniversity.lu.se](http://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 44 000 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.

## CONTACT

### Programme webpage:

[www.lunduniversity.lu.se/bsc-physical-geography](http://www.lunduniversity.lu.se/bsc-physical-geography)

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Learn more at [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se)

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