

- 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 2019
- Programme start: August 2019

Programme overview

Environmental management is crucial for the well-being of mankind. Understanding the environment, including increasing demands on and exploitation of natural resources as a result of population growth, is probably the greatest emerging challenge influencing our future. The demand for well-educated and highly skilled graduates within this field is, and will remain, extremely high.

Lund University offers a world-class BSc programme in Physical Geography and Ecosystem Science, focusing on environmental modelling and management. 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. The programme is based on courses in climatology, climate change, ecosystem science and geomorphology. It also covers ecosystem modelling, geographical information systems (GIS), remote sensing and statistics, as well as elements of chemistry and physics.

Programme modules/courses

Courses are taken in subjects such as climatology, geographical information science, programming and environmental modelling. Theory and practice are integrated on different scales (local to global) as well as in different locations (e.g. both developed and less-developed countries). Close interaction with private and governmental bodies and field work/visits within Europe as well as to Asia and/or Africa are key ingredients of the programme.

You have several options to personalise the content of your BSc by selecting courses at the department and 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.

Core courses of the programme are: An Introduction to the Global Environment (15 credits), Theory and Methods of Physical Geography (15 credits), The Climate System (15 credits), Ecosystem Analysis (15 credits), Geographical Information Systems 1 (15 credits) and Remote Sensing for Landscape Studies (15 credits).

Other courses that we recommend you to include in your BSc are: Land Surface Processes and Landscape Dynamics (15 credits), Hydrology (15 credits) and 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. Examples of Master's programmes offered in Lund are Geomatics, Physical Geography and Ecosystem Science and the highly prestigious European Joint Programme GEM (Geo-information Science and Earth Observation for Environmental Modelling and Management).

This BSc programme is truly unique. A world in need is waiting for you!

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 (equivalent to IELTS 6.5, TOEFL 90), see www.lunduniversity.lu.se for details on English proficiency levels.

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 the Swedish national application website www.universityadmissions.se. 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

There are no tuition fees for EU/EEA citizens. For non-EU/EEA citizens, the tuition fee for this programme is SEK 145 000 per year. 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 40,000 students and 7,400 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. Lund University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, two-thirds of which are destined for research. Our eight faculties conduct strong research in many different areas, including over thirty research fields in which we are world-leading. Many scientific breakthroughs and pioneering innovations have originated from Lund University.

The world-leading research facilities MAX IV and ESS which are being established in Lund will be of great significance for research and industrial development within materials and life sciences. MAX IV, which was inaugurated in 2016, is the world's foremost synchrotron radiation facility and the ESS will be the most powerful neutron source in the world once it opens for research in 2023. Science Village Scandinavia is developing nearby, destined to become a meeting place and a test environment for research, education and entrepreneurship.

Learn more at www.lunduniversity.lu.se
Ask questions and follow news at
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CONTACT

Programme webpage:

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

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