



**LUND**  
UNIVERSITY

# Master's Programme in Geology

LUND UNIVERSITY | SWEDEN

- Master of Science in Geology, specialisation in Quaternary geology, Biogeology or Bedrock geology
- 2 years, full-time, 120 ECTS credits
- Department of Geology
- Lund Campus
- Application deadline: January 2023
- Programme start: August 2023

## PROGRAMME OVERVIEW

The programme covers nearly all aspects of the study of Planet Earth, from minerals and rocks to glacial geology, sediments, climatic changes and the evolution of life. It aims to provide students with a wide range of geological knowledge, exposure to areas at the cutting-edge of research and a thorough understanding of the practical applications of geology. Sustainable development is a central theme of the programme. There are three specialisations: Bedrock Geology, Quaternary Geology and Biogeology. Three or four courses in the chosen specialisation, combined with an elective course, are normally studied during the first year. A Master's degree project (45 ECTS credits) is compulsory in the second year.

One of many attractions of the Department of Geology is the vast array of in-house research equipment that complements teaching. All students undertake their lectures and practical sessions in well-equipped lecture halls and teaching laboratories. Fieldwork is an essential part of the programme and there are several excursions and field courses of between one day and one week at a variety of locations. In the second year, students undertake their degree projects either in one of our research groups or in collaboration with a company or another external partner. The programme features both theoretical and practical learning, as well as plenty of group assignments and presentations, allowing students to develop supplementary skills that further increase their attractiveness on the labour market.

## PROGRAMME MODULES/COURSES

The programme has three specialisations: one in Bedrock Geology, one in Quaternary Geology and one in Biogeology. These are

the recommended study paths but courses from the different specialisations can be readily combined in a degree:

**Bedrock Geology, courses and number of credits:** Sedimentary Geology and Basin Analysis (15), Magmatic Petrology, Geochemistry and Geochronology (15), Metamorphic Petrology and Structural Geology (15), Evolution of the Biosphere, Palaeoecology and Palaeontology or Global Environmental Change from a Geological Perspective (15), electives (15) and a Master's degree project (45).

**Quaternary Geology, courses and number of credits:** Glacial Sedimentology – Processes, Sediments and Landform Systems (15), Palaeoecological Methods and Environmental Analysis (15), Marine Geology and Environmental Change (15), Global Environmental Change from a Geological Perspective (15), electives (15) and a Master's degree project (45).

**Biogeology, courses and number of credits:** Sedimentary Geology and Basin Analysis (15), Palaeoecological Methods and Environmental Analysis (15), Marine Geology and Environmental Change (15), Evolution of the Biosphere, Palaeoecology and Palaeontology (15), electives (15) and a Master's degree project (45).

## CAREER PROSPECTS

The world will depend even more on geological expertise in the future. Concerns about global environmental change have never been greater, and as technology evolves and the world's population increases, greater demands are placed on Earth's limited resources. Graduates from our internationally renowned Geology programme obtain highly relevant subject-specific as well as transferable skills that are necessary for tackling some of our major societal challenges, either through academic research or through employment in private companies, governmental structures and NGO's.

## ENTRY REQUIREMENTS AND HOW TO APPLY

### Entry requirements

A Bachelor's degree of at least 180 credits in geology or the equivalent. The degree must include at least 90 credits in geology. English Level 6.



“Studying geology at Lund University is easily the best decision that I have ever made. The quality of teaching is excellent and regular field trips help to strengthen the bonds between students and professors. The research facilities are excellent and the department is very accommodating to your research interests.”

James Davies from the UK





### How to apply

- 1. Apply online:** Go to [www.lunduniversity.lu.se/bed-rock-geology](http://www.lunduniversity.lu.se/bed-rock-geology), [www.lunduniversity.lu.se/quaternary-geology](http://www.lunduniversity.lu.se/quaternary-geology), or [www.lunduniversity.lu.se/biogeology](http://www.lunduniversity.lu.se/biogeology). 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).
- **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 and the statement of purpose for the application (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](http://www.lunduniversity.lu.se) for details on tuition fees

### ABOUT THE DEPARTMENT OF GEOLOGY

Lund University is the leading centre for geology education in Sweden. We cover the entire spectrum of geological disciplines, and several world-leading research groups are hosted at the Department of Geology. This competence is reflected in our education, and as a student you will be exposed to cutting-edge analytical techniques, novel scientific results and relevant applications of geological knowledge in society. Our education is to a large extent based on field and laboratory activities, and we benefit greatly from the unusual geological diversity of southern Sweden.

### CONTACT

Programme webpage:

[www.lunduniversity.lu.se/bed-rock-geology](http://www.lunduniversity.lu.se/bed-rock-geology)

[www.lunduniversity.lu.se/quaternary-geology](http://www.lunduniversity.lu.se/quaternary-geology)

[www.lunduniversity.lu.se/biogeology](http://www.lunduniversity.lu.se/biogeology)

Director of Studies

Dan Hammarlund, [dan.hammarlund@geol.lu.se](mailto:dan.hammarlund@geol.lu.se), +46 (0)46 222 7985

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.

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

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