



LUND  
UNIVERSITY

# MSc 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 2021
- Programme start: August 2021

## 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. 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. Courses from the different specialisations can readily be 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 (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), Quaternary Climate and Glaciation History (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 put 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.



“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





## 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 (equivalent to IELTS 6.5, TOEFL 90). See [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se) for details on English proficiency levels.

### HOW TO APPLY

**1. Apply online:** Go to the webpage of the Geology specialisation you wish to apply for:

- [www.lunduniversity.lu.se/bedrock-geology](http://www.lunduniversity.lu.se/bedrock-geology) or [/quaternalary-geology](http://www.lunduniversity.lu.se/quaternalary-geology) or [/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:**

- **General 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 the MSc in Geology, you must also submit a 'Summary Sheet'. See the programme webpages for details.

**3. Pay the application fee** (when applicable).

### SELECTION CRITERIA/ADDITIONAL INFORMATION

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

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](http://www.lunduniversity.lu.se) for details on tuition fees.

### CONTACT

#### Programme webpage

[www.lunduniversity.lu.se/bedrock-geology](http://www.lunduniversity.lu.se/bedrock-geology) or [/quaternalary-geology](http://www.lunduniversity.lu.se/quaternalary-geology) or [/biogeology](http://www.lunduniversity.lu.se/biogeology)

#### Director of studies

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## 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 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.

Lund is the most popular study location in Sweden. The University offers one of the broadest ranges of degree programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. Because of its wide disciplinary range, interdisciplinary collaborations and engagement with wider society, Lund University is particularly well equipped to meet complex societal challenges. With partner universities in around 70 countries, the University's profile is distinctly international.

Lund University has an annual turnover of more than EUR 830 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.

The establishment of the world-leading facilities MAX IV and ESS will have a major impact on future scientific and industrial development in both materials science and life science. MAX IV is the leading synchrotron radiation facility in the world, while the European research facility ESS will be the world's most powerful neutron source when it opens for research in 2023. Adjacent to these facilities, Science Village Scandinavia is also being developed into a meeting place and testing environment for research, education and entrepreneurship.

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

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