Programme overview

This Master’s programme specialises in the ecology of aquatic ecosystems, including both freshwater and marine systems, i.e. in the fields of Limnology and Marine Ecology, respectively. It provides understanding of state-of-the-art theories and models of the structure and function of aquatic ecosystems and, further, their relation to watershed, effects of anthropogenic disturbances, management strategies and restoration techniques. Practical training in laboratory and field methodology is also emphasised.

Special features of the programme:

• Close collaboration with research groups on the most recent scientific approaches to current issues in both basic and applied science
• Guidelines for sustainable fisheries management
• Hands-on laboratory training and risk assessment in ecotoxicological issues in aquatic environments
• Designing restoration projects on a watershed scale

Programme modules/courses

COMPULSORY COURSES: Limnology or Marine Ecology, Aquatic Ecology, and a Master’s degree project in Aquatic Ecology.


Career prospects

After graduation, many students of the Aquatic Ecology Master’s Programme find employment within the water management sector, e.g. as ecologists in municipal or county councils or in consulting agencies. In these positions, your assignments could include environmental monitoring, consulting on matters concerning water and assessment of measures that may affect the water environment. The programme also provides a solid base for continued studies at the PhD level.

Entry requirements and how to apply

ENTRY REQUIREMENTS

A Bachelor’s degree of at least 180 credits, of which 90 credits must be in science, including 5 credits in statistics and 60 credits in biology comprising cell biology, genetics, microbiology, ecology, botany and zoology, or the equivalent. 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/biology-aquatic-ecology. 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.

“I really like that you have 8–10 weeks focused on one subject, so you can really dive into it. You don’t have to do 101 things at a time and have ten exams at the end. I think the courses are all really well structured. All the professors I’ve had were very enthusiastic and really wanted us to learn something. They gave a lot of feedback, which I wasn’t used to from Germany. The grades were not the main focus; it’s more about doing it and learning it. I’ve really liked it.”

Rike Weber from Germany
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.
   - **Programme-specific supporting documents**: When applying for this programme, you must also submit a “Summary Sheet”. 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, as well as the statement of purpose and qualifications from research/work of relevance (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 for details on tuition fees.

**About the Department of Biology**
We have outstanding competence in education and research, covering a large number of biological disciplines from molecular biology to large-scale ecology. Several of our research groups are world-leading in their topic and a large number of international projects is coordinated by the department of Biology. As our education is integrated with the department’s research, you will have researchers as teachers and get involved in ongoing projects during your studies. Our courses range from basic to Master’s level. We offer around 50 advanced level courses as well as an extensive postgraduate programme.

**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 7 600 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 around 70 countries.

Lund University has an annual turnover of SEK 8.5 billion, more than half of which is 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 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 and is 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 facebook.com/lunduniversity

**Contact**
Programme webpage
www.lunduniversity.lu.se/biology-aquatic-ecology

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