

- Master of Science in Biology with specialisation in Evolutionary Biology
- 2 years, full-time, 120 ECTS credits
- Department of Biology
- Lund Campus
- Application deadline: January 2023
- Programme start: August 2023

## PROGRAMME OVERVIEW

How do biological systems evolve? On the Master's programme in Evolutionary Biology you will learn how to unravel the history of life by examining diversification, adaptation, and how the evolutionary process itself evolves. Evolution affects biology at all levels, from molecules to ecosystems, and our courses and research projects provide unique opportunities to study this diversity. You will acquire conceptual and methodological skills in molecular and genome evolution, evolutionary developmental biology, and evolutionary ecology. As an evolutionary biologist, you will be uniquely suited to understand living systems, and to solve problems that require collaboration across disciplines. Our teaching promotes an active, inquiry-based learning that is integrated with our Department's world-leading research on the evolutionary biology of microbes, plants, and animals.

### Special features

- Understanding the evolutionary process by integrating knowledge across genomics, molecular, cell and developmental biology, and ecology
- Examining unifying ecological and evolutionary principles at different levels of biological organisation
- Using evolutionary theory to address pure and applied biological problems
- Research-oriented and inquiry-based learning at a top institution for evolutionary biology to provide laboratory, analytical and field training.

## PROGRAMME MODULES/COURSES

### Compulsory courses

Evolutionary Biology - Patterns and Processes, Evolutionary Biology - Methods and Applications, and a Master's degree project in Evolutionary Biology.

### Electives

Modelling Biological Systems, Processing and Analysis of Biological Data, Bioinformatics and Sequence Analysis, Genetic Analysis, Molecular Ecology and Evolution, Plant Evolution and Adaptation, Animal Ecology, and Molecular Genetics of Eukaryotes.

Most courses are full-time studies, and you usually take only one course at a time. The courses are typically teaching-intensive, with lectures, seminars, excursions as well as theoretical and practical exercises. You are expected to spend about 40 hours per week on studies, self-studies included. Normally, you take two courses of 15 credits per semester, i.e. a total of 60 credits per year.

## CAREER PROSPECTS

The knowledge and skills you will gain on this programme will open doors to employment in many academic and public sectors. The programme is an ideal precursor for PhD studies, as well as any career requiring a deep understanding of biological systems and strong quantitative skills for the analysis of biological data.

## 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, ecology and organismal biology, or the equivalent. English Level 6.

### How to apply

- 1. Apply online:** Go to [www.lunduniversity.lu.se/evolutionary-biology](http://www.lunduniversity.lu.se/evolutionary-biology). 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 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

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 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 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.

Lund is considered one of the most popular study locations in Sweden. The University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The unique disciplinary range encourages boundary-crossing collaborations both within academia and with wider society, creating great conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in approximately 70 countries.

Lund University has an annual turnover of EUR 912 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.

### CONTACT

Programme webpage:  
[www.lunduniversity.lu.se/  
evolutionary-biology](http://www.lunduniversity.lu.se/evolutionary-biology)

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

Ask questions and follow news at [facebook.com/lunduniversity](https://facebook.com/lunduniversity)

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