



LUND
UNIVERSITY

MSc in Molecular Biology, General

LUND UNIVERSITY, SWEDEN

- Master of Science in Molecular Biology
- 2 years, full-time, 120 ECTS credits
- Department of Biology
- Lund Campus
- Application deadline: January 2021
- Programme start: August 2021

Programme overview

Molecular biology provides tools and a basis of knowledge that are increasingly important in all aspects of life science. This Master's programme offers courses that will deepen and broaden your education in modern molecularly-oriented biology and related topics. The general programme in Molecular Biology provides you with the opportunity to design your own education with the specialisation that you prefer. There is a broad range of courses to choose from. You will be given guidance on how to put together a suitable programme that fulfils the degree requirements and gives you the appropriate education and training.

Special features of the programme

- Broad range of courses related to cell- and molecular biology/biochemistry, medical biology/biomedicine
- Close connection to research in an international environment
- Integration of theoretical analysis with strong training of laboratory skills
- Freedom to create your own study programme and specialisation

Programme modules/courses

COURSES AND NUMBER OF CREDITS: Elective courses in Molecular Biology (60 credits), Master's degree project (30, 45 or 60 credits), optional courses or continuation of the Master's degree project (0–30 credits). For a list of elective courses, see www.biology.lu.se/general-master-programme-in-molecular-biology.

Most courses are full-time studies, and you take only one course at a time. The courses are typically teaching-intensive with lectures, seminars, theoretical and practical exercises, as well as self-studies. During one term, you normally take two courses of 15 credits (i.e. a total of 60 credits per year).

Example of course of study:

Semester 1: Neurobiology (15 credits), Microbiology (15 credits). **Semester 2:** Immunology (15 credits), Molecular Biotechnology (15 credits). **Semester 3:** Bioinformatics (7.5 credits), Programming in Python (7.5 credits), Start of Degree project (45 credits). **Semester 4:** Continuation of Degree project (45 credits).

Career prospects

The knowledge and skills you will gain on this programme open doors to employment within different sectors in industry, academia and the public sector. The programme also provides you with a solid grounding for PhD studies.

Entry requirements and how to apply

ENTRY REQUIREMENTS

A Bachelor's degree of at least 180 credits or the equivalent, of which 120 credits must be in science/biomedicine/engineering, including:

- 45 credits in molecular biology comprising genetics, cell biology and microbiology
 - 7.5 credits in human/animal physiology
 - 30 credits in chemistry comprising biochemistry
- 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/molecular-biology. 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.



"The most interesting thing about the General programme is that you are not restricted to follow an already determined study course outline. It allows you to be independent and build your own course of study according to your study and research interests and wants. Thanks to this, I was able to choose my career path in medical molecular biology. I am now a PhD student at the Biomedical Centre at Lund University."

Joy Nakawesi from Uganda





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' with your application. See the programme webpage 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 (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 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

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CONTACT

Programme webpage

www.lunduniversity.lu.se/molecular-biology

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