Programme overview
This programme offers a highly competitive education in modern microbiology. Molecular biology and genomics have transformed this topic and underlined the fundamental importance of microorganisms in most aspects of biology, from ecology to medicine. The programme spans from the use of microbial model organisms to understand function and evolution of cellular processes to the enormous importance of microbes in biotechnology, the food and pharmaceutical industries, hygiene, environmental biotechnology, etc. Much of this potential is still unexplored and the programme provides tools and knowledge for a career in this exciting area.

Special features of the programme
• Integration of experimental and applied microbiology
• Learning in an international and research-intensive environment
• Inquiry-based and research-based laboratory exercises
• Mentorship and extracurricular activities

Programme modules/courses
COURSES AND NUMBER OF CREDITS: Methods in Molecular Biology (15, compulsory), Microbiology (15, compulsory), Molecular Microbiology (15, compulsory), Bioimaging (7.5, optional), Antibiotics – Biology and Chemistry (7.5, optional).

Career prospects
The programme can form a point of entry into further postgraduate research in the field, or prepare you for a career in industry or the public sector. For microbiologists there is a broad employment market, for example in the biotechnology, pharmaceutical and food industries, as well as within various national and international authorities and organisations.

Entry requirements and how to apply
ENTRY REQUIREMENTS
A Bachelor’s degree including cell- and molecular biology (30 ECTS credits), genetics (7.5 ECTS credits), microbiology (7.5 ECTS credits), biochemistry (15 ECTS credits), and chemistry (20 ECTS credits). English Level 6 (equivalent to IELTS 6.5, TOEFL 90). See www.lunduniversity.lu.se for details on English proficiency levels.

“The study of microbes is so fascinating and challenging. It is thrilling to learn about the diversity of these germs, which are present almost everywhere on this planet from deep sea thermal vents to permafrost soils. I have always dreamt of studying them in detail and I now have the opportunity to do so in one of the finest institutes. From my studies of microbiology at Lund University I have learned about the prospects, scope and the intense future this field possesses. The lectures, labs and projects were all challenging and I have been provided with a great opportunity to learn new things every day.”
Manoj Kumar Gopala Krishnan, from India
HOW TO APPLY
1. **Apply online:** Go to [www.lunduniversity.lu.se/microbiology](http://www.lunduniversity.lu.se/microbiology). Click on “Apply” and follow the instructions for the online application at the Swedish national application website [www.universityadmissions.se](http://www.universityadmissions.se). 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).
3. **Pay the application fee** (when applicable).

**SELECTION CRITERIA/ADDITIONAL INFORMATION**
Selection of students is based on grades on academic courses of relevance for the Master’s programme.

**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. For details on tuition fees, see lunduniversity.lu.se.

**About the Department of Biology**
We have an outstanding competence in both education and research, covering a large number of biological disciplines with everything from molecular biology to large scale ecology. Several of our research groups are world-leading within their topic, which shows by the large number of international projects being coordinated from the department of Biology. Since our education is integrated with the research within the department you will, during your studies, have researchers as teachers and get into close contact with the ongoing projects. Our courses range from basic to Master’s level and we offer around 50 advanced level courses. We also have 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 42 000 students and 7 400 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 programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The compact university campus encourages networking and creates the conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, of which two-thirds go to research. Our research is characterised by both breadth and strength and, according to independent evaluations, over 30 of our research fields are world-leading.

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, which was inaugurated in June 2016, 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)
Ask questions and follow news at [facebook.com/lunduniversity](http://facebook.com/lunduniversity)

**CONTACT**
Programme webpage
[www.lunduniversity.lu.se/microbiology](http://www.lunduniversity.lu.se/microbiology)

Study Advisor
Christina Ledje, christina.ledje@biol.lu.se

Disclaimer: Changes may have been made since the printing of this fact sheet. Please see [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se) for any updates.