



LUND
UNIVERSITY

BSc in Biomedicine

LUND UNIVERSITY, SWEDEN

- Bachelor of Medical Science specialising in Biomedicine
- 3 years, full-time, 180 ECTS credits
- Faculty of Medicine
- Lund Campus
- Application deadline: January 2021
- Programme start: August 2021

Programme overview

Are you interested in the functions of the human body and do you want to contribute to reducing disease and suffering? Would you like to find a cure against diseases such as cancer and diabetes? Would you like to have an education that combines medicine and science with practical skills and applications? In that case, biomedicine is for you. You will be tutored by active research scientists, some of them world leading in their fields. You will be part of a research environment from the very beginning and take part of the latest techniques and research results.

Current issues of interest to biomedical scientists:

- How can nanoparticles be used in cancer drugs?
- Antibiotic resistance: what should we do when our medicines do not work anymore?
- Can we create our own spare organs using stem cell technology?
- How do genetics, environment, food and lifestyle affect our and our children's health?

Programme modules/courses

During the first year, the courses cover the molecular basis of the cell and its surroundings. The year starts with a course in cell biology and chemistry, continues with biochemistry and cellular metabolism, genetics and genomics and ends with the course 'the cell and its environment'. The second year is

comprised of courses focused on the cells building organs and the human body. It starts with courses in organ development and human physiology and continues with courses in biological basis of disease, pharmacology and drug development. The third year contains a course in translational och molecular medicine and ends with a 30-credit thesis project that is performed in a research lab. Generic skills, such as biostatistics, ethics and scientific communication, are trained throughout the programme and laboratory skills are trained both in the course lab and in research labs.

Career prospects

The Biomedicine Programme gives you the opportunity to continue in many areas after your Bachelor's degree. You will become a specialist in biomedical problem-solving and acting as an important link between new biological knowledge and practical medical use.

The vast majority of graduates choose to continue studying toward a Master's degree. Following a Master's degree, biomedical scientists can work with, for example:

- research in academia or the life science industry
- expert support for authorities and companies
- drug discovery, development and clinical trials
- bioentrepreneurship and market analysis
- medical writing and scientific journalism

Entry requirements and how to apply

ENTRY REQUIREMENTS

General eligibility (with exemption from Swedish language proficiency). Courses corresponding to the following Swedish upper secondary school courses: Biology 2, Chemistry 2, Mathematics 4, or the equivalent courses. 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/bsc-biomedicine. Click on "Apply" and follow the instructions for the online application at www.universityadmissions.se, the Swedish national application website. 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.
- 3. Pay the application fee** (when applicable).

SELECTION CRITERIA/ADDITIONAL INFO

The general average (GPA) of your higher secondary school leaving certificate.

TUITION FEES

There are no tuition fees for EU/EEA citizens. For non-EU/EEA citizens, the tuition fee for this programme is SEK 180 000 per year. See www.lunduniversity.lu.se for details on tuition fees.

About the Faculty of Medicine

The Faculty of Medicine is one of nine faculties at Lund University and offers a wealth of research, postgraduate and educational programmes in medicine, public health, biomedicine and health sciences, to name a few.

The Faculty encompasses 2 800 full-time undergraduate students enrolled in 8 degree programmes, as well as 1 000 postgraduate students and 2 000 employees. Research spans across a broad area from basic experimental research to applied research, in order to answer questions related to clinical practice, the health sciences and society.

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

Ask questions and follow news at

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CONTACT

Programme webpage

www.lunduniversity.lu.se/bsc-biomedicine

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Admission and general questions

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