Programme overview
Understanding proteins is central to understanding and solving both medical and biotechnological problems on the molecular level. This programme explores the molecular structures and functional mechanisms of a large number of proteins. Graduates from the programme will master methods of cloning, expression and purification of proteins, and a number of specialised techniques for analysing proteins. They will also be able to use and understand primary scientific publications, and have the ability to independently plan, carry out and critically evaluate experiments.

In the first year students follow advanced courses in biochemistry, biophysics and molecular biology. In the second year, they choose one or two projects in the field of protein science, which can be carried out at the University or in a company with a relevant research profile. Participation in seminar series, career training and development of other general skills is also encouraged during the second year of studies.

Programme modules/courses
**COMPULSORY COURSES AND NUMBER OF CREDITS:**
Biochemistry – Advanced Course (15), Structural Bioinformatics (15), Master’s degree project(s) comprising a total of 60 credits (minimum 30 credits each).

Career prospects
Graduates from the programme are highly skilled in conducting research and development, and are well prepared both for work in the biomedical/biotechnical industries and for commencing PhD studies.

Entry requirements and how to apply
**ENTRY REQUIREMENTS**
An undergraduate degree corresponding to a BSc, comprising at least 180 ECTS credits, of which at least 90 ECTS credits should be in the major fields of chemistry, molecular biology, biomedicine or biotechnology, including at least 15 ECTS credits of biochemistry. Note that each course within the programme can have particular prerequisites that must also be fulfilled. 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/protein-science. 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.
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**
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. See www.lunduniversity.lu.se or details on tuition fees.
About the Department of Chemistry

The Department of Chemistry at Lund University provides world-class education and research within a wide area of chemistry. The Department of Chemistry is situated at Kemicentrum, Scandinavia’s largest center for research and education in chemistry. It is a unique research environment close to several major research centers, research parks and industries.

The Department of Chemistry has a unique strength with undergraduate and postgraduate education in all areas of chemistry as we belong to both the Faculty of Science and the Faculty of Engineering (LTH).

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
Ask questions and follow news at facebook.com/lunduniversity

CONTACT

Programme webpage
www.lunduniversity.lu.se/protein-science

Study guidance
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