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 B.Sc. 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 6/English Course B. 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. For details on tuition fees, see www.lunduniversity.lu.se.
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 41,000 students and 7,500 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 Sweden’s most attractive study destination. 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 clear international profile, with partner universities in over 70 countries.

Funding of more than SEK 5 billion a year goes to research at eight faculties, which gives us one of Sweden’s strongest and broadest ranges of research activity. Over 30 of our research fields are world-leading, according to independent evaluations.

Two of the world’s leading materials research facilities are currently under construction in Lund: the MAX IV Laboratory, inaugurated in June 2016, is the leading synchrotron radiation facility in the world, and the European research facility ESS, which will house the world’s most powerful neutron source. The two facilities will be of decisive importance for future scientific and industrial development in both materials science and life science.

Learn more at www.lunduniversity.lu.se
Ask questions and follow news at facebook.com/lunduniversity

CONTACT
Programme webpage
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