Programme overview
Understanding proteins is central to understanding and solving both medical and biochemistry-related 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 understand and use 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, protein chemistry and molecular biophysics. In the second year, they choose Master's degree project or projects in the fields mentioned above, which can be carried out at the University or in a company with a relevant research profile.

Programme modules/courses
COMPULSORY COURSES: Advanced level courses in chemistry comprising 30 ECTS credits, of which 15 ECTS should be in the fields of biochemistry or molecular biophysics, and a Master's degree project comprising at least 30 credits.

Career prospects
Graduates from the programme are highly skilled in conducting research and development and are well prepared both for work in the fields of biochemistry and protein science and for PhD studies.

Entry requirements and how to apply
ENTRY REQUIREMENTS
A Bachelor's degree of at least 180 credits or the equivalent, including at least 90 credits in chemistry, of which at least 15 credits must be in 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/chemistry-biochemistry.
   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 INFORMATION
The selection will be based on grades awarded for previous academic courses in science, engineering and mathematics.

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.

“This programme gives you a lot of freedom to develop yourself and your specific interests. If you have an idea and specific interests, you can talk with your professors and they will guide you and give very useful suggestions to achieve your goals through the courses on offer. One of the best things about studying here is meeting people from different cultures, with different academic experiences and with different ideas.”

Yutang Li from China
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 in 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 40,000 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. Lund University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, two-thirds of which are destined for research. Our eight faculties conduct strong research in many different areas, including over thirty research fields in which we are world-leading. Many scientific breakthroughs and pioneering innovations have originated from Lund University.

The world-leading research facilities MAX IV and ESS which are being established in Lund will be of great significance for research and industrial development within materials and life sciences. MAX IV, which was inaugurated in 2016, is the world’s foremost synchrotron radiation facility and the ESS will be the most powerful neutron source in the world once it opens for research in 2023. Science Village Scandinavia is developing nearby, destined to become a meeting place and a test 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/chemistry-biochemistry](http://www.lunduniversity.lu.se/chemistry-biochemistry)

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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.