Programme overview

Our world is facing many challenges – in basic science when exploring fundamental forces and particles or the origin of the universe, planets and life – and in applied science to find sustainable energy sources, new technology on the nano-scale and tailor-made materials for industry, chemistry and medicine. Physics is the basis for this endeavour and physicists play an important role in these and many other fields. Lund is consistently ranked as the top university in Northern Europe in physical sciences and this excellence is now expanding through the building of two international research centres – MAX IV, a synchrotron radiation laboratory that opened in Lund in June 2016, and ESS, the European Spallation Source that is currently under construction and expected to be in operation in 2023. These research facilities will create opportunities for physics graduates.

Around the University and the centres, you will find a large number of innovation companies, making Lund a motor in the economy of southern Scandinavia. Physicists in Lund are working on the cutting edge of everything from particle physics at CERN to nanoscience and photonics.

Programme modules/courses

**COMPULSORY COURSES:** The programme starts with a year of basic mathematics and physics in common with the Bachelor’s Programme in Mathematics. The second year provides the tools for studies in physics, through one semester of further mathematics, together with quantum and statistical physics. The fourth semester gives an overview of physics in Lund, through courses in atomic and molecular physics, nuclear physics and reactors, materials science, and particle physics and accelerators, to gain a deeper and broader understanding in physics.

**ELECTIVES:** The fifth semester consists of elective courses in any subject. In the last semester, students choose courses and a project in a specialisation.

On completion of this Bachelor’s programme, students are eligible for a number of different Master’s programmes at Lund University and elsewhere.

Entry requirements and how to apply

**ENTRY REQUIREMENTS**

General and courses corresponding to the following Swedish upper secondary school studies: Physics 2, Chemistry 1 and Mathematics 4. English Level 6 (equivalent to IELTS 6.5, TOEFL 90). Please see www.lunduniversity.lu.se for details on required English proficiency levels.

**HOW TO APPLY**

1. **Apply online:** Go to [www.lunduniversity.lu.se/bsc-physics](http://www.lunduniversity.lu.se/bsc-physics). Click on “Apply” and follow the instructions for the online application at [www.universityadmissions.se](http://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](http://www.universityadmissions.se).

3. **Pay the application fee** (when applicable).

“I have always been interested in science and how the world works. With physics, which is such a wide area, there is always something new to discover and explore. The teachers at my programme are very dedicated and are always willing to help if you have any questions. The best thing about Lund is its rich student life and, if I ever got tired of it, the larger cities Malmö and Copenhagen are just a short trip away.”

Adam Johansson from Sweden
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 145 000 per year. See www.lunduniversity.lu.se for details on tuition fees.

About the Department of Physics
The Departments of Physics has over 300 researchers, teachers, technicians and administrators. We work to extend the understanding of physics and its applications, and to communicate our findings, and those of others, to new generations. We also teach the basics of physics to over one thousand students every year and we have the most popular physics programme in Sweden. We strive to offer a study and research environment that is open and inclusive by actively working with gender equality issues and improvement of the support functions for students with special needs. The student services and support at the department is well-known and much appreciated by our students.

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
Ask questions and follow news at facebook.com/lunduniversity