

- Master of Science in Physics
- 2 years, full-time, 120 ECTS credits
- Department of Astronomy and Theoretical Physics and Department of Physics
- Lund Campus
- Application deadline: January 2021
- Programme start: August 2021

Programme overview

What if satisfying your curiosity could become your job? At the Department of Physics in Lund, you can be curious and creative and at the same time make a strategic choice for your career. Physicists in Lund study subjects including the smallest parts of matter, the interface between living cells and electronics, how to create a cleaner environment and how to cure cancer. At the same time, they are satisfying their curiosity. As a Master's student, you will become part of a vibrant research community engaged in experiments at major international research facilities and in state-of-the-art laboratories on site. Cutting-edge theoretical studies are also undertaken.

You begin your studies by taking a number of courses, some mandatory and some elective courses. The programme concludes with a Master's project, for which you spend a full year in a research group or outside the University – there are many exciting possibilities within the high-tech industry in the Lund region.

Programme modules/courses

For information on mandatory and elective courses, see www.fysik.lu.se/english/education/start-studying/masters-programme.

Career prospects

Two international research facilities – MAX IV, a synchrotron radiation laboratory, and ESS, the European Spallation Source – make Lund a centre for, among other things,

materials science and attract new entrepreneurs and research groups. The two facilities add to the already existing opportunities for you as a graduate of this Master's programme. Areas in which graduates find employment include information and communication technology, manufacturing, space exploration, life sciences, medicine, pharmacy, energy production, the environment, electronics and materials science. MAX IV entered into operation in June 2016. ESS is currently under construction, with a planned start of operations in 2023.

Entry requirements and how to apply

ENTRY REQUIREMENTS

A Bachelor's degree of at least 180 credits in physics or the equivalent. The degree must include at least 90 credits in physics. 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/physics. 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:

- **General 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.
- **Programme-specific supporting documents:** When applying for this programme, you must also submit a 'Summary Sheet' with your application. See the programme webpage for details.

3. Pay the application fee (when applicable).





SELECTION CRITERIA/ADDITIONAL INFORMATION

The selection will be based on grades awarded for previous academic courses, particularly qualifying courses, and the statement of purpose (from the applicant's 'Summary Sheet').

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.

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/physics

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