

- 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 2023
- Programme start: August 2023

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 <https://www.fysik.lu.se/en/masters-programme-general-physics>.

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.

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.

How to apply

- 1. Apply online:** Go to www.lunduniversity.lu.se/physics-general. 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:** 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 info

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

Tuition fee SEK 155 000 per year for non-EU/EEA citizens. No fee for EU/EEA citizens. See www.lunduniversity.lu.se for details on tuition fees

ABOUT THE DEPARTMENT OF ASTRONOMY AND THEORETICAL PHYSICS

The Department of Astronomy and Theoretical Physics spans a very large range of research activities: theoretical particle physics, computational biology and biological physics, theoretical astrophysics, observational astronomy and research on atomic data, as well as on instrument development. We have vibrant and active research groups in all areas.

ABOUT LUND UNIVERSITY

Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has around 46 000 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 considered one of the most popular study locations 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 unique disciplinary range encourages boundary-crossing collaborations both within academia and with wider society, creating great conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in approximately 70 countries.

Lund University has an annual turnover of EUR 912 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 European Spallation Source (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 ESS will feature the world's most powerful neutron source when it will be fully operational by the end of 2027. These facilities together with the new University campus in Science Village will constitute a science complex and an international hub for research, education and innovation in which Lund University plays a central role.

CONTACT

Programme webpage:

www.lunduniversity.lu.se/physics

Programme Coordinator:

Jan Knudsen

jan.knudsen@sljus.lu.se

Study Advisor

studievagledning@fysik.lu.se

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Learn more at www.lunduniversity.lu.se

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