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 of them general, some more specialised. 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. You have a lot of freedom to tailor your own education, but we have also put together some strong specialisations: Analytical Physics, Combustion Physics, Mathematical Physics, Theoretical Physics, Nanophysics, Photonics and Lasers, Subatomic Physics and Synchrotron Radiation Physics.

Programme modules/courses
Physics 4: Introduction to Advanced Physics (30 credits), Master’s degree project at least 30 credits), electives (60 credits). For information on specialisations and elective courses, see www.fysik.lu.se/english/education/start-studying/masters-programme

Career prospects
Two international research institutes – MAX IV, a synchrotron radiation laboratory, and ESS, the European Spallation Source – will make Lund a centre for, among other things, materials science and will attract new entrepreneurs and research groups. The two institutes will 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 planned start of operations in 2023.

Entry requirements and how to apply
ENTRY REQUIREMENTS
A BA/BSc in physics, mathematics or similar, with 90 ECTS credits in physics and/or mathematics, including basic knowledge of quantum mechanics. English 6/English Course B. See www.lunduniversity.lu.se for details on English proficiency levels.

“Something really good about this programme is that you have a lot of freedom to choose your own courses. They really have a lot of courses to choose between so you can take several different tracks.”

Fabian Motzfeld, from Germany
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 the Swedish national application website www.universityadmissions.se. 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 statement of purpose and letters of recommendation with your application.

3. Pay the application fee (when applicable).

SELECTION CRITERIA/ADDITIONAL INFORMATION

Selection of students is based on previous university/college studies and other merits such as letters of recommendation and statement of purpose.

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 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 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

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