Programme overview
Geomatics involve the acquisition, management and analysis of phenomena with a spatial reference. Spatial analysis finds applications in many areas, such as health, the environment, urban planning, geology, archaeology and agronomy. This programme aims to provide you with knowledge in spatial analysis for environmental applications. It includes studies in geographical information systems (GIS), remote sensing and physical geography. Models and theories for understanding the Earth’s climate and ecosystems are integrated with knowledge for collecting environmental information using remote sensing, storing the information in databases and theories behind GIS.

Programme modules/courses
Core courses of the programme are Geographical Information Systems 1 (15), Geographical Information Systems 2 (15), Spatial Analysis (7.5), Internet GIS (7.5), Satellite Remote Sensing (15), Algorithms and GIS (7.5), Geographical Databases (7.5). For students that already have a strong background in this field, elective courses, e.g. Programming (15), Climate Change & Impact on Environment (15), Global Ecosystem Dynamics (15) and Greenhouse Gases and Biogeochemical Cycles (15) could be alternatives to the core courses. The programme ends with a Master’s degree project (30).

Career prospects
Graduates from the programme will be able to work as GIS and environmental specialists in public and private organisations. The programme is also suited for students interested in research careers.

Entry requirements and how to apply
ENTRY REQUIREMENTS
A first-cycle degree in science or engineering of at least 180 higher education credits is required (ECTS). A background from technical colleges, specialisations in land surveying, community planning, civil engineering, natural science, physical geography, geology, ecosystems analysis or similar is highly relevant for this programme. English Level 6 (equivalent to IELTS 6.5, TOEFL 90). For details on English proficiency levels, see www.lunduniversity.lu.se.

HOW TO APPLY
1. Apply online: Go to www.lunduniversity.lu.se/geomatics. 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 statement of purpose and letters of recommendation with your application.
3. Pay the application fee (when applicable).

“...I didn’t know that much about geomatics before, but now I love the subject. I am convinced this is the best Master’s programme at Lund University. There is a nice mixture of people and cultures here.”
Cleber Domingos Arruda from Brazil
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 Earth and Ecosystem Sciences
At our department, we are engaged in education and research spanning a wide field of study, ranging from the Earth’s oldest geological history to ongoing processes and changes in our landscape. We investigate the formation and composition of Earth, the development of life, the effects of recent glaciations on our landscape and how climate has changed over both short and long time scales.

Our work also concerns the climate of today and the future, the interactions of ecosystems with the atmosphere, as well as applied environmental problems like polluted soils. Our diverse and cutting-edge research is well reflected in the courses and education programs that we offer, which means that after graduating our students are well prepared for the challenges of the labor market.

About Lund University
Lund University was founded in 1666 and is repeatedly ranked among the world’s top 100 universities. The University has 42 000 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. 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 distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, of which two-thirds go to research. Our research is characterised by both breadth and strength and, according to independent evaluations, over 30 of our research fields are world-leading.

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, which was inaugurated in June 2016, 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 facebook.com/lunduniversity