



MSc in Geo-Information Science and Earth Observation for Environmental Modelling and Management

EUROPEAN JOINT MASTER'S PROGRAMME

- Master of Science in Geo-Information Science and Earth Observation for Environmental Modelling and Management
- 2 years, full time, 120 ECTS credits
- European joint Master's programme
- Lund, Reykjavik, Southampton, Enschede, Warsaw
- Application deadline: See <http://www.gem-msc.org>
- Programme start: See <http://www.gem-msc.org>

Programme overview

Geo-information science and earth observation for environmental modelling and management is essential for development issues all round the world. Spatial data, such as maps and global databases, as well as satellite imagery play a central role in the search for reliable environmental information for scenario studies and viable policies. Knowledge and skills in this field will therefore continue to be crucial for industry, government and NGOs. The programme runs for 22 months and is taught by world class faculties in five countries: Iceland, the UK, Sweden, Poland and the Netherlands. While spending time in at least two of the five countries and studying in a multicultural environment, students will gain valuable insights into the academic, social and cultural diversity of Northern and Central Europe. On graduation they will receive a multiple MSc degree from the consortium universities. There is a great demand for Geo-information Science and Earth Observation for Environmental Modelling and Management (GEM) graduates in the international arena. A large number of the GEM graduates are accepted in PhD degree programmes. The programme has been running for 10 years and more than 120 students have graduated.

Programme modules/courses

The programme is divided into one foundation year (60 ECTS) and one year of specialisation (60 ECTS). During the first year, the students have common foundation studies in geo-information and earth observation, statistics, presentation and research skills, and systems analysis related to environmental modelling and management. The second year students can specialise on e.g. EU Policy and Environment, Environmental Modelling of Oceans and Land, Environmental Change at Northern Latitudes, Biodiversity, Carbon Modelling, Food Security, Geoinformatics, Modelling of Greenhouse Gases and Web Solutions for Environmental Modelling.

A course calendar with course structure and modules is available on the website, www.gem-msc.org.

Career prospects

Geo-information technology and, in particular, remote sensing, plays a central role in the search for clear analyses to provide the required information for formulation of viable policies. Skills in this field will therefore continue to be much in demand in industry, government and NGOs.

Entry requirements and how to apply

ENTRY REQUIREMENTS

Applicants should have a first or upper second class (2.1) BSc honours degree, or equivalent, from a recognised university in a discipline related to the programme, preferably combined with work experience in a relevant field. English proficiency must be shown, see <http://www.gem-msc.org/application/admission/>.

“Being part of the GEM program was an unforgettable experience and I had the chance to develop myself professionally and personally.”

Joaquin Duque Lazo, from Spain





HOW TO APPLY

See <http://www.gem-msc.org/application/admission/> for information on how to apply.

SELECTION CRITERIA/ADDITIONAL INFORMATION

Selection of students is based not only on their background and work experience, but also motivation and research interest are taken into account. Students are requested to add a motivation letter and provisional research idea to their application.

TUITION FEES

The tuition fee is 9 500 Euro per year for non-EU/EEA students and 3 500 Euro per year for EU/EEA-students. For details on tuition fees and scholarships, please see <http://www.gem-msc.org>

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

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CONTACT

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