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# MSc in Disaster Risk Management and Climate Change Adaptation

LUND UNIVERSITY | SWEDEN

- Master of Science in Disaster Risk Management and Climate Change Adaptation
- 2 years, full-time, 120 ECTS credits
- Faculty of Engineering
- Lund Campus
- Application deadline: January 2024
- Programme start: August 2024

## PROGRAMME OVERVIEW

The trend of increasing disasters and related losses are global challenges. The changing global risk landscape due to various processes of change such as climate change, urbanisation, and the increasing complexity of modern society poses major challenges for sustainable development and must be addressed with an interdisciplinary approach. A growing number of governments and international organisations acknowledge the necessity to increase their efforts in disaster risk management and climate change adaptation in order to successfully adjust to changing environments and develop safe and sustainable societies. The Master's programme in Disaster Risk Management and Climate Change Adaptation has support from important national and international authorities, NGOs, UN agencies, and the Red Cross/ Red Crescent movement.

### The programme contributes to meeting the need for qualified professionals who can:

- contribute to resilient and sustainable societies through use of interdisciplinary concepts, methods and tools within disaster risk management and climate change adaptation
- apply skills in resilience, risk assessment, risk communication, capacity assessment, risk-based land use planning, preparedness and contingency planning and disaster response management
- work with capacity development and project design for disaster risk management and climate change adaptation in local, national and international organisations or agencies
- utilise and contribute to research in this field

The programme offers a mix of practical and theoretical learning with a strong focus on group work and interaction

between students and teaching staff as well as with important actors within this field of study. Examples of the latter are the involvement of experts from national and international organisations in some of the courses and the possibility of taking an elective internship-based course. The programme has connections with potential hosts for interns, where students can apply, and for students conducting research for their Master's thesis within the UN-system, the Red Cross/Red Crescent movement and Governmental agencies on different administrative levels in various parts of the world.

Students come from all over the world and from various academic disciplines, such as engineering science, social science, political science, natural science and environmental science. Even if previous work experience is not a requirement to enter the programme, most of our students have professional or volunteer experience.

## PROGRAMME MODULES/COURSES

**COMPULSORY COURSES AND NUMBER OF CREDITS:** Societal Resilience (7.5), Foundations for Risk Assessment and Management (7.5), Capacity Development (7.5), Introduction to Disaster Response Management (7.5), Risk Based Land Use Planning (7.5), Climate Smart Risk Reduction (7.5), Preparedness and Planning (7.5), Risk Perception, Communication and Human Behaviour (7.5), Critical issues in Disaster Risk Management and Climate Change Adaptation (7.5), Research Methodology (7.5), Master's degree project (30).

**ELECTIVES, 15 CREDITS IN TOTAL:** Internship-based course (15), Critical Infrastructure Resilience (7.5), Geographical Information Technology – Introduction (15), Fundamentals of Logistics and Operations Management (7.5), Integrated Water Resources Management: International Aspects (7.5). The Technology and Applications of Drone Systems (7.5), Geographical Information Technology - Basic course (15), Geographical Information Technology - Advanced course (15) Additional courses might be available, e.g. in areas of public health, gender, migration and development.

Full list of courses: [www.lth.se/english/study/takak](http://www.lth.se/english/study/takak)

**“We have created a programme that has synergies between disaster risk management and climate change adaptation because these two areas are strongly interlinked. A growing number of governments and international organisations acknowledge the necessity of increasing their efforts in order to develop safe and sustainable societies. When the climate changes, disasters follow and unfortunately it is a growing trend. So, our programme is heavily focused on proactive approaches in order to make society more resilient.”**

Magnus Hagelsteen, Programme Director, MSc in Disaster Risk Management and Climate Change Adaptation.



## CAREER PROSPECTS

Students graduating from the Master's programme in Disaster Risk Management and Climate Change Adaptation will be attractive for a career with actors contributing to a more resilient and sustainable society, everything from local and national authorities, NGOs, private sector, academia and think tanks to international actors as well as private consultancies. Graduates have acquired a broad understanding of the complex and dynamic field, of proactive and reactive approaches and have an ability to apply skills and generic tools in various working contexts. They will be a bridge between risk/climate experts, project managers and policymakers. The programme provides qualifications for both professional activities in society and for research studies at PhD level.

The network of organisations supporting the programme have in their letters of support for the programme emphasised the need for professionals with qualifications in e.g. resilience, risk assessment and management, risk communication, preparedness/contingency planning and capacity development, topics which are at the core of the programme.

## ENTRY REQUIREMENTS AND HOW TO APPLY

### Entry requirements

A Bachelor's degree with relevance to the applied education. English Level 6.

### How to apply

- 1. Apply online:** Go to [www.lunduniversity.lu.se/disaster-risk-management](http://www.lunduniversity.lu.se/disaster-risk-management). Click on "Apply" and follow the instructions for the online application at [www.universityadmissions.se](http://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](http://www.universityadmissions.se).

- **Programme-specific supporting documents:** When applying for the MSc in Disaster Risk Management and Climate Change Adaptation, you must also submit a CV and a statement of purpose. For instructions regarding the statement of purpose, please visit the programme webpage. Applicants should provide an official explanation of the grading scale of their Bachelor's degree (this could be in the form of a link to a website), if such an explanation is not printed on the transcript.

### 3. Pay the application fee (when applicable)

### Tuition fees

Tuition fee SEK 170 000 per year for non-EU/EEA citizens. No fee for EU/EEA citizens.

### Selection criteria/additional information

The selection is based on academic qualifications and a statement of purpose.

## ABOUT THE FACULTY OF ENGINEERING

The Faculty of Engineering LTH, is a place for dreams and discoveries. We inspire creative development of technology, architecture and design and teach some of Sweden's most attractive Master's programmes, all built on a broad research base. LTH is among the leading engineering faculties in Europe with nearly 10 000 students. Over 1 000 researchers at LTH work hard to improve the quality of life for people and promote more careful use of the Earth's resources. A world record in 5G technology, solar cell-driven water purification, early cancer diagnosis, nanotechnology for more efficient solar panels, and a health-promoting oat drink are some of the innovations developed at LTH. Together we explore and create – for the benefit of the world.

## CONTACT

Programme webpage:  
[www.lunduniversity.lu.se/disaster-risk-management](http://www.lunduniversity.lu.se/disaster-risk-management)

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Lund University was founded in 1666 and is repeatedly ranked among the world's top universities. The University has around 45 000 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.

Learn more at [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se)



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