



LUND
UNIVERSITY

Msc in Digital Architecture and Emergent Futures

LUND UNIVERSITY | SWEDEN

- Master of Science in Digital Architecture and Emergent Futures
- 2 years, full-time, 120 ECTS credits
- School of Architecture, Faculty of Engineering
- Application deadline: January 2024
- Programme start: August 2024

PROGRAMME OVERVIEW

Do you want to study a programme at the intersection of architectural practice and research? Apply for the Master's Programme in Digital Architecture and Emergent Futures!

This programme trains future architects to become leaders of a construction industry capable of transformative and sustainable change. It is part of an emerging community of computational designers and is taught in close collaboration with the bioDigital Matter research group and the centre for construction robotics at Lund University. The Master's programme in Digital Architecture and Emergent Futures seeks to equip future architects with insights and skills that allow them to take part in shaping a new future: to become designers, creators and changemakers. Trends in technology and culture alike are leading to rapid societal change, and complex patterns and relationships are an increasingly important aspect of professional life. In the programme, students are trained to become transdisciplinary professionals that can uncover and engage complexity in the build environment and beyond.

The studies in Digital Architecture and Emergent Futures focus on emerging digital design processes that empower designers and are set to change the profession in profound ways. Students learn tools such as programming and parametric modelling and engage with digital fabrication methods including 3D printing and robotics. Through a multidisciplinary approach and research-by-design methodologies, the programme teaches, explores, and develops how to use such tools to become a responsible, proactive and accomplished architect.

PROGRAMME MODULES/COURSES

Semester 1: Spatial Experiments I (15 credits), Spatial Experiments I, Theory (7.5), Creative Tools of Architecture (7.5)

Semester 2: Spatial Experiments II (15), Spatial Experiments II, Theory (7.5 credits), Programming for Architects (7.5)

Semester 3: Computational Design Studio (15), Computational Design Theory (7.5), Applied Robotics for Architects (7.5)

Semester 4: Master Degree Project (30)

Observe that the programme is completely mandatory with no electives available. Further details regarding programme structure and course content: www.lth.se/english/master-programme-structure/maef/

Study trips, lectures, surveys, workshops, studies on site, inventories, seminars etc. are integrated pedagogical tool in the programme. The trips are optional, and all students participate at their own expense. Students who cannot participate will be given alternative assignments. Study trips and destinations may vary from year to year; an example of a previous destination is Marocco. Study trips may be subject to cancellation/alteration due to unforeseeable circumstances, such as natural disasters, pandemics and/or visa denial.

CAREER PROSPECTS

After completion of the Master's programme in Digital Architecture and Emergent Futures, students will be ready to work as architects. Students gain the skills to work with architectural design, using their knowledge in computational tools to work with tasks typical of the profession. In addition, alumni will have the expertise to work as specialist in computational design at architectural practices and elsewhere. The programme's emphasis in interdisciplinarity and innovation opens possibilities for students to work in many types of organisations, in Sweden or globally. Furthermore, students will be equipped to continue to doctoral studies at research centres across the world, with a solid footing in computation, writing and research by design.

ENTRY REQUIREMENTS AND HOW TO APPLY

Entry requirements

A Bachelor's degree in architecture or equivalent. A digital portfolio of the applicant's own work in the field that clearly proves that the applicant has good potential to benefit from the programme. English Level 6.

How to apply

1. Apply online:

Go to <https://www.lunduniversity.lu.se/digital-architecture-emergent-futures>. 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 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 also need to submit a portfolio, a portfolio summary page, a statement of purpose and a CV. These programme-specific documents must be submitted directly to Lund University (not to University



Admissions in Sweden). More information can be found on the programme webpage.

3. Pay the application fee (when applicable).

Selection criteria/additional info

The selection is based on the submitted portfolio and the statement of purpose.

Tuition fees

Tuition fee SEK 235 000 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 FACULTY OF ENGINEERING

The Faculty of Engineering LTH, is as 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 close to 10 000 undergraduate students.

Over 1 000 researchers at LTH work hard to improve the quality of life for people and promote a more careful use of the Earth's resources. Our vision is: Together we explore and create – for the benefit of the world. A world record in 5G technology, solar celldriven 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.

ABOUT THE SCHOOL OF ARCHITECTURE

The School of Architecture at Lund University produces creative architects with the ability to identify and address problems within the field of architecture, infrastructure and sustainable design. As a society, we stand in the midst of a global crisis with changing environment and there is now global consensus on sustainable and people-friendly housing environments, in

which high-quality architecture plays an important role. This increases the demand for skilled architects with modern training and an understanding of the major importance of environmental issues. An outstanding aspect is the schools international contacts. Leading architects and urban designers from all over the world regularly visit as guest lecturers and students are constantly encouraged to think outside the box to come up with fresh and ecological ideas.

The School of Architecture is equipped with state-of-the-art facilities and each student have their own working area. Additional facilities include workshops, plotting and printing rooms, and digital fabrication shops with tools such as 3D printing, laser cutting, and CNC milling.

ABOUT LUND UNIVERSITY

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.

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 75 countries.

Lund University has an annual turnover of EUR 892 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.

CONTACT

Programme webpage:

<https://www.lunduniversity.lu.se/digital-architecture-emergent-futures>

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Learn more at www.lunduniversity.lu.se



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